



University of Idaho

Environmental Health and Safety
1108 West Sixth Street
P.O. Box 442030
Moscow, Idaho 83844-2030
208-885-6524
Fax 208-885-5969

RECEIVED

JUL 30 2012

DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE A Q PROGRAM

July 27, 2012

Mr. Bill Rogers
Department of Environmental Quality
State of Idaho
1410 North Hilton
Boise, ID 83706

RE: Tier I Operating Permit Renewal for University of Idaho, Moscow

Dear Mr. Rogers:

The University of Idaho (University) is pleased to submit this letter, attached forms, and supporting information, which constitute an application to renew Permit Number T1-2007.0082 for the University (Facility ID No. 057-00025). This renewal is required under IDAPA 58.01.01.313.03, which requires a renewal to be submitted no less than six months before the current operating permit expires.

The University is requesting that the Idaho Department of Environmental Quality (the Department) renew their Tier I permit with the requested minor amendments, but without changes to any substantive requirements. We request that we get a chance to review and comment on the draft renewed permit before it is finalized.

This cover letter includes descriptions of the requested minor permit revisions. Required information, as listed in the Department's Air Quality Operating Permit Application Checklist, is provided or otherwise addressed as follows in an outline consistent with the numbering and structure of the Department's Tier I Operating Permit Application Completeness Checklist to assure a complete application:

1) General facility Information

Form T1G/CS is included among the attachments

2) Applicable Equipment Specific Application Forms

- Six EU1 forms are provided among attachments, one for each permit exempt emergency generator at the University

- Four EU5 forms are included for the four facility boilers, three natural gas fired and one wood-fired
- In lieu of Form CAM, this application includes a Cam applicability determination in file CAM Evaluation and a copy of the IDEQ approved CAM Plan in file Wood Fired Boiler Multiclone CAM Plan
- Form FRA documents applicable federal regulations
- A spreadsheet documenting facility-wide potential emissions of all criteria air pollutant emissions and emissions of HAPs and TAPs required, UOI Emission Inventory, is provided in lieu of Forms EI-CP 1-4. That spreadsheet documents the derivation of all emission calculations associated with the facility-wide Potential Emissions calculations and totals
- All applicable forms are filled out in their entirety, even if IDEQ has the information on file. No other sources or processes requiring IDEQ forms are known to exist

3) Additional Required Information Not Covered by Equipment Specific Forms

The required scaled facility plot plan is included in two attachments. File campus map stacks shows the location of all IDEQ regulated point sources (the boilers and generators) on a fine scale map focusing on the core campus area. File campus map boundaries shows the facility property boundary on a wider scale map.

Operating schedule for each regulated source is documented on the appropriate EU form

4) Applicable Requirements

File "Regulatory Review" provides a thorough analysis of all potentially applicable federal regulations, and assesses their applicability to this proposed air operating permit renewal.

5) Proposed Determination of Non-Applicability

The University is not proposing that any stated regulation is not applicable.

6) Alternative Operating Scenarios

The only points we want to make here are:

- the University has more than double the anticipated capacity for steam production among its boilers, so therefore can use or idle any boiler at any time but cumulative operating rates of the four combined should never exceed half their stated steaming or heat production rate, and
- all generators onsite are exempt from permitting requirements based on IDAPA 58.01.01.220.a and .d for emergency generators.

7) Compliance Certification

The University submits certifications of compliance with all permit conditions semi-annually. The most recent compliance certification was submitted in April 2012. The University certifies that it is currently in compliance with all applicable regulations. A copy of IDEQ's AQ-C2 annual compliance certification form current at the time of this application prepared for this application is included to verify full compliance status.

8) Compliance Plans

The University will continue to comply with applicable requirements for each permitted emissions unit. Further, for any applicable requirements that will become effective during the term of the renewed Tier I operating permit, the University will meet the applicable requirements on a timely basis or on the schedule provided in the applicable requirement as appropriate. Regulations that will require future compliance requirements during the term of the permit we are applying for are expected to include federal boiler GACT regulations and RICE requirements for the emergency generators.

9) Trading Scenarios

No trading scenarios apply to this application

10) Insignificant Activities Based Upon Size or Production Rate

The list of Insignificant Emitting Units was reviewed during preparation of this permit renewal application. The current list is in the Emission Inventory spreadsheet in worksheet "Insignificant Sources". That information has been only slightly revised from the comparable list in the current Tier I Operating Permit.

11) Acid Rain Program Requirements

Not Applicable

12) Permit Shield Request

No permit shield is being requested.

13) Certification of Documents

The signature on this cover letter certifies all documents included in this submittal package. In addition, signatures are included on all IDEQ forms with signature lines.

14) DEQ Mailing Address

All documentation supporting this application is sent to this address with this cover letter and submittal. Additional, any information requested or recommended will be transmitted electronically to you or your IDEQ designee.

Requested Changes to Tier I Operating Permit

Change Opacity Observations Requirement from monthly to quarterly – Please change the opacity monitoring and recordkeeping requirements in section 2.8 from monthly to quarterly visible emissions inspection requirement. The authorizing rule citations for this permit condition – IDAPA 58.01.01.322.06, .07, and .08 – address the Department’s requirements to include in approved operating permits requirements for monitoring, recordkeeping, and reporting that are adequate for the purpose of ensuring compliance with substantive requirements. The University’s only non-insignificant point sources are the wood-waste-fired boiler, the natural gas-fired boilers, and the emergency diesel generators. The wood-waste-fired boiler employs a continuous opacity monitor to continuously measure and record the opacity of its emissions. The University maintains that, for this source, requirements associated with the operation of a continuous opacity monitor satisfy the intent of the rule and do so in a more comprehensive manner than the monthly visual inspection requirement. With respect to the natural gas-fired boilers, the permit explicitly states that no compliance demonstrations are necessary to establish compliance with the grain-loading standard and the visible emissions standard (see Permit Conditions 4.4 and 4.5). Finally, the visible emissions monitoring for the emergency generators over the past several years has shown no compliance issues and we are requesting changing the monthly monitoring requirement to quarterly.

Permit exempt emergency diesel generators - The facility PTE calculations show that the number of permit exempt emergency diesel generators is up from three in the previous permit to six. None is over 500kw. Requirements in the previous Tier I permit for emergency diesel generators should be extended to all six current permit exempt diesel emergency generators.

Facility Emissions – Please revise the facility’s air emissions inventory with updated values as provided in Appendix B to this letter.

If the Department has any questions or comments on this application, please feel free to contact either myself (208-885-7208), or Mike Lyngholm at the University (208-885-5247).

Sincerely,



Fred Hutchison
Director of Environmental Health and Safety

c: Mike Lyngholm – University of Idaho
Chris Johnson – CJ Environmental
U.S. EPA Region X, OAQ-107

Attachments:

One copy U of I form CSTI
Six copies U of I form eu1, one for each emergency generator
Four copies U of I form eu5, one for each boiler
CAM Evaluation and IDEQ approved Wood Fired Boiler Multiclone CAM Plan
Form FRA and file Regulatory Review
UOI Emission Inventory
Scaled Plot Plan via files campus map stacks and campus map boundaries
Current AQ-C2 compliance certification

JUL 30 2012

DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE A Q PROGRAM



DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

Cover Sheet for Air Permit Application – Tier I **Form CSTI**

Revision 5
08/28/08

Please see instructions on page 2 before filling out the form.

COMPANY NAME, FACILITY NAME, AND FACILITY ID NUMBER

1. Company Name	University of Idaho		
2. Facility Name	University of Idaho	3. Facility ID No.	057-00025
4. Brief Project Description - One sentence or less	Tier I air poemit renewal for institute of higher education		

PERMIT APPLICATION TYPE

5. Initial Tier I Tier I Administrative Amendment Tier I Minor Modification Tier I Significant Modification
 Tier I Renewal: Permit No.: T1-2008.0167 Date Issued: 2/1/2008

FORMS INCLUDED

Include d	N/A	Forms	DEQ Verify
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form CSTI – Cover Sheet	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form GI – Facility Information	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form EU0 – Emissions Units General	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form EU1– Industrial Engine Information Please specify number of EU1s attached: <u>6</u>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form EU2– Nonmetallic Mineral Processing Plants Please specify number of EU2s attached: _____	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form EU3– Spray Paint Booth Information Please specify number of EU3s attached: _____	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form EU4– Cooling Tower Information Please specify number of EU4s attached: _____	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form EU5 – Boiler Information Please specify number of EU5s attached: <u>4</u>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form CBP– Concrete Batch Plant Please Specify number of CBPs attached: _____	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form HMAP – Hot Mix Asphalt Plant Please specify number of HMAPs attached: _____	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	PERF – Portable Equipment Relocation Form	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form BCE– Baghouses Control Equipment	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form SCE– Scrubbers Control Equipment	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form VSCE – Venturi Scrubber Control Equipment	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form ESP – Electrostatic Precipitator	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form AO – Afterburner/Oxidizer	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form CYS – Cyclone Separator	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form CA – Carbon Adsorber	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Forms EI-CP1 - EI-CP4– Emissions Inventory– criteria pollutants (Excel workbook, all 4 worksheets)	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form CAM – Compliance Assurance Monitoring	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form FRA – Federal Regulation Applicability	<input type="checkbox"/>

Instructions for Form CSTI

This form is the cover sheet for an air quality permit application. It provides DEQ with basic information regarding the company and the proposed permitting action. This form helps DEQ efficiently determine whether the application is administratively complete. This form also provides the applicant with a list of forms available to aid the applicant to successfully submit a complete application.

Company Name, Facility Name, and Facility ID Number

- 1-3. Provide the name of your company, the name of the facility (if different than company name), and the facility identification (ID) number (Facility ID No.) in the boxes provided. The facility ID number is also known as the AIRS number or AIRS/AFS number (example: 095-00077). If you already have a permit, the facility ID number is located in the upper right hand corner of the cover page. The facility ID number must be provided unless your facility has not received one, in which case you may leave this box empty. **Use these same names and ID number on all forms.** This is useful in case any pages of the application are separated.
4. Provide a brief description of this permitting project in one sentence or less. Examples might be "Tier I Administrative Amendment to allow for the change of ownership of this facility" or "Tier I Significant Modification to change the existing monitoring, recordkeeping, and reporting requirements Boiler #1." **This description will be used by DEQ as a unique identifier for this permitting project, in conjunction with the name(s) and ID number referenced in 1-3.** You will need to put this description, using the exact same words, on all other forms that are part of this project application. This is useful in case any pages of the application are separated.

If this Tier I is being issued as a result of a PTC issued pursuant to IDAPA 58.01.01.209.05.c, the source or modification may operate upon submittal for an administrative amendment issued pursuant to IDAPA 58.01.01.381.

Permit Application Type

5. Provide the reason you are submitting the permit application by checking the appropriate box and filling in the number and/or date if needed.

Forms Included

Check the "Included" box for each form included in this permit to construct application. If there are multiples of a form for multiple units of that type, check the box and fill in the number of forms in the blank provided.

The "N/A" box should only be checked if the form is absolutely unnecessary to complete the application. Additional information may be requested.

When complete, enclose the hardcopy application certified by a responsible official (as defined in IDAPA 58.01.01.006.94), and send to:

Air Quality Program Office – Application Processing
Department of Environmental Quality
1410 N. Hilton
Boise, ID 83706-1255



Please see instructions on page 2 before filling out the form.

All information is required. If information is missing, the application will not be processed.

IDENTIFICATION

1. Company Name		2. Facility Name:	
University of Idaho		University of Idaho	
3. Brief Project Description:	Tier I Operating Permit Renewal		

FACILITY INFORMATION

4. Primary Facility Permit Contact Person/Title	Fred Hutchison	Director Env Health and Safety
5. Telephone Number and Email Address	fhutch@uidaho.edu	(208)885-6524
6. Alternate Facility Contact Person/Title	Michael Lyngholm	Steam Plant manager
7. Telephone Number and Email Address	Lyngholm@uidaho.edu	(208) 885-5247
8. Address to Which the Permit Should be Sent	1108 W. Sixth St.	
9. City/County/State/Zip Code	Moscow	Latah Idaho 83844-2030
10. Equipment Location Address (if different than the mailing address above)		
11. City/County/State/Zip Code		
12. Is the Equipment Portable?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
13. SIC Code(s) and NAICS Code	Primary SIC: 8221	Secondary SIC: N/A NAICS:
14. Brief Business Description and Principal Product	Institution of Higher Undergraduate and Postgraduate Education and Research	
15. Identify any adjacent or contiguous facility that this company owns and/or operates		
16. Specify the reason for the application	<input type="checkbox"/> Permit to Construct (PTC) <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>For Tier I permitted facilities only: If you are applying for a PTC then you must also specify how the PTC will be incorporated into the Tier I permit.</p> <input type="checkbox"/> Incorporate the PTC at the time of the Tier I renewal <input type="checkbox"/> Co-process the Tier I modification and PTC <input type="checkbox"/> Administratively amend the Tier I permit to incorporate the PTC upon your request (IDAPA 58.01.01.209.05.a, b, or c) </div> <input checked="" type="checkbox"/> Tier I Permit <input type="checkbox"/> Tier II Permit <input type="checkbox"/> Tier II/Permit to Construct	

CERTIFICATION

In accordance with IDAPA 58.01.01.123 (Rules for the Control of Air Pollution in Idaho), I certify based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete.

17. Responsible Official's Name/Title	Fred Hutchison	Director Env Health and Safety
18. Responsible Official Address	1108 W. Sixth St. Moscow, ID 83844-2030	
19. Responsible Official Telephone Number	(208) 885-6524	
20. Responsible Official Email Address	fhutch@uidaho.edu	
21. Responsible Official's Signature	<i>Fred Hutchison</i>	Date: July 26, 2012
22. <input checked="" type="checkbox"/> Check here to indicate that you would like to review the draft permit prior to final issuance.		



DEQ AIR QUALITY PROGRAM
 1410 N. Hilton, Boise, ID 83706
 For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

AIR PERMIT APPLICATION

Revision 6
 10/7/09

For each box in the table below, CTRL+click on the blue underlined text for instructions and information.

IDENTIFICATION

1. Company Name: University of Idaho	2. Facility Name: University of Idaho
3. Brief Project Description: Tier I Air Operating Permti renewal for University of ida ho 07/12 Regulatory analysis in Appendix D - Regulatory Analysis	

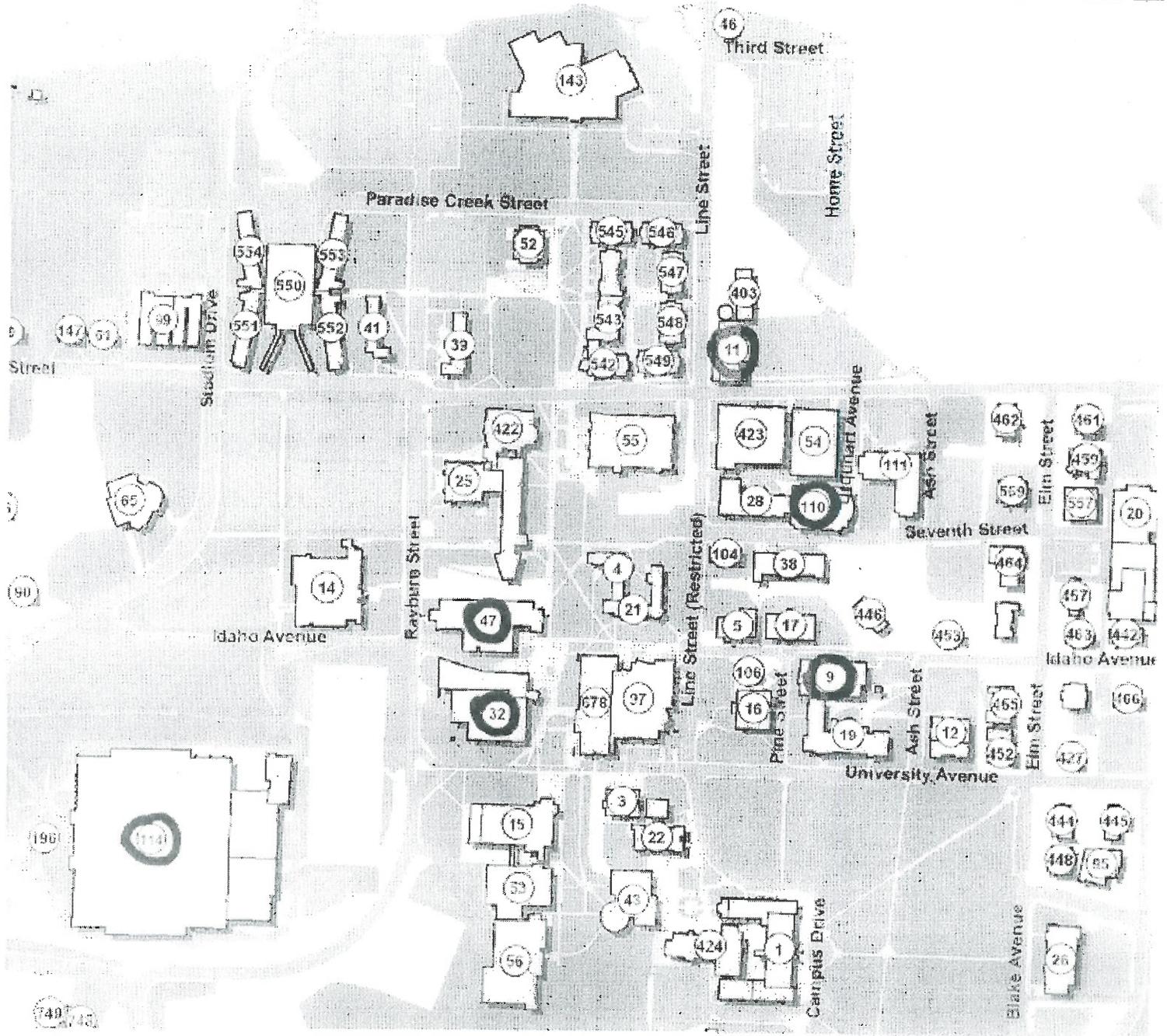
APPLICABILITY DETERMINATION

4. List applicable subparts of the New Source Performance Standards (NSPS) (<u>40 CFR part 60</u>). Examples of NSPS affected emissions units include internal combustion engines, boilers, turbines, etc. The applicant must thoroughly review the list of affected emissions units.	List of applicable subpart(s): IIII, Compr. Ign. RICE <input type="checkbox"/> Not Applicable
5. List applicable subpart(s) of the National Emission Standards for Hazardous Air Pollutants (NESHAP) found in <u>40 CFR part 61</u> and <u>40 CFR part 63</u> . Examples of affected emission units include solvent cleaning operations, industrial cooling towers, paint stripping and miscellaneous surface coating. <u>EPA has a web page dedicated to NESHAP</u> that should be useful to applicants.	List of applicable subpart(s): CCCCCC, GACT gasoline dispensing JJJJJJ, Boiler GACT, wood-fired boiler <input type="checkbox"/> Not Applicable
6. For each subpart identified above, conduct a complete a regulatory analysis using the instructions and referencing the example provided on the following pages. Note - Regulatory reviews must be submitted with sufficient detail so that DEQ can verify applicability and document in legal terms why the regulation applies. Regulatory reviews that are submitted with insufficient detail will be determined incomplete.	<input checked="" type="checkbox"/> A detailed regulatory review is provided (Follow instructions and example). <input checked="" type="checkbox"/> DEQ has already been provided a detailed regulatory review. Give a reference to the document including the date.

IF YOU ARE UNSURE HOW TO ANSWER ANY OF THESE QUESTIONS, CALL THE AIR PERMIT HOTLINE AT 1-877-5PERMIT

It is emphasized that it is the applicant's responsibility to satisfy all technical and regulatory requirements, and that DEQ will help the applicant understand what those requirements are prior to the application being submitted but that DEQ will not perform the required technical or regulatory analysis on the applicant's behalf.

Campus Directory Map



Building 11 Steam Plant: four stacks for three gas boilers and one wood fired boiler

Building 9 Gibb Hall: emergency backup generator S-G01

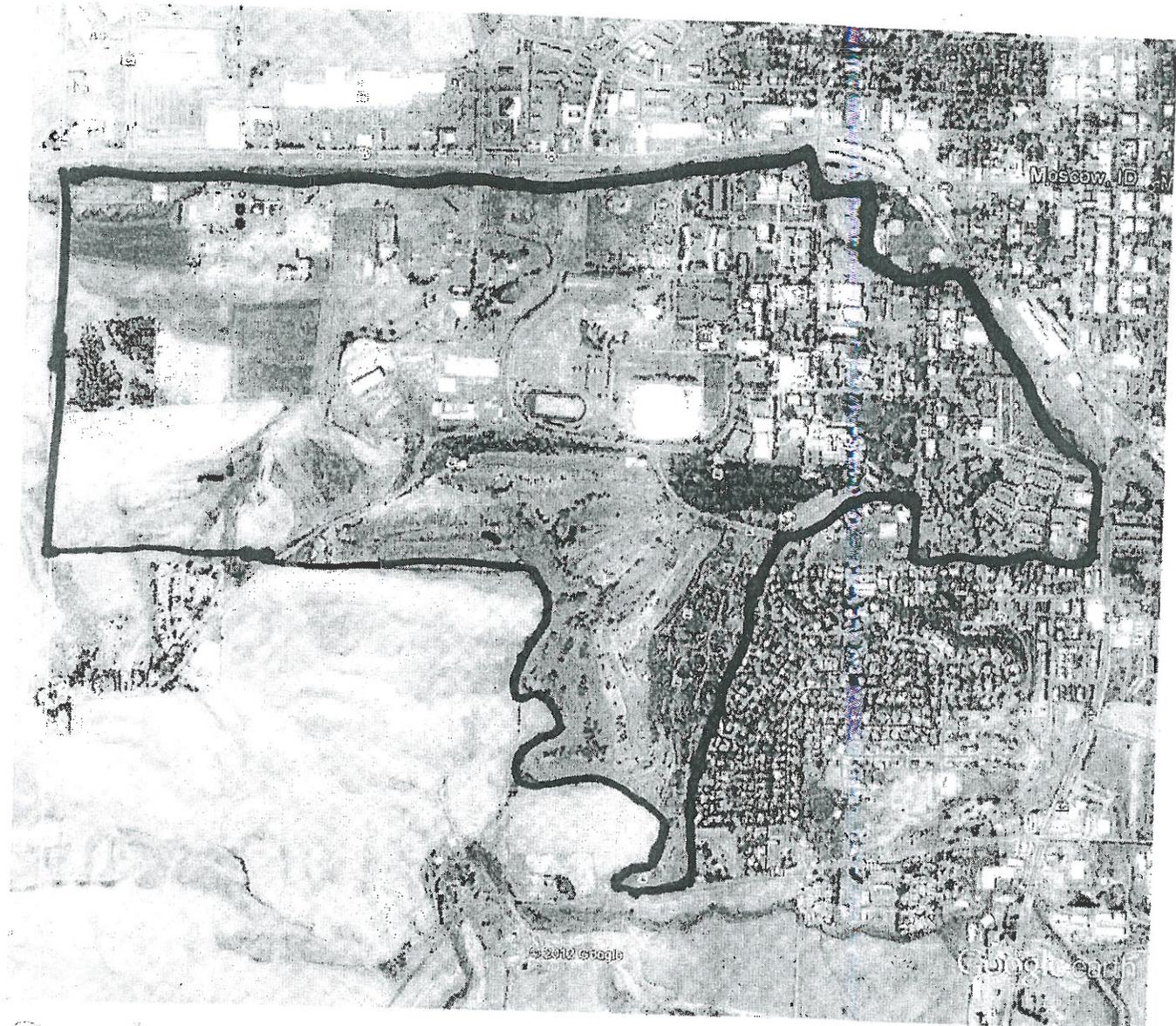
Building 11 Steam Plant: emergency backup generator S-G02

Building 110 McClure Hall: emergency backup generator S-G03

Building 32 Library; emergency backup generator S-G04

Building 47 Renfrew Hall: emergency backup generator S-G05

Building 114 Kibbie Dome: Emergency backup generator S-G06



Go gle earth





Please see instructions on page 2 before filling out the form.

IDENTIFICATION

1. Company Name: University of Idaho	2. Facility Name: University of Idaho	
3. Brief Project Description: Gibbs Hall 350kw emergency generator, approx 469 bhp		

ENGINE (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS

4. Type of Unit: <input type="checkbox"/> New Unit <input type="checkbox"/> Unpermitted Existing Unit <input type="checkbox"/> Modification to a Unit with Permit #: _____ Date Issued: _____			
5. Engine Displacement: _____ (liters per cylinder)		6. Ignition Type: <input checked="" type="checkbox"/> Compression <input type="checkbox"/> Spark	
7. Use <input checked="" type="checkbox"/> Emergency <input type="checkbox"/> Non-Emergency			
8. Engine ID Number: SG-01		9. Maximum Rated Engine Power: _____ Brake Horsepower (bhp)	
10. Construction Date: prior to 2009	11. Manufacturer: Kohler	12. Model: 18 NA 3160	13. Model Year:
14. Date of Modification (if applicable):	15. Serial Number (if available):	16. Control Device (if any):	

FUEL DESCRIPTION AND SPECIFICATIONS

17. Fuel Type	<input checked="" type="checkbox"/> Diesel Fuel (#) (gal/hr)	<input type="checkbox"/> Gasoline Fuel (gal/hr)	<input type="checkbox"/> Natural Gas (cf/hr)	<input type="checkbox"/> Other Fuels (unit:)
18. Full Load Consumption Rate	27.1			
19. Actual Consumption Rate	13.6			
20. Sulfur Content wt%	0.15	N/A	N/A	

OPERATING LIMITS & SCHEDULE

21. Imposed Operating Limits (hours/year, or gallons fuel/year, etc.): less than 500 hrs/yr non emergency use per IDAPA 58.01.01.222.01d exemption
22. Operating Schedule (hours/day, months/year, etc.): Intermittent testing, for emergency use



Please see instructions on page 2 before filling out the form.

IDENTIFICATION

1. Company Name: University of Idaho	2. Facility Name: University of Idaho	
3. Brief Project Description: Power Plant 180kw emergency generator, approx 241 bhp		

ENGINE (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS

4. Type of Unit: <input type="checkbox"/> New Unit <input type="checkbox"/> Unpermitted Existing Unit <input type="checkbox"/> Modification to a Unit with Permit #: _____ Date Issued: _____			
5. Engine Displacement: _____ (liters per cylinder)		6. Ignition Type: <input checked="" type="checkbox"/> Compression <input type="checkbox"/> Spark	
7. Use <input checked="" type="checkbox"/> Emergency <input type="checkbox"/> Non-Emergency			
8. Engine ID Number: SG-02		9. Maximum Rated Engine Power: _____ Brake Horsepower (bhp)	
10. Construction Date: prior to 2009		11. Manufacturer: Kohler	12. Model: 180ROZJ181
		13. Model Year: prior to 2009	
14. Date of Modification (if applicable):		15. Serial Number (if available):	16. Control Device (if any):

FUEL DESCRIPTION AND SPECIFICATIONS

17. Fuel Type	<input checked="" type="checkbox"/> Diesel Fuel (#) (gal/hr)	<input type="checkbox"/> Gasoline Fuel (gal/hr)	<input type="checkbox"/> Natural Gas (cf/hr)	<input type="checkbox"/> Other Fuels (unit:)
18. Full Load Consumption Rate	13.9			
19. Actual Consumption Rate	7.0			
20. Sulfur Content wt%	0.15	N/A	N/A	

OPERATING LIMITS & SCHEDULE

21. Imposed Operating Limits (hours/year, or gallons fuel/year, etc.): less than 500 hrs/yr non emergency use per IDAPA 58.01.01.222.01d exemption
22. Operating Schedule (hours/day, months/year, etc.): Intermittent testing, for emergency use



Please see instructions on page 2 before filling out the form.

IDENTIFICATION

1. Company Name: University of Idaho	2. Facility Name: University of Idaho	
3. Brief Project Description: Caterpillar 500 eKW emergency generator at McClure Hall, approx 670 bhp		

ENGINE (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS

4. Type of Unit: <input type="checkbox"/> New Unit <input checked="" type="checkbox"/> Unpermitted Existing Unit <input type="checkbox"/> Modification to a Unit with Permit #: _____ Date Issued: _____				
5. Engine Displacement: _____ (liters per cylinder)		6. Ignition Type: <input checked="" type="checkbox"/> Compression <input type="checkbox"/> Spark		
7. Use <input checked="" type="checkbox"/> Emergency <input type="checkbox"/> Non-Emergency				
8. Engine ID Number: SG-03		9. Maximum Rated Engine Power: _____ Brake Horsepower (bhp)		
10. Construction Date: prior to 2008		11. Manufacturer: Caterpillar	12. Model: 3412	
13. Model Year:		14. Date of Modification (if applicable):		15. Serial Number (if available):
				16. Control Device (if any):

FUEL DESCRIPTION AND SPECIFICATIONS

17. Fuel Type	<input checked="" type="checkbox"/> Diesel Fuel (#) (gal/hr)	<input type="checkbox"/> Gasoline Fuel (gal/hr)	<input type="checkbox"/> Natural Gas (cf/hr)	<input type="checkbox"/> Other Fuels (unit:)
18. Full Load Consumption Rate	38.8			
19. Actual Consumption Rate	19.4			
20. Sulfur Content wt%	0.15	N/A	N/A	

OPERATING LIMITS & SCHEDULE

21. Imposed Operating Limits (hours/year, or gallons fuel/year, etc.): less than 500 hrs/yr non emergency use per IDAPA 58.01.01.222.01d exemption
22. Operating Schedule (hours/day, months/year, etc.): Intermittent testing, for emergency use



Please see instructions on page 2 before filling out the form.

IDENTIFICATION

1. Company Name: University of Idaho	2. Facility Name: University of Idaho	
3. Brief Project Description: Caterpillar 250 kW emergency generator at Library, approx. 335 bhp		

ENGINE (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS

4. Type of Unit: <input type="checkbox"/> New Unit <input checked="" type="checkbox"/> Unpermitted Existing Unit <input type="checkbox"/> Modification to a Unit with Permit #: _____ Date Issued: _____			
5. Engine Displacement: _____ (liters per cylinder)		6. Ignition Type: <input checked="" type="checkbox"/> Compression <input type="checkbox"/> Spark	
7. Use <input checked="" type="checkbox"/> Emergency <input type="checkbox"/> Non-Emergency			
8. Engine ID Number: SG-04		9. Maximum Rated Engine Power: _____ Brake Horsepower (bhp)	
10. Construction Date: 2010	11. Manufacturer: Kohler	12. Model: 250REOZJE	13. Model Year: EPA Tier 3
14. Date of Modification (if applicable): post 2008	15. Serial Number (if available):	16. Control Device (if any):	

FUEL DESCRIPTION AND SPECIFICATIONS

17. Fuel Type	<input checked="" type="checkbox"/> Diesel Fuel (#) (gal/hr)	<input type="checkbox"/> Gasoline Fuel (gal/hr)	<input type="checkbox"/> Natural Gas (cf/hr)	<input type="checkbox"/> Other Fuels (unit:)
18. Full Load Consumption Rate	19.4			
19. Actual Consumption Rate	9.7			
20. Sulfur Content wt%	0.15	N/A	N/A	

OPERATING LIMITS & SCHEDULE

21. Imposed Operating Limits (hours/year, or gallons fuel/year, etc.): less than 500 hrs/yr non emergency use per IDAPA 58.01.01.222.01d exemption
22. Operating Schedule (hours/day, months/year, etc.): Intermittent testing, for emergency use



Please see instructions on page 2 before filling out the form.

IDENTIFICATION

1. Company Name: University of Idaho	2. Facility Name: University of Idaho	
3. Brief Project Description: Caterpillar 450 eKW emergency generator at Renfrew Hall, 603 bhp		

ENGINE (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS

4. Type of Unit: <input type="checkbox"/> New Unit <input checked="" type="checkbox"/> Unpermitted Existing Unit <input type="checkbox"/> Modification to a Unit with Permit #: _____ Date Issued: _____			
5. Engine Displacement: _____ (liters per cylinder)		6. Ignition Type: <input checked="" type="checkbox"/> Compression <input type="checkbox"/> Spark	
7. Use <input checked="" type="checkbox"/> Emergency <input type="checkbox"/> Non-Emergency			
8. Engine ID Number: SG-05		9. Maximum Rated Engine Power: _____ Brake Horsepower (bhp)	
10. Construction Date: 2011	11. Manufacturer: Caterpillar	12. Model: G6B18604	13. Model Year: Tier 3
14. Date of Modification (if applicable):	15. Serial Number (if available):	16. Control Device (if any):	

FUEL DESCRIPTION AND SPECIFICATIONS

17. Fuel Type	<input checked="" type="checkbox"/> Diesel Fuel (#) (gal/hr)	<input type="checkbox"/> Gasoline Fuel (gal/hr)	<input type="checkbox"/> Natural Gas (cf/hr)	<input type="checkbox"/> Other Fuels (unit:)
18. Full Load Consumption Rate	34.9			
19. Actual Consumption Rate	17.5			
20. Sulfur Content wt%	0.15	N/A	N/A	

OPERATING LIMITS & SCHEDULE

21. Imposed Operating Limits (hours/year, or gallons fuel/year, etc.): less than 500 hrs/yr non emergency use per IDAPA 58.01.01.222.01d exemption
22. Operating Schedule (hours/day, months/year, etc.): Intermittent testing, for emergency use



Please see instructions on page 2 before filling out the form.

IDENTIFICATION

1. Company Name: University of Idaho	2. Facility Name: University of Idaho	
3. Brief Project Description: Caterpillar 300 kW emergency generator at Kibbie Dome, 490 bhp		

ENGINE (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS

4. Type of Unit: <input type="checkbox"/> New Unit <input checked="" type="checkbox"/> Unpermitted Existing Unit <input type="checkbox"/> Modification to a Unit with Permit #: _____ Date Issued: _____			
5. Engine Displacement: _____ (liters per cylinder)		6. Ignition Type: <input checked="" type="checkbox"/> Compression <input type="checkbox"/> Spark	
7. Use <input checked="" type="checkbox"/> Emergency <input type="checkbox"/> Non-Emergency			
8. Engine ID Number: SG-06		9. Maximum Rated Engine Power: _____ Brake Horsepower (bhp)	
10. Construction Date: 2011	11. Manufacturer: Kohler	12. Model: 300REOZDD	13. Model Year: Tier 3
14. Date of Modification (if applicable):	15. Serial Number (if available):	16. Control Device (if any):	

FUEL DESCRIPTION AND SPECIFICATIONS

17. Fuel Type	<input checked="" type="checkbox"/> Diesel Fuel (#) (gal/hr)	<input type="checkbox"/> Gasoline Fuel (gal/hr)	<input type="checkbox"/> Natural Gas (cf/hr)	<input type="checkbox"/> Other Fuels (unit:)
18. Full Load Consumption Rate	25.4			
19. Actual Consumption Rate	12.7			
20. Sulfur Content wt%	0.15	N/A	N/A	

OPERATING LIMITS & SCHEDULE

21. Imposed Operating Limits (hours/year, or gallons fuel/year, etc.): less than 500 hrs/yr non emergency use per IDAPA 58.01.01.222.01d exemption
22. Operating Schedule (hours/day, months/year, etc.): Intermittent testing, for emergency use



Please see instructions on page 2 before filling out the form.

IDENTIFICATION

1. Company Name: University of Idaho	2. Facility Name: University of Idaho	3 Facility ID No: 057-00025
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4. Brief Project Description:

EXEMPTION

Please see IDAPA 58.01.01.222 for a list of industrial boilers that are exempt from Permit to Construct requirements.

BOILER (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS

5. Type of Request: New Unit Unpermitted Existing Unit Modification to a Unit with Permit #:

6. Use of Boiler: % Used For Process % Used For Space Heat % Used For Generating Electricity
 Other: 10/90

7. Boiler ID Number: S-BA

8. Rated Capacity: 88.4 Million British Thermal Units Per Hour (MMBtu/hr) 66.8 1,000 Pounds Steam Per Hour (1,000 lb steam/hr)

9. Construction Date: 1986

10. Manufacturer: Solid Fuels Inc

11. Model: WTSZ-110SP2

12. Date of Modification (if applicable):

13. Serial Number (if available):

14. Control Device (if any): multiclone
Note: Attach applicable control equipment form(s)

FUEL DESCRIPTION AND SPECIFICATIONS

15. Fuel Type	<input type="checkbox"/> Diesel Fuel (#) (gal/hr)	<input type="checkbox"/> Natural Gas (cf/hr)	<input type="checkbox"/> Coal (unit: /hr)	<input checked="" type="checkbox"/> Other Fuels (unit: /hr)
16. Full Load Consumption Rate				5 BDT/hr
17. Actual Consumption Rate				2.5 BDT/hr
18. Fuel Heat Content (Btu/unit, LHV)				4635 BTU/lb wet
19. Sulfur Content wt%				unknown
20. Ash Content wt%		N/A		2%

STEAM DESCRIPTION AND SPECIFICATIONS

21. Steam Heat Content	NA	NA		1200 BTu/lb
22. Steam Temperature (°F)	N/A	N/A		360
23. Steam Pressure (psi)	N/A	N/A		135
24 Steam Type	N/A	N/A	<input type="checkbox"/> Saturated <input type="checkbox"/> Superheated	<input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Superheated

OPERATING LIMITS & SCHEDULE

25. Imposed Operating Limits (hours/year, or gallons fuel/year, etc.): 66900 lbs steam/hr

26. Operating Schedule (hours/day, months/year, etc.): 8760 hrs/yr permitted, use heaviest during cold weather seasons

27. NSPS Applicability: Yes No If Yes, which subpart: Boiler GACT



DEQ AIR QUALITY PROGRAM
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 For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

Emissions Units - Industrial Boiler Information **Form EU5**

Revision 5
 08/28/08

Please see instructions on page 2 before filling out the form.

IDENTIFICATION

1. Company Name: University of Idaho	2. Facility Name: University of Idaho	3 Facility ID No: 057-00025
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4. Brief Project Description:

EXEMPTION

Please see IDAPA 58.01.01.222 for a list of industrial boilers that are exempt from Permit to Construct requirements.

BOILER (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS

5. Type of Request: <input type="checkbox"/> New Unit <input type="checkbox"/> Unpermitted Existing Unit <input type="checkbox"/> Modification to a Unit with Permit #:		
6. Use of Boiler: <input type="checkbox"/> % Used For Process <input checked="" type="checkbox"/> % Used For Space Heat <input type="checkbox"/> % Used For Generating Electricity <input type="checkbox"/> Other: 100		
7. Boiler ID Number: S-BB	8. Rated Capacity: <input type="checkbox"/> 74.37 Million British Thermal Units Per Hour (MMBtu/hr) <input checked="" type="checkbox"/> 1,000 Pounds Steam Per Hour (1,000 lb steam/hr)	
9. Construction Date: 1975	10. Manufacturer: Cleaver Brooks	11. Model: DLD-76
12. Date of Modification (if applicable):	13. Serial Number (if available): WL-2424	14. Control Device (if any): Note: Attach applicable control equipment form(s)

FUEL DESCRIPTION AND SPECIFICATIONS

15. Fuel Type	<input type="checkbox"/> Diesel Fuel (#) (gal/hr)	<input checked="" type="checkbox"/> Natural Gas (cf/hr)	<input type="checkbox"/> Coal (unit: /hr)	<input type="checkbox"/> Other Fuels (unit: /hr)
16. Full Load Consumption Rate		75000 cf/hr		
17. Actual Consumption Rate		37500 cf/hr		
18. Fuel Heat Content (Btu/unit, LHV)				
19. Sulfur Content wt%				
20. Ash Content wt%		N/A		1

STEAM DESCRIPTION AND SPECIFICATIONS

21. Steam Heat Content	NA	NA		
22. Steam Temperature (°F)	N/A	N/A		
23. Steam Pressure (psi)	N/A	N/A		
24 Steam Type	N/A	N/A	<input type="checkbox"/> Saturated <input type="checkbox"/> Superheated	<input type="checkbox"/> Saturated <input type="checkbox"/> Superheated

OPERATING LIMITS & SCHEDULE

25. Imposed Operating Limits (hours/year, or gallons fuel/year, etc.):	1000 MMscf/yr all 3 NG fired boilers combined
26. Operating Schedule (hours/day, months/year, etc.):	8760 hrs/yr permitted, use heaviest during cold weather seasons
27. NSPS Applicability: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, which subpart: Boiler GACT



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Emissions Units - Industrial Boiler Information **Form EU5**

Revision 5
 08/28/08

Please see instructions on page 2 before filling out the form.

IDENTIFICATION

1. Company Name: University of Idaho	2. Facility Name: University of Idaho	3 Facility ID No: 057-00025
---	--	--------------------------------

4. Brief Project Description:

EXEMPTION

Please see IDAPA 58.01.01.222 for a list of industrial boilers that are exempt from Permit to Construct requirements.

BOILER (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS

5. Type of Request: <input type="checkbox"/> New Unit <input type="checkbox"/> Unpermitted Existing Unit <input type="checkbox"/> Modification to a Unit with Permit #:		
6. Use of Boiler: <input type="checkbox"/> % Used For Process <input checked="" type="checkbox"/> % Used For Space Heat <input type="checkbox"/> % Used For Generating Electricity <input type="checkbox"/> Other: 100		
7. Boiler ID Number: S-BC	8. Rated Capacity: <input type="checkbox"/> 76.6 Million British Thermal Units Per Hour (MMBtu/hr) <input checked="" type="checkbox"/> 55 1,000 Pounds Steam Per Hour (1,000 lb steam/hr)	
9. Construction Date: 1963	10. Manufacturer: Babcock and Wilcox	11. Model: FM978
12. Date of Modification (if applicable):	13. Serial Number (if available):	14. Control Device (if any): Note: Attach applicable control equipment form(s)

FUEL DESCRIPTION AND SPECIFICATIONS

15. Fuel Type	<input type="checkbox"/> Diesel Fuel (#) (gal/hr)	<input checked="" type="checkbox"/> Natural Gas (cf/hr)	<input type="checkbox"/> Coal (unit: /hr)	<input type="checkbox"/> Other Fuels (unit: /hr)
16. Full Load Consumption Rate		68000 cf/hr		
17. Actual Consumption Rate		30000 cf/hr		
18. Fuel Heat Content (Btu/unit, LHV)				
19. Sulfur Content wt%				
20. Ash Content wt%		N/A		1

STEAM DESCRIPTION AND SPECIFICATIONS

21. Steam Heat Content	NA	NA		
22. Steam Temperature (°F)	N/A	N/A		
23. Steam Pressure (psi)	N/A	N/A		
24 Steam Type	N/A	N/A	<input type="checkbox"/> Saturated <input type="checkbox"/> Superheated	<input type="checkbox"/> Saturated <input type="checkbox"/> Superheated

OPERATING LIMITS & SCHEDULE

25. Imposed Operating Limits (hours/year, or gallons fuel/year, etc.):	1000 MMscf/yr all 3 NG fired boilers combined
26. Operating Schedule (hours/day, months/year, etc.):	8760 hrs/yr permitted, use heaviest during cold weather seasons
27. NSPS Applicability: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, which subpart: Boiler GACT



DEQ AIR QUALITY PROGRAM
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 For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

Emissions Units - Industrial Boiler Information **Form EU5**

Revision 5
 08/28/08

Please see instructions on page 2 before filling out the form.

IDENTIFICATION

1. Company Name: University of Idaho	2. Facility Name: University of Idaho	3 Facility ID No: 057-00025
---	--	--------------------------------

4. Brief Project Description:

EXEMPTION

Please see IDAPA 58.01.01.222 for a list of industrial boilers that are exempt from Permit to Construct requirements.

BOILER (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS

5. Type of Request: <input type="checkbox"/> New Unit <input type="checkbox"/> Unpermitted Existing Unit <input type="checkbox"/> Modification to a Unit with Permit #:		
6. Use of Boiler: <input type="checkbox"/> % Used For Process <input checked="" type="checkbox"/> % Used For Space Heat <input type="checkbox"/> % Used For Generating Electricity <input type="checkbox"/> Other: 100		
7. Boiler ID Number: S-BD	8. Rated Capacity: <input type="checkbox"/> 40.95 Million British Thermal Units Per Hour (MMBtu/hr) <input type="checkbox"/> 1,000 Pounds Steam Per Hour (1,000 lb steam/hr)	
9. Construction Date: 1940	10. Manufacturer: Combustion Engineering	11. Model: NB242
12. Date of Modification (if applicable): 1958, from coal to NG	13. Serial Number (if available): 640-B9G	14. Control Device (if any): Note: Attach applicable control equipment form(s)

FUEL DESCRIPTION AND SPECIFICATIONS

15. Fuel Type	<input type="checkbox"/> Diesel Fuel (#) (gal/hr)	<input checked="" type="checkbox"/> Natural Gas (cf/hr)	<input type="checkbox"/> Coal (unit: /hr)	<input type="checkbox"/> Other Fuels (unit: /hr)
16. Full Load Consumption Rate		37000 cf/hr		
17. Actual Consumption Rate		15000 cf/hr		
18. Fuel Heat Content (Btu/unit, LHV)				
19. Sulfur Content wt%				
20. Ash Content wt%		N/A		1

STEAM DESCRIPTION AND SPECIFICATIONS

21. Steam Heat Content	NA	NA		
22. Steam Temperature (°F)	N/A	N/A		
23. Steam Pressure (psi)	N/A	N/A		
24 Steam Type	N/A	N/A	<input type="checkbox"/> Saturated <input type="checkbox"/> Superheated	<input type="checkbox"/> Saturated <input type="checkbox"/> Superheated

OPERATING LIMITS & SCHEDULE

25. Imposed Operating Limits (hours/year, or gallons fuel/year, etc.):	1000 MMscf/yr all 3 NG fired boilers combined
26. Operating Schedule (hours/day, months/year, etc.):	8760 hrs/yr permitted, use heaviest during cold weather seasons
27. NSPS Applicability: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, which subpart: Boiler GACT

Appendix B Emissions Summary

University of Idaho
Emission Inventory
Emission Summary

Facility-Wide Annual PTE																
Emitting Unit	PM		PM ₁₀		PM _{2.5}		SO ₂		CO		NO _x		VOC		HAPs	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
Solid Fuels wood-waste fired boiler (S-BA)	8.07	35.37	7.35	32.18	4.36	19.10	2.21	9.68	5.75	25.19	15.17	66.45	1.50	6.58	3.38	14.78
Cleaver-Brooks natural gas-fired boiler (S-BB)	0.56	2.44	0.56	2.44	0.56	2.44	0.04	0.20	6.13	26.84	7.29	31.92	0.40	1.76	0.14	0.60
Babcock & Wilcox natural gas-fired boiler (S-BC)	0.59	2.58	0.59	2.58	0.59	2.58	0.05	0.21	6.48	28.37	7.70	33.74	0.42	1.86	0.15	0.64
Combustion Engineering natural gas-fired boiler (S-BD)	0.32	1.40	0.31	1.35	0.31	1.35	0.02	0.11	3.37	14.78	4.01	17.58	0.22	0.97	0.08	0.33
Diesel Fired Electrical generator engine (SG-01)	1.24	0.31	1.15	0.29	1.11	0.28	1.07	0.27	3.52	0.88	16.32	4.08	1.33	0.33	0.01	0.01
Diesel Fired Electrical generator engine (SG-02)	0.67	0.17	0.62	0.16	0.60	0.15	0.58	0.15	1.90	0.48	8.82	2.21	0.72	0.18	0.01	0.00
Diesel Fired Electrical generator engine (SG-03)	1.58	0.39	1.46	0.36	1.41	0.35	1.36	0.34	4.47	1.12	20.73	5.18	1.69	0.42	0.02	0.01
Diesel-Fired Electrical generator engine Kibbie Dome 300kW (SG-06)	1.19	0.30	1.10	0.28	1.07	0.27	1.03	0.26	3.38	0.85	15.70	3.92	1.28	0.32	0.01	0.01
Diesel-Fired Electrical generator engine Library 250kW (SG-05)	0.83	0.21	0.76	0.19	0.74	0.18	0.71	0.18	2.34	0.58	10.85	2.71	0.89	0.22	0.01	0.00
Diesel-Fired Electrical generator engine Renfrew hall 450kw (SG-04)	1.64	0.41	1.52	0.38	1.47	0.37	1.42	0.35	4.65	1.16	21.56	5.39	1.76	0.44	0.02	0.01
0															0.00	0.00
Insignificant Sources	0.48	2.09	0.47	2.06	0.47	2.06	0.14	0.60	4.02	17.63	7.38	32.34	1.16	5.06		0.27
Paved/Unpaved Road Fugitive Sources			7.31	32.01			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Paved/Unpaved Parking Lot Fugitive Sources			1.97	8.63			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Miscellaneous Fugitive Sources	1.69	7.39	0.86	3.78	0.42	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Total Emissions:	17.17	45.67	23.19	74.28	12.69	29.13	8.64	12.33	46.00	117.87	135.53	205.52	11.38	18.15	3.82	16.66

Appendix B Significant Sources

University of Idaho
Emission Inventory
Significant Sources

Significant Sources Annual PTE (See Next Page for Emission Factors and Calculations for Boilers, Furnaces, and Engines)

Significant Sources	Rated Capacity (MMBtu/hr)	Model	Capacity Limit (lb steam/hr) ²	PM		PM ₁₀			PM2.5		SO ₂		CO		NO _x				
				EF (lb/1k lb steam) or (lb/MMBtu)	lb/hr	ton/yr	EF (lb/1k lb steam) or (lb/MMBtu)	lb/hr	ton/yr	(lb/1k lb steam) or	lb/hr	ton/yr	EF (lb/MMBtu)	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
Solid Fuels wood-waste fired boiler (S-BA) ³	88.4	Custom Built	66,800	0.1209	8.07	35.37	0.1100	7.35	32.18	0.0653	4.36	19.10	0.0250	2.21	9.68	5.75	25.19	15.17	66.45
Cleaver-Brooks natural gas-fired boiler (S-BB)	74.37	DLD-76	N/A	0.0075	0.56	2.44	0.0075	0.56	2.44	0.0075	0.56	2.44	0.0006	0.04	0.20	6.13	26.84	7.29	31.92
Babcock & Wilcox natural gas-fired boiler (S-BC)	78.6	FM978	N/A	0.0075	0.59	2.58	0.0075	0.59	2.58	0.0075	0.59	2.58	0.0006	0.05	0.21	6.48	28.37	7.70	33.74
Combustion Engineering natural gas-fired boiler (S-BD)	40.95	NB-242	N/A	0.0075	0.32	1.40	0.0075	0.31	1.35	0.0075	0.31	1.35	0.0006	0.02	0.11	3.37	14.78	4.01	17.58
Diesel-Fired Emergency Electrical generator engine Gibb Hall 350kw (SG-01)	3.7	Kohler 18 NA 3160	N/A	0.3354	1.24	0.31	0.3100	1.15	0.29	0.3008	1.11	0.28	0.2900	1.07	0.27	3.52	0.88	16.32	4.08
Diesel-Fired Electrical generator engine Power Plant 180kw (SG-02)	2.0	Kohler 18OROZJ181	N/A	0.3354	0.67	0.17	0.3100	0.62	0.16	0.3008	0.60	0.15	0.2900	0.58	0.15	1.90	0.48	8.82	2.21
Diesel-Fired Electrical generator engine McClure Hall 500kw (SG-03)	4.7	CAT 3412	N/A	0.3354	1.58	0.39	0.3100	1.46	0.36	0.3008	1.41	0.35	0.2900	1.36	0.34	4.47	1.12	20.73	5.18
Diesel-Fired Electrical generator engine Kibbie Dome 300kW (SG-06)	3.56	Kohler 300REOZDD	N/A	0.3354	1.19	0.30	0.3100	1.10	0.28	0.3008	1.07	0.27	0.2900	1.03	0.26	3.38	0.85	15.70	3.92
Diesel-Fired Electrical generator engine Library 250kW (SG-05)	2.5	Kohler 250RZEOZJE	N/A	0.3354	0.83	0.21	0.3100	0.76	0.19	0.3008	0.74	0.18	0.2900	0.71	0.18	2.34	0.58	10.85	2.71
Diesel-Fired Electrical generator engine Renfrew hall 450kw (SG-04)	4.89	Caterpillar G6B18604	N/A	0.3354	1.54	0.41	0.3100	1.52	0.38	0.3008	1.47	0.37	0.2900	1.42	0.35	4.65	1.16	21.56	5.39
Total =					16.69	43.58		15.41	40.21		12.22	27.07		8.51	11.73	41.97	100.24	128.15	173.18

³Unit SBA PM, PM₁₀, NO_x, and CO emissions were calculated using a proposed steam capacity limit.
Note: All emergency generators limited operating hours to 500 hrs/yr to meet IDAPA 58.01.01.222.01.d exemption criteria

Emission Total For Insignificant Sources (tons/yr)					
NO _x	SO ₂	PM/PM ₁₀	CO	VOC	
32.34	0.60	2.06	17.63	5.06	

Emission Total For Fugitive Sources (tons/yr)					
NO _x	SO ₂	PM/PM ₁₀	CO	VOC	
0.00	0.00	29.73	0.00	0.00	

Facility-Wide Annual PTE (tons/yr)					
PM	PM ₁₀	SO ₂	CO	NO _x	
75.38	72.00	12.33	117.87	205.52	

Appendix B Emission Factors for Boilers, Furnaces, and Engines

**University of Idaho
Emission Inventory
Emission Factors**

Solid Fuels Wood-waste Fired Boiler

Solid Fuels Wood-waste Fired Boiler (S-BA)	NOx EF (lb/1000 lb steam) ^a	SO2 EF (lb/MMBtu)	PM-10 EF (lb/1000 lb steam) ^b	CO EF (lb/1000 lb steam) ^c	VOC EF (lb/MMBtu)
Assume Bark/bark and wet wood/wet wood - fired boiler	0.2271	0.025	0.1100	0.0861	0.0170

AP-42, Table 1.6-2,3, September 2003 (SO2 and VOC emission factors)

^aNOx Emission factor was referenced from Table 3.5 in the Tier I Operating Permit (T1-080203)

^bPM-10 Emission factor was calculated from the average PM Stack Test Data taken on January 5, 2005

From AP-42 Table 1.6-5 particle size distributions for boilers with multiclones, PM-10 = .91*PM, PM2.5 = .54*PM

^cCO emission factor was calculated from the highest emission rate recorded in the Stack Test Data taken on March 23, 1998 (Run #2)

Calculation: 5.42 lbs CO/hr / 63,000 lbs steam/hr = 0.0861 lb CO/1000 lbs steam

Small Boilers, Furnaces, and Hot Water Heaters Emission Factors

Assumptions:

Hot water heaters use the same emission factors as small furnaces at < 0.3 MMBtu/hr and at >0.3 MMBtu/hr, apply the small boiler emission factors.

Calculation Method for Potential Emissions Inventory

Emission (ton/yr) = (Rated Heat Input Capacity in MMBtu/hr) * (Pollutant Emission Factor in lb/MMBtu) * (Operating Hours in hr/yr) / (2000 lb/ton)

Natural Gas Fired Boilers Emission Factors

Small Boilers < 100 MMBtu/hr Natural Gas Fired	NOx EF Uncontrolled (lb/MMCF)	SO2 EF (lb/MMCF)	PM-10 EF (lb/MMCF)	CO EF (lb/MMCF)	VOC EF (lb/MMCF)
	100.0	0.6	7.6	84.0	5.5
Assuming a heat value of 1,020 Btu/scf. To convert (lb/MMCF) factors to lb/MMBtu, divide the lb/MMCF factor by 1,020 Btu/scf. PM-10 is front + back half	NOx EF Uncontrolled (lb/MMBtu)	SO2 EF (lb/MMBtu)	PM-10 EF (lb/MMBtu)	CO EF (lb/MMBtu)	VOC EF (lb/MMBtu)
	0.098	0.0006	0.0075	0.0824	0.0054

Referenced AP-42, Natural Gas Combustion, Table 1.4-1,2, July 1998

Natural Gas Fired Furnaces Emission Factors

Residential Furnaces <0.3 MMBtu/hr Natural Gas Fired	NOx EF Uncontrolled	SO2 EF (lb/MMCF)	PM-10 EF (lb/MMCF)	CO EF (lb/MMCF)	VOC EF (lb/MMCF)
	94.0	0.6	7.6	40.0	5.5
Assuming a heat value of 1,020 Btu/scf. To convert (lb/MMCF) factors to lb/MMBtu, divide the lb/MMCF factor by 1,020 Btu/scf.	NOx EF Uncontrolled (lb/MMBtu)	SO2 EF (lb/MMBtu)	PM-10 EF (lb/MMBtu)	CO EF (lb/MMBtu)	VOC EF (lb/MMBtu)
	0.0922	0.0006	0.0075	0.0392	0.0054

Referenced AP-42, Natural Gas Combustion, Table 1.4-1,2, July 1998

Diesel Engine Emission Factors

Uncontrolled engine emissions based on heat content of fuel to the engine	NOx EF (lb/MMBtu)	SO2 EF (lb/MMBtu)	PM-10 EF (lb/MMBtu)	CO EF (lb/MMBtu)	VOC EF (lb/MMBtu)
Note:refueling and evaporative organic compound emissions were excluded from the VOC emission factor	4.41	0.290	0.310	0.95	0.36

Referenced AP-42, Gasoline and Diesel Industrial Engines, Table 3.3, October 1996

from particle size distributions in AP-42 Table 3.4-2, PM = PM10*.620/.573, PM2.5=PM10* .556/.573

**Appendix B
Fugitive Emissions
Miscellaneous Sources**

**University of Idaho
Emission Inventory
Fugitive Emissions - Miscellaneous Sources**

Wood Chip Pile

The University maintains a wood chip pile as fuel storage for the wood-fired boiler. Fugitive dust is emitted from this source. See Table 1 for the emission summary of the wood chip pile.

Table 1.

Fugitive Dust Emissions from University Wood Chip Pile - 2006 -					
Quantity of Chips ^a (tons/yr)	PM10 EF ^b (lb dust/ton chips)	Moisture Content (%)		tons PM/yr	tons PM _{2.5} /yr
19867	0.36	0.4	1.43	2.86	0.72

^aQuantity of Chips is calculated using 2006 data of 9,100 tons added to the chip pile plus 10,767 tons removed from the chip pile to take into account both transfers.

^bEmission Factor provided by Darrin Mehr, DEQ, for sawdust, 2000

Wood Chip Off-Loading Station

The wood-fired boiler has an off-loading station for trucks carrying wood chip fuel. A hydraulic powered ramp tilts the truck trailer to dump the wood chips into a hopper which feeds onto a covered conveyor belt system. Fugitive dust is emitted from the dumping of the wood chip fuel. See Table 2 for the emission summary for the wood chip off-loading station.

Table 2.

Fugitive Dust Emissions from University Wood Chip Pile Off-Loading Station (Power Plant) - 2006 -					
Quantity of Chips (tons/yr)	EF ^a (lb dust/ton chips)	Moisture Content (%)	Dust Emissions	tons PM/yr	tons PM _{2.5} /yr
31462	0.36	0.4	2.27	4.53	1.13

^aEmission Factor provided by Darrin Mehr, DEQ, for sawdust, 2000
assume PM = 2*PM10, PM10=2*PM

**University of Idaho
Emission Inventory
Fugitive Emissions - Miscellaneous Sources**

Sand, Basalt Rock, Top Soil, and Compost Piles

The University maintains sand, basalt rock, top soil, and compost piles for various university activities. Sand is used primarily for sanding sidewalks in the winter, basalt rock is used primarily for sanding roads in the winter, and top soil and compost are used for landscaping activities. Fugitive dust is created by wind erosion and loading/unloading and is emitted from these sources. See Table 3 for the emission summary of the various piles.

Table 3.

Fugitive Dust Emissions (Sand, Basalt Rock, Top Soil, and Composite Pile)		
Material	Estimated Amount of Material (tons/yr)	Emissions (tons/yr)
Sand	40	0.002
Basalt Rock	1022	0.052
Top Soil	458	0.023
Composit	168	0.009
Total (tons/yr) =		0.086

Aggregate Handling and Storage Piles Fugitive Emissions

$$E = \left[k \times 0.0032 \left(\left(\frac{U}{S} \right)^{1.3} + \left(\frac{M}{2} \right)^{1.4} \right) \right]$$

Ref: AP-42, Aggregate Handling and Storage Piles, Section 13.2.4, Eq.(1), 11/06

Variables	PM-10	Units/Comments	PM	PM-2.5
k =	0.35	for < 10 microgram diameter	0.74	0.11
U =	10	mph	10	10
M =	0.25	% moisture	0.25	0.25

Example Calculation (Sand):

$$0.35 \times (0.0032) \times [(15/5)^{1.3} + (0.25/2)^{1.4}] = 0.0859 \text{ lbs of dust per ton of material}$$

PM10	40 tons sand/yr *	0.0507	lbs PM10/ton =	2.03	lbsPM10/yr
PM	40 tons sand/yr *	0.1072	lbs PM10/ton =	4.29	lbsPM10/yr
PM2.5	40 tons sand/yr *	0.0159	lbs PM10/ton =	0.64	lbsPM10/yr

*Note, amount of fugitive dusts are doubled to reflect loading and unloading.

us Sources = 7.39 tons PM/

Appendix B

CAM Applicability - (S-BA)

University of Idaho
Emission Inventory
CAM Applicability
Solid Fuel Wood-waste Fired Boiler (S-BA)

Uncontrolled PM/PM₁₀ Emissions

Rated Capacity (MMBtu/hr)	PM Emission Factor ^a (lb/MMBtu)	Uncontrolled PM Emissions (ton/yr)	Uncontrolled PM ₁₀ ^b Emissions (ton/yr)	Greater than 100 tons/yr?	CAM Applicable?
88.40	0.56	216.83	162.62	yes	yes

^aReferenced AP-42, Chapter 1.6, Table 1.6-1

^bPM₁₀ emissions were calculated by multiplying PM emissions by 0.75.

University of Idaho - Compliance Assurance Monitoring (CAM) Evaluation

Emissions Unit		Has a Control Device?	Pollutant Control Device Captures?	Uncontrolled Potential Emissions tons/year	Uncontrolled Potential Emissions > 100 tons/year ?	Has an Emission Limit?	CAM?	Reason(s)
S-BA	Solid Fuels Wood-Waste Fired Boiler	YES	PM10	182.6	YES	YES	YES	CAM APPLIES
S-BB	Cleaver-Brooks Natural Gas-Fired Boiler	NO					NO	No Control Device, No Uncontrolled Emissions > 100 tons/year
S-BC	Babcock & Wilcox Natural Gas-Fired Boiler	NO					NO	No Control Device, No Uncontrolled Emissions > 100 tons/year
S-BD	Combustion Engineering Natural Gas-Fired Boiler	NO					NO	No Control Device, No Uncontrolled Emissions > 100 tons/year
SG-01	Diesel Fired Electrical Generator Engine	NO					NO	No Control Device, No Uncontrolled Emissions > 100 tons/year
SG-02	Diesel Fired Electrical Generator Engine	NO					NO	No Control Device, No Uncontrolled Emissions > 100 tons/year
SG-03	Diesel Fired Electrical Generator Engine	NO					NO	No Control Device, No Uncontrolled Emissions > 100 tons/year

**Compliance Assurance Monitoring
(CAM) Plan**

**Wood-fired Boiler Stack
Multiclone**

University of Idaho
1108 West 6th Street
Moscow, ID 83844-2030

May, 2007

CAM Plan

Wood-fired Boiler Stack Multiclone for Particulate Control

I. Background

A. Facility:

University of Idaho
1108 West 6th Street
Moscow, ID 83844-2030

B. Emissions Unit

Wood-fired Boiler S-BA (formerly S-B00 in T1-060203)

C. Control Device

Multiclone (Barron)

D. Applicable Regulation or Requirement

IDAPA 58.01.01.676 (Standards for New Sources)
Idaho Tier I Permit: T1-060203, Section 3.3

E. Emission Limits

PM: 0.080 gr/dscf of effluent gas corrected to 8% oxygen by volume,
PM₁₀: 17.24 lbs/hour,
PM₁₀: 75.52 tons/year

F. Monitoring

Differential pressure across the multiclone is monitored and recorded hourly.

G. Indicator Range

Pressure drop of 1 to 6 inches of water column.

II. Discussion

The University of Idaho (University) has developed this compliance assurance monitoring (CAM) program for the wood-fired boiler stack multiclone at the Moscow, Idaho campus steam plant. The multiclone is operated to achieve compliance with the wood-fired boiler particulate matter grain loading and emission rate limits. This compliance assurance monitoring program is intended to provide a reasonable assurance that the control equipment is operating properly. By extension, proper operation of the multiclone provides reasonable assurance that wood-fired boiler particulate emissions are in compliance with the applicable limits.

III. Monitoring Approach

The key elements of the monitoring approach are presented in the following table.

TABLE 1. MONITORING APPROACH

I. Indicator	Multiclone differential pressure.
II. Measurement Approach	The inlet and outlet of the multiclone are monitored using a differential pressure transducer. The value from the pressure transducer is recorded hourly in the control room by operations personnel. Values from the differential pressure transducer will be averaged every 24 hours.
III. Indicator Range ¹	An excursion is defined as a daily (24 hour) average differential pressure of below 1 or above 6 inches of water pressure. An excursion triggers an inspection and possible corrective action.
IV. Performance Criteria	Pressure drop is measured directly across the inlet and outlet of the multiclone. The minimum accuracy of the device is ± 1 inch water pressure.
A. Data Representativeness	
B. Verification of Operational Status	Boiler operators will check operation of the differential pressure at least once per day.
C. QA/QC Practices and Criteria	The pressure transducer is calibrated in accordance with manufacturer's recommendations.
D. Monitoring Frequency	Pressure drop is continuously monitored recorded once per hour. Data is permanently stored in the boiler operator's logs.
E. Data Collection Procedures	Pressure drop is continuously monitored recorded once per hour by the boiler operator. 24 hour averages will be calculated once per day if any hourly reading exceeds 1 or 6 inches.
F. Averaging Period	24-hours. ¹
G. Stack Test	The University will conduct an initial performance test to confirm or establish the indicator parameter values in accordance with 40 CFR Part 60, Appendix A, Method 5. The test will verify that operation of the multiclone within the indicator range will result in compliance with the boiler particulate matter emissions standards set out in the Tier I permit.

¹ The above indicator ranges are a 24-hour average pressure range. Short-term spikes above or below this average do not necessarily indicate an excursion or trigger corrective action.

IV. Monitoring Approach Justification

A. Background

The University operates a wood-fired boiler at their facility in Moscow, Idaho. The primary purpose of the wood-fired boiler is to produce steam for heating the campus buildings during cold weather and to provide steam to absorption chillers to cool the campus buildings during the summer. The boiler is rated at 60,000 pounds of steam per hour. A multiclone is used to control particulate emissions from the boiler stack .

This University CAM plan is specific to monitoring the performance of the wood-fired boiler multiclone to ensure compliance with applicable particulate emission rate limits.

B. Rationale for Selection of Pressure Drop as a Performance Indicator

The pressure drop through the multiclone will be monitored continuously. Pressure drop across the multiclone is not, in and of itself, a direct indication of particulate emissions from the boiler. Monitoring the pressure drop, however, can demonstrate that the multiclone is being operated and maintained in a manner consistent with good pollution control practices to minimize emissions. Changes in pressure drop may indicate required preventative maintenance to assure continued compliance with the relevant standard. For example, an increase in pressure drop can indicate that the multiclone is being clogged with particulate and is therefore not effective. Decreases in pressure drop may indicate significant leaks or damage to the multiclone, which would allow particulate emissions to escape uncontrolled. Monitoring of pressure drop will help ensure that timely corrective action is taken before emissions deviations occur.

C. Rationale for Selection of Indicator Range

The indicator range for the multiclone pressure drop has been based on manufacturer's recommendations and previously recorded values. The manufacturer (Barron), recommends an operating pressure drop of 1 to 6 inches of water column. Also, the University's Tier I permit currently requires monitoring of multiclone pressure drop. At least 5 years of historical data are on file for reference.

V. Corrective Action

Corrective action must be initiated as soon as reasonably practicable after the 24-hour average differential pressure drops below or exceeds the established indicator range. Corrective action should be completed within a reasonable time after its initiation. Corrective action will be documented . If appropriate corrective action does not expeditiously return the indicator parameter to within the acceptable range, the plant will, as soon as practicable, conduct Method 5 testing to demonstrate compliance with the standard and, if appropriate, to establish a new differential pressure indicator range.

VI. Stack Test

After Department approval of this CAM plan, the University will submit a stack testing schedule and plan to the Department for approval. This schedule and plan will describe a Method 5 testing campaign to confirm the existing pressure drop indicator range for the wood-fired boiler multiclone or establish a new range, if required.

TIER I ANNUAL COMPLIANCE CERTIFICATION TABLE

FORM AQ-C2

Facility/Permittee Name: University of Idaho
Facility Location: West Side of the City of Moscow
AIRS Facility No.: 057-00025

Tier I Operating Permit No.: T1-2008.0167
Issuance Date: February 1, 2008 (modified January 28, 2009)
Compliance Reporting Period: April 16, 2012 - July 1, 2012

1 Permit Condition	2 Compliance Determination Methods	3 Monitoring Frequency C ¹ , I ² , or N/A ³	4 Deviations and Excess Emissions Events	5 Permit Condition Compliance Status C ¹ /I ²	6 Attachment
Section 2 Conditions					
2.1	Permit Conditions 2.2 - 2.4	I		C	
2.2	Fugitive emission controls not necessary this reporting period.	N/A		C	
2.3	No complaints received this reporting period. Log maintained on-site for review.	I		C	
2.4	Monthly facility-wide inspections of potential sources of fugitive emissions conducted and recorded. No fugitive emission problems noted this reporting period.	I		C	

1 Permit Condition	2 Compliance Determination Methods	3 Monitoring Frequency C ¹ , I ² , or N/A ³	4 Deviations and Excess Emissions Events	5 Permit Condition Compliance Status C ¹ /I ²	6 Attachment
2.5	Permit Condition 2.6	I		C	
2.6	Received odor complaints related to land application of manure from the Dairy Farm. Farm Operations changed the application procedure to immediately cultivate the manure into the ground to minimize the odors. Received one complaint which was determined not to be associated with University activities. Log maintained on-site for review.	I		C	
2.7	Permit Condition 2.8	I	See Permit Condition 2.8	C	
2.8	Monthly facility-wide inspections of potential sources of visible emissions conducted and recorded. No visible emissions problems noted this reporting period.	I		C	
2.9	Permit Conditions 2.9.1 - 2.9.5	I	See Permit Condition 2.9.3.	I	
2.9.1	Actions were taken within 24 hours to correct any excess emissions event, and/or to minimize excess emissions, and submit required reports.	I		C	

1 Permit Condition	2 Compliance Determination Methods	3 Monitoring Frequency C ¹ , I ² , or N/A ³	4 Deviations and Excess Emissions Events	5 Permit Condition Compliance Status C ¹ /I ²	6 Attachment
2.9.2	No startup, shutdown, or scheduled maintenance occurred during a DEQ advisory. Opacity readings and notifications maintained on-site for review.	I		C	
2.9.3	One breakdown and one upset excess emissions events as determined by opacity monitoring occurred during this report period.	I	<p>May 1, 2012 upset event - Rapid load fluctuations caused the boiler to ramp up and down rapidly. After manually overriding the controls, the opacity continued to spike for no apparent reason.</p> <p>May 7, 2012 breakdown event - A broken grate jammed in the ash auger, damaging some of the flighting and the bearing and hanger. This caused the opacity to be exceeded.</p> <p>Reports previously submitted to DEQ and are available for review on site.</p>	I	
2.9.4	All excess emissions reports submitted to DEQ within 15 days.	I		C	
2.9.5	Excess emissions records have been maintained for this reporting period. Records are maintained on-site for review.	C		C	

1 Permit Condition	2 Compliance Determination Methods	3 Monitoring Frequency C ¹ , I ² , or N/A ³	4 Deviations and Excess Emissions Events	5 Permit Condition Compliance Status C ¹ /I ²	6 Attachment
2.10	Performance test conducted on December 11, 2008, notice given more than 15 days prior to date of test, performance test plan submitted prior to test, results of test submitted within 60 days from date of test (30 day extension granted by IDEQ, e-mail dated December 17, 2008).	I		C	
2.11	Recordkeeping system is kept up-to-date. Opacity records kept for five years.	C		C	
2.12	Required reports and certifications submitted to DEQ and EPA within 30 days of the end of each specified reporting period.	I		C	
2.13	PM discharge from fuel burning equipment is below allowed limits. See Permit Conditions 3.2, 3.16 and 3.17.	I		C	
2.14	Sulfur contents of distillate fuel is below allowed limits. Invoices state actual sulfur content in percent by weight for each shipment of distillate fuel oil received. Invoices available on-site for review.	I		C	

1 Permit Condition	2 Compliance Determination Methods	3 Monitoring Frequency C ¹ , I ² , or N/A ³	4 Deviations and Excess Emissions Events	5 Permit Condition Compliance Status C ¹ /I ²	6 Attachment
2.15	No opening burning conducted.	I		C	
2.16	<ul style="list-style-type: none"> § Notification of EPA at least 10 days prior to start of routine demolition or renovation activities. § Notification of EPA not later than one working day for emergency renovation activities. § Notification form includes information required in 40 CFR Part 61.145(b)(4) and (b)(5). § Annual notification of combined additive renovation and individual nonscheduled operations. § Copies of notification forms are maintained on-site for review. § Emission control methods are by wetting the regulated asbestos-containing material (RACM) during removal, using a local exhaust system designed and operated to capture the particulate asbestos material, using a 	I/C		C	

1 Permit Condition	2 Compliance Determination Methods	3 Monitoring Frequency C ¹ , I ² , or N/A ³	4 Deviations and Excess Emissions Events	5 Permit Condition Compliance Status C ¹ /I ²	6 Attachment
	<p>glove-bag system designed and operated to contain the particulate asbestos material, using leak-tight wrapping, or any combination of the methods listed above.</p> <p>§ Training records are maintained on-site for review.</p> <p>§ Asbestos-containing wastes are adequately wet, packed in leak-tight containers or wrappings, and labeled.</p> <p>§ Asbestos-containing wastes are disposed of a site that is in accordance with 40 CFR Part 61.154.</p> <p>§ Vehicles transporting asbestos-containing wastes are marked during the loading and unloading as specified in 40 CFR Part 61.149(d)(i), (ii), and (iii).</p> <p>§ Waste shipment documents are developed for each waste shipment and signed copies are maintained on-site for review.</p>				

1 Permit Condition	2 Compliance Determination Methods	3 Monitoring Frequency C ¹ , I ² , or N/A ³	4 Deviations and Excess Emissions Events	5 Permit Condition Compliance Status C ¹ /I ²	6 Attachment
	§ A copy of the waste shipment document is provided to the disposal site owner or operator. § When air filtration methods are used, HEPA filters that are certified to be at least 99.97 percent efficient for 0.3 microns particles are used.				
2.17	Not applicable.	N/A		C	
2.18	§ Certified recovery or recycling machines are used prior to disposal of appliances, except for MVACs and MVAC-like appliances. Certifications of machines are maintained on-site and available for review. § Certified recovery or recycling machines are used when maintaining, servicing, or repairing appliances, except for MVACs. Certifications of machines are maintained on-site for	I/C		C	

1 Permit Condition	2 Compliance Determination Methods	3 Monitoring Frequency C ¹ , I ² , or N/A ³	4 Deviations and Excess Emissions Events	5 Permit Condition Compliance Status C ¹ /I ²	6 Attachment
	<p>review.</p> <p>§ Certified technicians verify that the applicable level of evacuation has been reached prior to opening. Certifications of technicians are maintained on-site for review.</p> <p>§ Records are maintained on-site for review showing compliance with the less than 15 or 35 percent loss of refrigerant within a 12-month period for appliances containing more than 50 pounds of refrigerant.</p> <p>§ Certification of training for technicians is maintained on-site for review.</p> <p>§ Technician certification is provided to the wholesaler when purchasing Class I or Class II refrigerants.</p> <p>§ Service records are kept for appliances containing more the 50 pounds of refrigerant and are maintained on-site for review.</p>				

1 Permit Condition	2 Compliance Determination Methods	3 Monitoring Frequency C ¹ , I ² , or N/A ³	4 Deviations and Excess Emissions Events	5 Permit Condition Compliance Status C ¹ /I ²	6 Attachment
Section 3 Conditions					
3.1	Permit Condition 3.15.	I		C	
3.2	Permit Conditions 3.16.	I		C	
3.3	Permit Condition 3.8.	C		C	
3.4	Permit Condition 3.9.	C		C	
3.5	Only wood fuel is combusted. No confidential paper, or contaminated wood fuels were combusted this reporting period.	C		C	
3.6	Multiclone unit operated at all times.	C		C	
3.7	Manual available on-site for review.	C		C	
3.8	Records and log of COMS operation available on-site for review.	C		C	
3.9	Records of average hourly steam production rate available on-site for review.	C		C	

1 Permit Condition	2 Compliance Determination Methods	3 Monitoring Frequency C ¹ , I ² , or N/A ³	4 Deviations and Excess Emissions Events	5 Permit Condition Compliance Status C ¹ /I ²	6 Attachment
3.10	Logs of multiclone pressure drop readings available on-site for review.	I		C	
3.11	Permit Condition 3.10. Pressure drop measured across the inlet and outlet of multiclone. Indicator range of the multiclone has been verified.	I		C	
3.12	Permit Condition 3.10. No excursions this reporting period.	I		C	
3.13	Permit Conditions 3.7 and 3.10.	I		C	
3.14	No confidential paper combusted during this reporting period.	C		C	
3.15	Records of monthly and 12-month rolling totals for PM ₁₀ , CO, and NOx emissions are available on-site for review.	I		C	
3.16	Permit Condition 2.10 and 3.17.	I		C	
3.17	Based on results of the December 11, 2008 performance test, the next performance test is required by December 11, 2013.	I		C	
3.18	Records of in-stack opacity data available on-site for review.	C		C	

1 Permit Condition	2 Compliance Determination Methods	3 Monitoring Frequency C ¹ , I ² , or N/A ³	4 Deviations and Excess Emissions Events	5 Permit Condition Compliance Status C ¹ /I ²	6 Attachment
3.19	<i>Reports have been submitted and records maintained as required.</i>	I		C	
Section 4 Conditions					
4.1	None required	N/A		C	
4.2	Permit Condition 4.5	N/A		C	
4.3	Permit Condition 4.6	I		C	
4.4	Permit Condition 4.7	I		C	
4.5	No compliance of grain-loading standard required for gas-fired boiler.	N/A		C	
4.6	Permit Condition 2.8.	I		C	
4.7	Records of monthly and 12-month rolling totals for heat input are available on-site for review.	I		C	
Section 5 Conditions					
5.1	None required.	N/A		C	
5.2	Records of visible observations are available on-site for review.	I		C	

1 Permit Condition	2 Compliance Determination Methods	3 Monitoring Frequency C ¹ , I ² , or N/A ³	4 Deviations and Excess Emissions Events	5 Permit Condition Compliance Status C ¹ /I ²	6 Attachment
5.3	Permit Condition 5.4	I		C	
5.4	Records of monthly and 12-month rolling total of operating hours for each individual generator available on-site for review.	I		C	
Section 6 and 7 Conditions					
6.0	None required.	N/A		C	
6.1	Permit Condition 2	I		C	
7.1 - 7.3	None required.	N/A		C	
7.4 - 7.5	None required.	N/A		C	
7.6	None required.	N/A		C	
7.7 - 7.8	Information requested by DEQ was provided.	I		C	
7.9	None required.	N/A		C	
7.10 - 7.11	None required.	N/A		C	
7.12 - 7.13	None required.	N/A		C	
7.14	Entry and access to records allowed during last inspection.	I		C	

1 Permit Condition	2 Compliance Determination Methods	3 Monitoring Frequency C ¹ , I ² , or N/A ³	4 Deviations and Excess Emissions Events	5 Permit Condition Compliance Status C ¹ /I ²	6 Attachment
7.15	Not applicable.	N/A		C	
7.16	Fees were paid during this reporting period.	I		C	
7.17	Documents submitted to DEQ have been certified.	I		C	
7.18	Timely permit renewal not required during this reporting period.	N/A		C	
7.19	None required.	N/A		C	
7.20	Not applicable.	N/A		C	
7.21	This certification report.	I		C	
7.22	See certification.	N/A		C	
7.23	No such actions taken.	C		C	
7.24	Semiannual report submitted May 8, 2012.	I		C	
7.25	Submittal of reports as required.	I		C	
7.26	Not applicable.	N/A		C	
7.27	Not applicable.	N/A		C	

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
Yes	40 CFR 50.1 through 50.13	National Primary and Secondary Ambient Air Quality Standard for Sulfur Oxides, PM ₁₀ , PM _{2.5} , Carbon Monoxide, Ozone, Nitrogen Dioxide, Lead.	These regulations establish ambient standards and contain no requirements. The ambient standards are applicable to the area surrounding the U of I facility.
No	40 CFR 50, Appendices A through O	Ambient monitoring reference methods, calibration procedures and interpretation requirements for criteria <i>air pollutants</i> .	These regulations describe methods for sampling those pollutants that constitute the national ambient air quality standards. The regulations also provide procedures for calibration of instrumentation and for interpretations of the ozone and particulate standard. These appendices do not apply since U of I does not conduct ambient air quality monitoring.
No	40 CFR 51, Subpart A	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Emission Inventory Reporting Requirements.	These regulations specify various requirements for the State.
No	40 CFR 51, Subparts B through E	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Reserved.	
No	40 CFR 51 Subpart F	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Procedural Requirements.	These regulations specify various requirements for the State.
No	40 CFR 51 Subpart G §§51.110 through 117	Requirements For Preparation, Adoption, And Submittal Of Implementation Plans: Control Strategy: Attainment and maintenance of national standards, Description of control measures, Demonstration of adequacy, Emissions data and projections, Air quality data and projections, Data availability and Additional provisions for lead.	These regulations specify various requirements for the State.
No	40 CFR 51 Subpart G §51.118	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Control Strategy: Stack height provisions.	U of I is not applying for a pre-construction permit for a new source nor is it seeking an emission limitation that would be based upon any stack height in excess of GEP or any dispersion technique defined by 40 CFR 51.100(hh). These regulations contain no provisions that limit the construction of any physical stack height. State requirements are found at IDAPA 58.01.01.510 <i>et seq.</i>

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 51 Subpart G §§51.119 through 122	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Control Strategy: Intermittent control systems, Requirements for State Implementation Plan revisions relating to new motor vehicles, Findings and requirements for submission of State implementation plan revisions relating to emissions of oxides of nitrogen, Emissions reporting requirements for SIP revisions relating to budgets for NO _x emissions.	These regulations specify various requirements for the State.
No	40 CFR 51 Subpart G §§51.123 through 124	Findings and requirements for submission of State implementation plan revisions relating to emissions of oxides of nitrogen and sulfur dioxide pursuant to the Clean Air Interstate Rule.	These regulations specify various requirements for the State.
No	40 CFR 51 Subpart G §§51.125	Emissions reporting requirements for SIP revisions relating to budgets for SO ₂ and NO _x emissions.	This regulation specifies various requirements for the State.
No	40 CFR 51 Subpart H	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Prevention of Air Pollution Emergency Plans: Classification of regions for episode plans, Significant harm levels, Contingency plans, Reevaluation of episode plans.	These regulations specify various requirements for the State.
No	40 CFR 51, Subpart I §§51.160 through 163	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Review of New Sources and Modification: Legally enforceable procedures, Public availability of information, Identification of responsible agency, and Administrative procedures.	These regulations specify a portion of the various State requirements in order to obtain a SIP approval for review of new sources and modification.
No	40 CFR 51, Subpart I §51.164	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Review of New Sources and Modification: Stack height procedures.	These regulations specify a portion of the various State requirements in order to obtain an approved SIP for review of new sources and modification.
No	40 CFR 51, Subpart I §51.165	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Review of New Sources and Modification: Permit requirements.	These regulations require the State to include specific items in permits.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 51, Subpart I §51.166	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Review of New Sources and Modification: Prevention of significant deterioration of air quality.	This application is not for the purposes of a PSD permit, it is for a Tier I operating permit renewal. Therefore, these provisions do not apply.
No	40 CFR 51, Subparts J through O	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Ambient Air Quality Surveillance, Source Surveillance, Legal Authority, <i>Intergovernmental Consultation</i> , <i>Compliance Schedules</i> and Miscellaneous Plan Content Requirements.	These requirements spell out requirements for the State in order to obtain an approved SIP as it relates to the topics found in the “Description” column.
No	40 CFR 51, Subpart P §§51.300 through 51.307	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Protection of Visibility: Purpose and applicability, Definitions, Implementation control strategies for reasonably attributable visibility impairment, Exemptions from control, Identification of integral vistas, Monitoring for reasonably attributable visibility impairment, Long term strategy requirements for reasonably attributable visibility impairment; New source review.	These requirements are applicable to the State.
No	40 CFR 51, Subpart P §§51.308 and 309	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Protection of Visibility: Regional haze program requirements and Requirements related to the Grand Canyon Visibility Transport Commission.	These regulations establish requirements for the State to implement the regional haze program. BART regulations have been promulgated and it has been determined U of I is not subject to these regulations.
No	40 CFR 51, Subparts Q through W	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Reports, Extensions, Inspection/Maintenance Program Requirements, Conformity to State or Federal Implementation of Transportation Plans, ...under 23 U.S.C. or the Federal Transit Laws, Economic Incentive Programs, and Determining Conformity of General Federal Actions to SIPs or FIPs.	These requirements spell out requirements for the State in order to obtain an approved SIP as it relates to the topics found in the “Description” column.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 51, Subpart X	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Provisions for Implementation of 8-hour Ozone National Ambient Air Quality Standard.	These requirements do not apply to U of I because the facility is not located in an ozone non-attainment area.
No	40 CFR 51, Appendices A through K	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Reserved.	
No	40 CFR 51, Appendix L	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Example Regulations for Prevention of Air Pollution Emergency Episodes.	This appendix outlines example regulations a State may use to develop an approvable SIP. There are no requirements for this facility.
No	40 CFR 51, Appendix M	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Recommended Test Methods for SIPs.	This appendix provides recommended procedures for conducting emission tests for particulate, VOC and other related procedures. If directed by the agency to conduct a source test for part 51 purposes, these procedures would normally be followed. This application does not constitute conducting such tests and therefore does not apply.
No	40 CFR 51, Appendices N and O	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Reserved.	
No	40 CFR 51, Appendix P	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Minimum Emission Monitoring Requirements.	These regulations establish requirements for state implementation plans to include concerning minimum emission monitoring for listed source categories. U of I is not a listed source category. This appendix does not apply.
No	40 CFR 51, Appendices Q and R	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Reserved.	
No	40 CFR 51, Appendix S	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Emission Offset Interpretative Ruling.	This application is not for a new major source or a new major modification in or affecting a non-attainment area. The facility is not located in a non-attainment area and the offset provisions do not apply.
No	40 CFR 51, Appendices T and U	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Reserved	

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 51, Appendices V through Y	Requirements for Preparation, Adoption, and Submittal of Implementation Plans: Criteria for Determining the Completeness of Plan Submissions, Guideline on Air Quality Models, Examples of Economic Incentive Programs, Guidelines for BART Determinations Under the Regional Haze Rule.	These appendices provide various guidelines and example programs. This application is not for the purpose of any of these programs and, therefore, the appendices do not apply.
No	40 CFR 52 Subpart A §§52.1 through 20	Approval and Promulgation of Implementation Plans General Provisions: Definitions, Introduction, Classification of regions, Public availability of emission data, Legal authority, Control strategies, Rules and regulations, Compliance schedules, Review of new sources and modifications, Prevention of air pollution emergency episodes, Source surveillance, Air quality surveillance, State ambient air quality standards, Public availability of plans, Submission to Administrator, Severability of provisions, Abbreviations and Attainment dates for national standards.	In general, 40 CFR 52 sets forth EPA's approval and disapproval of Idaho's (and other states') plans and EPA's promulgation of such plans or portions thereof. Approval of a plan or any portion thereof is based upon a determination by EPA that such plan or portion meets the requirements of section 110 of the Act and the provisions of Part 51. There are no provisions in these regulations that relate specifically to this facility. All general requirements are found elsewhere in the CFR or IDAPA.
No	40 CFR 52 Subpart A §52.21	Approval and Promulgation of Implementation Plans: Prevention of significant deterioration of air quality.	This rule is only applicable if the state PSD program is not approved. Since the program is approved, this regulation does not apply. The PSD program is found in the Idaho regulations at IDAPA 58.01.01.579 <i>et seq.</i>
No	40 CFR 52. Subpart A §52.23	Approval and Promulgation of Implementation Plans: Violation and enforcement.	This regulation is a statement that a violation of an approved SIP is enforceable. It contains no specific requirements for this facility.
No	40 CFR 52 Subpart A §52.24	Approval and Promulgation of Implementation Plans: Statutory restriction on new sources.	This submittal is not for a new source or modification.
No	40 CFR52 Subpart A §§52.26 through 29	Approval and Promulgation of Implementation Plans: Visibility monitoring strategy, Protection of visibility from sources in attainment areas, Protection of visibility from sources in non-attainment areas and Visibility long-term strategies.	These regulations apply to any SIP disapproved regarding visibility protection. It contains no specific requirements for this facility.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 60.18	Standards of Performance for New Stationary Sources: Incorporations by reference, and General control device requirements.	The references and flare regulations are not applicable to this facility.
No	40 CFR 60.19	Standards of Performance for New Stationary Sources: General notification and reporting requirements.	This facility is not subject to any NSPS subpart; therefore, this regulation is not applicable to U of I.
No	40 CFR 60, Subpart B	Standards of Performance for New Stationary Sources: Adoption and Submittal of State Plans for Designated Facilities.	The provisions of this Subpart apply to States upon publication of a final guideline document under §60.22(a) and do not apply to this facility.
No	40 CFR 60, Subpart C	Standards of Performance for New Stationary Sources: Emissions Guidelines and Compliance Times.	This regulation only outlines the scope of Subpart C. This regulation contains no applicable requirements.
No	40 CFR 60, Subpart Ca, Cb, Cc, Cd	Standards of Performance for New Stationary Sources: Emission Guidelines and Compliance Times for Large Municipal Waste Combustors That are Constructed on or Before September 20, 1994, Municipal Solid Waste Landfills, Sulfuric Acid Production Units	This facility is not an “affected facility” as defined by subparts Cb, Cc and Cd. Section Ca is reserved.
Yes	40 CFR 60, Subpart Ce	Standards of Performance for New Stationary Sources: Emission Guidelines and Compliance Times for Hospital/Medical/Infectious Waste Incinerators.	This facility is exempted from the emissions requirements of this subpart by complying with the designated facilities exemption listed in Section 40 CFR 60.32e(b).
No	40 CFR 60, Subparts D and Da, Db	Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971, Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units	This facility does not meet the minimum heat input rates as defined by Subparts D and Da. Therefore, this facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart Dc	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	The boilers at the facility were all constructed before the applicability date of this subpart, therefore this facility is not an “affected facility” as defined by this subpart.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 60, Subparts E, Ea, Eb and Ec and ARM 17.8.340	Standards of Performance for Incinerators, Municipal Waste Combustors, Large Municipal Waste Combustors, and Hospital/Medical/Infectious Waste Incinerators.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart F and ARM 17.8.340	Standards of Performance for Portland Cement Plants.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart G and ARM 17.8.340	Standards of Performance for Nitric Acid Plants.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart H and ARM 17.8.340	Standards of Performance for Sulfuric Acid Plants.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart I and ARM 17.8.340	Standards of Performance for Hot Mix Asphalt Facilities.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart J and ARM 17.8.340	Standards of Performance for Petroleum Refineries.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subparts K, Ka, Kb and ARM 17.8.340	Standards of Performance for Storage Vessels for Petroleum Liquids and Volatile Organic Liquid - Various Dates.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart L and ARM 17.8.340	Standards of Performance for Secondary Lead Smelters.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart M and ARM 17.8.340	Standards of Performance for Secondary Brass and Bronze Production Plants.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subparts N, Na and ARM 17.8.340	Standards of Performance for Primary and Secondary Emissions from Basic Oxygen Process Furnaces and Steel-making Facilities.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart O and ARM 17.8.340	Standards of Performance for Sewage Treatment Plants.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart P and ARM 17.8.340	Standards of Performance for Primary Copper Smelters.	This facility is not an “affected facility” as defined by this subpart.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 60, Subpart KK and ARM 17.8.340	Standards of Performance for Lead-Acid Battery Manufacturing Plants.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart LL and ARM 17.8.340	Standards of Performance for Metallic Mineral Processing Plants.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart MM and ARM 17.8.340	Standards of Performance for Automobile and Light-duty Truck Surface Coating Operations.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart NN and ARM 17.8.340	Standards of Performance for Phosphate Rock Plants.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart PP and ARM 17.8.340	Standards of Performance for Ammonium Sulfate Manufacture.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart QQ and ARM 17.8.340	Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart RR and ARM 17.8.340	Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart SS and ARM 17.8.340	Standards of Performance for Industrial Surface Coating: Large Appliances.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart TT and ARM 17.8.340	Standards of Performance for Metal Coil Surface Coating.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart UU and ARM 17.8.340	Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart VV and ARM 17.8.340	Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry (SOCMI).	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart WW and ARM 17.8.340	Standards of Performance for the Beverage Can Surface Coating Industry.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart XX and ARM 17.8.340	Standards of Performance for Bulk Gasoline Terminals.	This facility is not an “affected facility” as defined by this subpart.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 60, Subpart CCCC and ARM 17.8.340	Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction is Commenced After November 30, 1999 or for Which Modification or Reconstruction is Commenced After June 1, 2001.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart DDDD and ARM 17.8.340	Emissions Guidelines and Compliance Times for Commercial and Industrial Solid Waste Incineration Units that Commenced Construction on or Before November 30, 1999.	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Subpart GGGG	Reserved.	
No	40 CFR 60 Subpart HHHH	Emission Guidelines and Compliance Times for Coal-Fired Electric Steam Generating Units.	This facility is not an “affected facility” as defined by this subpart..
No	40 CFR 60 Subpart IIII	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	The stationary CI ICE that this facility operates do not meet the date requirements of this subpart; therefore, these regulations do not apply.
No	40 CFR 60 Subpart JJJJ	Reserved	
No	40 CFR 60 Subpart KKKK	Subpart KKKK - Standards of Performance for Stationary Combustion Turbines	This facility is not an “affected facility” as defined by this subpart.
No	40 CFR 60, Appendix A	Standards of Performance for New Stationary Sources: Test Methods.	There are no emission units subject to NSPS at the facility; therefore, this regulation does not apply.
Yes	40 CFR 60, Appendix B	Standards of Performance for New Stationary Sources:, Performance Specifications.	This appendix defines performance specifications for continuous <i>emission monitors</i> . <i>This facility operates a stack COMS, and</i> these operations are subject to the performance specifications. This regulation is specified in the existing operating permit, and continues to be applicable to this facility.
No	40 CFR 60, Appendices C through D	Standards of Performance for New Stationary Sources: Determination of Emission Rate Change, Required Emission Inventory Information.	There are no emission units subject to NSPS at the facility; therefore, this regulation does not apply.
No	40 CFR 60, Appendix E	Reserved.	

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 60, Appendix F	Quality Assurance Procedures.	This appendix defines quality assurance procedures for continuous emission monitors. As the facility's COMS are not used to demonstrate compliance with an emission limit, Appendix F is not applicable.
No	40 CFR 60, Appendix G	Provisions for an Alternative Method of Demonstrating Compliance with 40 CFR 60.43 for Newton Power Station of Central Illinois Public Service Company.	These regulations are not applicable to this facility.
No	40 CFR 60, Appendix H	Reserved.	
No	40 CFR 60, Appendix I	Removable Label and Owner's Manual.	These regulations are not applicable to this facility.
Yes	40 CFR 61, Subpart A	National Emission Standards for Hazardous Air Pollutants: General Provisions.	This subpart spells out various conditions and requirements for Part 61 sources. This facility is subject to Subpart M; therefore, these requirements do apply.
No	40 CFR 61, Subpart B, and ARM 17.8.341	National Emission Standards for Radon Emissions from Underground Uranium Mines.	This facility is not a designated source under this subpart.
No	40 CFR 61, Subpart C, and ARM 17.8.341	National Emission Standards for Beryllium.	This facility is not a designated source under this subpart.
No	40 CFR 61, Subpart D, and ARM 17.8.341	National Emission Standards for Beryllium Rocket Motor Firing.	This facility is not a designated source for this pollutant category.
No	40 CFR 61, Subpart E, and ARM 17.8.341	National Emission Standards for Mercury.	This facility is not a designated source for this pollutant category.
No	40 CFR 61, Subpart F, and ARM 17.8.341	National Emission Standards for Vinyl Chloride.	<i>This facility is not a designated source for this pollutant category.</i>
No	40 CFR 61, Subpart G	Reserved	
No	40 CFR 61, Subparts H and I and ARM 17.8.341	National Emission Standards for Radionuclides – from various federal facilities.	This facility is not a designated source for this pollutant category.
No	40 CFR 61, Subpart J, and ARM 17.8.341	National Emission Standards for Equipment Leaks (Fugitive Emission Sources) of Benzene.	This facility is not a designated source for this pollutant category.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 61, Subpart K and ARM 17.8.341	National Emission Standards for Radionuclides From Elemental Phosphorus Plants.	This facility is not a designated source for this pollutant category.
No	40 CFR 61, Subpart L, and ARM 17.8.341	National Emission Standards for Benzene Emissions from Coke By-product Recovery Plants.	This facility is not a designated source for this pollutant category.
Yes	40 CFR 61, Subpart M	National Emission Standards for Asbestos.	This regulation is specified in the existing operating permit, and continues to be applicable to this facility should it undergo any demolition or renovation.
No	40 CFR 61, Subparts N, O, P and ARM 17.8.341	National Emission Standard for Inorganic Arsenic – Various.	This facility is not a designated source for this pollutant category.
No	40 CFR 61, Subparts Q, R, T and ARM 17.8.341	National Emission Standards for Radon Emissions from Various Facilities.	This facility is not a designated source for this pollutant category.
No	40 CFR 61, Subparts S and U	Reserved.	
No	40 CFR 61, Subpart V, and ARM 17.8.341	National Emission Standards for Equipment Leaks (Fugitive Emission Sources).	This facility is not a designated source for this pollutant category.
No	40 CFR 61, Subpart W, and ARM 17.8.341	National Emission Standards for Radon Emissions from Operating Mill Tailings.	This facility is not a designated source for this pollutant category.
No	40 CFR 61, Subpart X	Reserved.	
No	40 CFR 61, Subparts Y and BB, and ARM 17.8.341	National Emission Standards for Benzene Emissions – from Benzene Storage Vessels, Benzene Transfer Operations.	This facility is not a designated source for this pollutant category.
No	40 CFR 61, Subparts Z, AA, and CC through EE	Reserved.	
No	40 CFR 61, Subpart BB	National Emission Standard for Benzene Emissions From Benzene Transfer Operations	This facility is not a designated source for this pollutant category.
No	40 CFR 61, Subpart FF	National Emission Standard for Benzene Waste Operations.	This facility is not a designated source for this pollutant category.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 61, Appendices A through E	National Emission Standards for Hazardous Air Pollutants: Compliance Status Information, Test Methods, Quality Assurance Procedures, Methods for Estimating Radionuclide Emissions and Compliance Procedures Methods for Determining Compliance with Subpart I.	These appendices spell out various reporting and test methods, quality assurance procedures, emission estimations, and compliance methods for Part 61 affected sources. None of these regulations applies to U of I.
No	40 CFR 62	Approval and Promulgation of State Plans for Designated Facilities and Pollutants.	This facility is not listed as a designated facility in Subpart N – Idaho of this part.
No	40 CFR 63, Subpart A	National Emission Standards for Hazardous Air Pollutants for Source Categories: General Provisions.	This facility is not a major source of HAPS; therefore, these regulations do not apply
No	40 CFR 63, Subpart B	National Emission Standards for Hazardous Air Pollutants for Source Categories: Requirements for Control Technology Determinations for Major Sources in Accordance With Clean Air Act Sections, Sections 112(g) and 112(j).	This facility is not a major source of HAPS. These regulations do not apply.
No	40 CFR 63, Subpart C	National Emission Standards for Hazardous Air Pollutants for Source Categories: List of Hazardous Air Pollutants, Petitions Process, Lesser Quantity Designations, Source Category List.	These regulations include a list of HAPS that are deleted or redefined for this part, or apply to major sources of HAPS or to states.
No	40 CFR 63, Subparts D and E	National Emission Standards for Hazardous Air Pollutants for Source Categories: Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants, Approval of State Programs and Delegation of Federal Authorities.	These regulations do not apply to U of I.
No	40 CFR 63, Subpart F	National Emission Standards for Organic Hazardous Air Pollutants from the SOCOMI Industry.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart G	National Emission Standards for Organic Hazardous Air Pollutants from the SOCOMI Industry for Process Vents, Storage Vessels, Transfer Operations and Wastewater.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart H	National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks.	This facility is not an “affected source” for this category.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 63, Subpart I	National Emission Standards for Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart J	National Emission Standards for Hazardous Air Pollutants for Polyvinyl Chloride and Copolymers Production.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart K	Reserved.	
No	40 CFR 63, Subpart L	National Emission Standards for Coke Oven Batteries.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart M	National Perchloroethylene Air Emission Standards for Dry Cleaning Facilities.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart N	National Emission Standards for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart O	National Emission Standards for Hazardous Air Pollutants for Source Categories: Ethylene Oxide Emissions Standards for Sterilization Facilities.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart P	Reserved.	
No	40 CFR 63, Subpart Q	National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart R	National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations).	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart S	National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart T	National Emission Standards for Halogenated Solvent Cleaning.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart U	National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins.	This facility is not an “affected source” for this category.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 63, Subpart V	Reserved.	
No	40 CFR 63, Subpart W	National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-Nylon Polyamides Production.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart X	National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart Y	National Emission Standards for Marine Tank Vessel Tank Loading Operations.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart Z	Reserved.	
No	40 CFR 63, Subpart AA	National Emission Standards for Hazardous Air Pollutants from Phosphoric Acid Manufacturing Plants.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart BB	National Emission Standards for Hazardous Air Pollutants from Phosphate Fertilizers Production Plants.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart CC	National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart DD	National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart EE	National Emission Standards for Magnetic Tape Manufacturing Operations.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart FF	Reserved.	
No	40 CFR 63, Subpart GG	National Emission Standards for Aerospace Manufacturing and Rework Facilities.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart HH	National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart II	National Emission Standards for Shipbuilding and Ship Repair (Surface Coating).	This facility is not an “affected source” for this category.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 63, Subpart JJ	National Emission Standards for Wood Furniture Manufacturing Operations.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart KK	National Emission Standards for the Printing and Publishing Industry.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart LL	National Emission Standards for Hazardous Air Pollutants for Primary Aluminum Reduction Plants.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart MM	National Emission Standards for Hazardous Air Pollutants for Chemical Recovery Combustion Sources at Kraft, Soda, Sulfitite and Stand-Alone Semichemical Pulp Mills.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart OO	National Emission Standards for Tanks – Level 1.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart PP	National Emission Standards for Containers.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart QQ	National Emission Standards for Surface Impoundments.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart RR	National Emission Standards for Individual Drain Systems.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart SS	National Emission Standards for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart TT	National Emission Standards for Equipment Leaks – Control Level 1.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart UU	<i>National Emission Standards for Equipment Leaks – Control Level 2 Standards.</i>	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart VV	National Emission Standards for Oil-Water Separators and Organic-Waste Separators.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart WW	National Emission Standards for Storage Vessels (Tanks) – Control Level 2.	This facility is not an “affected source” for this category.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 63, Subpart XX	National Emission Standards for Ethylene Manufacturing Process Units: Heat Exchange Systems and Waste Operations.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart YY	National Emission Standards for Hazardous Air Pollutants for Source Categories: Generic Maximum Achievable Control Technology Standards.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart ZZ through BBB	Reserved.	
No	40 CFR 63, Subpart CCC	National Emission Standards for Hazardous Air Pollutants for Steel Pickling – HCl Process Facilities and Hydrochloric Acid Regeneration Plants.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart DDD	National Emission Standards for Hazardous Air Pollutants for Mineral Wool Production.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart EEE	National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart FFF	Reserved.	
No	40 CFR 63, Subpart GGG	National Emission Standards for Pharmaceuticals Production.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart HHH	National Emission Standards for Hazardous Air Pollutants from Natural Gas Transmission and Storage Facilities.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart III	National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart JJJ	National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart KKK	Reserved.	
No	40 CFR 63, Subpart LLL	National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry.	This facility is not an “affected source” for this category.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 63, Subpart MMM	National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart NNN	National Emission Standards for Hazardous Air Pollutants for Wool Fiberglass Manufacturing.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart OOO	National Emission Standards for Hazardous Air Pollutant Emissions: Amino/Phenolic Resins.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart PPP	National Emission Standards for Hazardous Air Pollutant Emissions for Polyether Polyols Production.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart QQQ	National Emission Standards for Hazardous Air Pollutants for Primary Copper Smelting.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart RRR	National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart SSS	Reserved.	
No	40 CFR 63, Subpart TTT	National Emission Standards for Hazardous Air Pollutants for Primary Lead Smelting.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart UUU	National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart VVV	National Emission Standards for Hazardous Air Pollutants: Publicly Owned Treatment Works.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart WWW	Reserved.	
No	40 CFR 63, Subpart XXX	National Emission Standards for Hazardous Air Pollutants for Ferroalloys Production: Ferromanganese and Silicomanganese.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart AAAA	National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills.	This facility is not an “affected source” for this category.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 63, Subpart CCCC	National Emission Standards for Hazardous Air Pollutants: Manufacturing of Nutritional Yeast.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart DDDD	National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart EEEE	National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline).	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart FFFF	National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart GGGG	National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart HHHH	National Emission Standards for Hazardous Air Pollutants for Wet-Formed Fiberglass Mat Production.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart IIII	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Automobiles and Light-Duty Trucks.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart JJJJ	National Emission Standards for Hazardous Air Pollutants: Paper and Other Web Coating.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart KKKK	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Cans.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart MMMM	National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart NNNN	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Large Appliances.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart OOOO	National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles.	This facility is not an “affected source” for this category.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 63, Subpart PPPP	National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart QQQQ	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart RRRR	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Furniture.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart SSSS	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Coil.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart TTTT	National Emission Standards for Hazardous Air Pollutants for Leather Finishing Operations.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart UUUU	National Emission Standards for Hazardous Air Pollutants for Cellulose Products Manufacturing.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart VVVV	National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart WWWW	National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart XXXX	National Emission Standards for Hazardous Air Pollutants: Rubber Tire Manufacturing.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart YYYYY	National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart ZZZZ	National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart AAAAA	National Emission Standards for Hazardous Air Pollutants for Lime Manufacturing Plants.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart BBBBB	National Emission Standards for Hazardous Air Pollutants for Semiconductor Manufacturing.	This facility is not an “affected source” for this category.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 63, Subpart CCCCC	National Emission Standards for Hazardous Air Pollutants for Coke Ovens: Pushing, Quenching, and Battery Stacks.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters.	This facility is not a major source of HAPS. These regulations do not apply.
No	40 CFR 63, Subpart EEEEE	National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart FFFFF	National Emission Standards for Hazardous Air Pollutants for Integrated Iron and Steel Manufacturing Facilities.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart GGGGG	National Emission Standards for Hazardous Air Pollutants: Site Remediation.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart HHHHH	National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart IIIII	National Emission Standards for Hazardous Air Pollutants: Mercury Emissions from Mercury Cell Chlor-Alkali Plants.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart JJJJJ	National Emission Standards for Hazardous Air Pollutants for Brick and Structural Clay Products Manufacturing.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart KKKKK	National Emission Standards for Hazardous Air Pollutants for Clay Ceramics Manufacturing.	<i>This facility is not an “affected source” for this category.</i>
No	40 CFR 63, Subpart LLLLL	National Emission Standards for Hazardous Air Pollutants: Asphalt Processing and Asphalt Roofing Manufacturing.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart MMMMM	National Emission Standards for Hazardous Air Pollutants: Flexible Polyurethane Foam Fabrication Operations.	This facility is not an “affected source” for this category.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 63, Subpart NNNNN	National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart OOOOO	Reserved.	
No	40 CFR 63, Subpart PTTTT	National Emission Standards for Hazardous Air Pollutants for Engine Test Cells/Standards.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart QQQQQ	National Emission Standards for Hazardous Air Pollutants for Friction Materials Manufacturing Facilities.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart RRRRR	National Emission Standards for Hazardous Air Pollutants: Taconite Iron Ore Processing.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart SSSSS	National Emission Standards for Hazardous Air Pollutants for Refractory Products Manufacturing.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart TTTTT	National Emission Standards for Hazardous Air Pollutants for Primary Magnesium Refining.	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart UUUUU through CCCCC	Reserved	
No	40 CFR 63, Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants for Polyvinyl Chloride and Copolymers Production Area Sources	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart EEEEE	National Emission Standards for Hazardous Air Pollutants for Primary Copper Smelting Area Sources	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart FFFFF	National Emission Standards for Hazardous Air Pollutants for Secondary Copper Smelting Area Sources	This facility is not an “affected source” for this category.
No	40 CFR 63, Subpart GGGGG	National Emission Standards for Hazardous Air Pollutants for Primary Nonferrous Metals Area Sources- Zinc, Cadmium, and Beryllium	This facility is not an “affected source” for this category.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
Yes	40 CFR 64	Compliance Assurance Monitoring.	The current U of I emissions inventory indicates that the wood-fired boiler has uncontrolled emissions that exceed 100 tons per year. This boiler also has a control device (multiclone). Therefore, these monitoring provisions apply to the wood-fired boiler. Please see application for specific information related to CAM.
No	40 CFR 65	Consolidated Federal Air Rule.	U of I is not referenced to this Part by any of the applicable subparts of 40 CFR 60, 61, or 63. These regulations do not apply.
No	40 CFR 66	Assessment and Collection of Non-Compliance Penalties by EPA.	These regulations apply to the facility only if EPA assesses them a penalty for non-compliance under Section 120 of the Clean Air Act. These regulations do not apply at this time.
No	40 CFR 67	EPA Approval of State Non-Compliance Penalty Program.	This regulation applies to States.
No	40 CFR 68	Chemical Accident Prevention Provisions.	Currently there are no projects or circumstances existing at the facility that would subject U of I to these provisions. However, U of I recognizes the potential enforcement of these provisions if future circumstances arise. This regulation is specified in the existing operating permit, and continues to be applicable to this facility should any listed substance be stored in quantities greater than the threshold amounts.
No	40 CFR 69	Special Exemptions from Requirements of the Clean Air Act.	These regulations do not apply.
No	40 CFR 70	State Operating Permit Programs.	<i>This part sets forth the comprehensive state operating permits program consistent with the requirements of Title V of the Act (42 U.S.C. 7401 et seq.) and defines the requirements and the corresponding standards and procedures by which the Administrator will approve state operating permit programs. These regulations apply to the state, not to the facility.</i>

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 71	Federal Operating Permit Programs.	This part sets forth the comprehensive federal air quality operating permits program consistent with the requirements of Title V of the Act (42 U.S.C. 7401 <i>et seq.</i>) and defines the requirements and the corresponding standards and procedures by which the Administrator will issue operating permits. These regulations do not apply to U of I.
No	40 CFR 72 through 78	Federal Acid Rain Provisions: Permits Regulation, Sulfur Dioxide Allowance System, Sulfur Dioxide Opt-Ins, Continuous Emission Monitoring, Acid Rain Nitrogen Oxides Emission Reduction Program, Excess Emissions, and Appeal Procedures.	This facility is not an “affected facility” as defined by Section 72.6(b)(5) and/or (6) of this part and is, therefore, not subject to any of the Acid Rain Program provisions.
No	40 CFR 79	Registration of Fuels and Fuel Additives.	These regulations specify various requirements for fuel manufacturers/importers and fuel additive manufacturers/importers. These regulations contain no requirements for this facility.
Yes	40 CFR 80	Regulation of Fuels and Fuel Additives.	This part prescribes regulations for the control and/or prohibition of fuels and additives for use in motor vehicles and motor vehicle engines. The University is subject to part 40 CFR 80.20-33 (only), which requires, among other things, a flow rate of less than 10 gallons per minute for any fuels dispensed.
No	40 CFR 81	Designation of Areas for Air Quality Planning Purposes.	Defines AQCR areas. These regulations contain no requirements for this facility.
No	40 CFR 82 Subpart A	Protection of Stratospheric Ozone: Production and Consumption Controls.	This subpart applies to any person that produces, transforms, destroys, imports, or exports a controlled substance or imports or exports a controlled project as defined by the Montreal Protocol on Substances that Deplete the Ozone Layer and sections 602 through 607, 614, and 616 of the CAAA. These regulations do not apply to U of I.
Yes	40 CFR 82 Subpart B	Protection of Stratospheric Ozone: Servicing of Motor Vehicle Air Conditioners.	These regulations apply to any person performing service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner. If U of I services and maintains motor vehicle air conditioners on site, we will comply with these provisions.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 82 Subpart C	Protection of Stratospheric Ozone: Ban on Nonessential Products Containing Class I Substances and Products Containing or Manufactured with Class II Substances.	Bans sale and distribution in interstate commerce of products defined in this subpart as being nonessential. These regulations do not apply to U of I.
No	40 CFR 82 Subpart D	Protection of Stratospheric Ozone: Federal Procurement.	Regulations apply to the federal government only.
Yes	40 CFR 82 Subpart E	Protection of Stratospheric Ozone: The Labeling of Products Using Ozone-Depleting Substances.	These requirements are applicable to all containers in which a class I or class II substance or a product or process containing a class I substance is stored or transported. These regulations apply to U of I if any such products are transported to or stored on-site.
Yes	40 CFR 82 Subpart F	Protection of Stratospheric Ozone: Recycling and Emissions Reduction.	This subpart applies to any person servicing, maintaining, repairing or disposing appliances or motor vehicle air conditioners. In addition, this subpart applies to persons associated with refrigerant recycling and recovery. This regulation is specified in the existing operating permit, and continues to be applicable to this facility if U of I services or maintains appliance or motor vehicle air conditioners on site.
No	40 CFR 82 Subpart G	Protection of Stratospheric Ozone: Significant New Alternative Policy Program.	These regulations address the acceptability of substitutes for ozone-depleting compounds. These regulations do not apply to U of I.
No	40 CFR 82 Subpart H	Protection of Stratospheric Ozone: Halon Emissions Reduction.	These regulations ban the manufacture of halon blends and the intentional release of halons during repair, testing, and disposal of equipment. These regulations do not apply to U of I.
No	40 CFR 85	Control of Air Pollution from Mobile Sources.	These rules contain no requirements applicable to this facility.
No	40 CFR 86	Control of Emissions From New and In-Use Highway Vehicles.	These rules contain no requirements applicable to this facility.
No	40 CFR 87	Control of Air Pollution from Aircraft And Aircraft Engines.	These rules contain no requirements applicable to this facility.
No	40 CFR 88	Clean-Fuel Vehicles.	These rules contain no requirements applicable to this facility.
No	40 CFR 89	Control of Emissions from New and In-Use Nonroad Compression-Ignition Engines.	These rules contain no requirements applicable to this facility.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	40 CFR 90	Control of Emissions From Nonroad Spark-Ignition Engines at or Below 19 kW.	These rules contain no requirements applicable to this facility.
No	40 CFR 91	Control of Emissions From Marine Spark-Ignition Engines.	These rules contain no requirements applicable to this facility.
No	40 CFR 92	Control of Emissions from Locomotives and Locomotive Engines.	These rules contain no requirements applicable to this facility.
No	40 CFR 93	Determining Conformity of Federal Actions or Federal Implementation Plans.	These rules contain no requirements applicable to this facility.
No	40 CFR 94	Control of Emissions From Marine Compression-Ignition Engines.	These rules contain no requirements applicable to this facility.
No	40 CFR 95	Mandatory Patent Licenses.	These rules contain no requirements applicable to this facility.
No	40 CFR 96 and 97	NOx Budget Trading for State Implementation Plans and Federal NOx Budget Trading Program.	These rules contain no requirements applicable to this facility.
No	40 CFR 98 and 99	Reserved.	

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Idaho Administrative Rules

58.01.01 - Rules for the Control of Air Pollution in Idaho

Applicable	Citation	Description	Comment
No	58.01.01.000	Legal Authority	This section is administrative in content and contains no specific requirements for this facility.
No	58.01.01.001	Title And Scope	This section is administrative in content and contains no specific requirements for this facility
Yes	58.01.01.002	Written Interpretations	This section is administrative in content and contains no specific requirements for this facility; however, the written interpretations may cover sections of the IDAPA that apply to this facility.
No	58.01.01.003	Administrative Appeals	This application is not for the purpose of an appeal; therefore, this regulation does not apply at this time.
Yes	58.01.01.004	Catchlines	This section is administrative in content, and is applicable to this facility when interpreting the IDAPA.
No	58.01.01.005 -- 011	Definitions, General Definitions, Definitions for the Purposes of Sections 200 through 228 and 400 through 461, Definitions for the Purposes of Sections 300 through 386, Definitions for the Purposes of 40 CFR Part 60, Definitions for the Purposes of 40 CFR Part 61 and 40 CFR Part 63, Definitions for the Purposes of Sections 790 through 799.	These regulations do not contain any requirements; they are definition sections.
No	58.01.01.012 -- 105	(RESERVED)	
No	58.01.01.106	Abbreviations	This regulation does not contain any requirements; it is a definition section.
Yes	58.01.01.107	Incorporations by Reference	The incorporated references are applicable to this facility and are specifically identified in the federal regulation review.
No	58.01.01.108 -- 120	(RESERVED)	

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	58.01.01.121	Compliance Requirements by Department	Currently there are no projects or circumstances existing at the facility that would subject U of I to these provisions. However, U of I recognizes the potential enforcement of these provisions if future circumstances arise.
Yes	58.01.01.122	Information Orders by the Department	This regulation is applicable to this facility.
Yes	58.01.01.123	Certification of Documents	This Tier 1 Operating Permit renewal application and any future documents as specified by this rule will be certified by the responsible official at the facility.
Yes	58.01.01.124	Truth, Accuracy and Completeness of Documents	This regulation is applicable to this facility.
Yes	58.01.01.125	False Statements	This regulation is applicable to this facility.
Yes	58.01.01.126	Tampering	This regulation is applicable to this facility.
Yes	58.01.01.127	Format of Responses	This regulation is applicable to this facility.
No	58.01.01.128	Confidential Information	This regulation is specified in the existing operating permit, and would be applicable to this facility should any confidential information be submitted. Currently there are no projects or circumstances existing at the facility that would subject U of I to these provisions. However, U of I reserves the right to use these provisions if future circumstances arise.
No	58.01.01.129	(Reserved)	
Yes	58.01.01.130	Startup, Shutdown, Scheduled Maintenance, Safety Measures, Upset and Breakdown	This regulation is specified in the existing operating permit, and continues to be applicable to this facility.
Yes	58.01.01.131	Excess Emissions	This regulation is specified in the existing operating permit, and continues to be applicable to this facility.
Yes	58.01.01.132	Correction of Condition	This regulation is specified in the existing operating permit, and continues to be applicable to this facility.
Yes	58.01.01.133	Startup, Shutdown and Scheduled Maintenance Requirements	This regulation is specified in the existing operating permit, and continues to be applicable to this facility.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
Yes	58.01.01.134	Upset, Breakdown and Safety Requirements	This regulation is specified in the existing operating permit, and continues to be applicable to this facility.
Yes	58.01.01.135	Excess Emissions Reports	This regulation is specified in the existing operating permit, and continues to be applicable to this facility.
Yes	58.01.01.136	Excess Emissions Records	This regulation is specified in the existing operating permit, and continues to be applicable to this facility.
No	58.01.01.137 -- 139	(Reserved)	
No	58.01.01.140	Variances	Currently there are no projects or circumstances existing at the facility that would subject U of I to these provisions. However, U of I reserves the right to use these provisions if future circumstances arise.
No	58.01.01.141	Petition	Currently there are no projects or circumstances existing at the facility that would subject U of I to these provisions. However, U of I reserves the right to use these provisions if future circumstances arise.
No	58.01.01.142	Notice	These regulations specify various requirements for the Department.
No	58.01.01.143	Investigation and Recommendation	These regulations specify various requirements for the Department.
No	58.01.01.144	Objections to Petition	These regulations govern citizen suit actions.
No	58.01.01.145	Authorization of Hearing	These regulations specify various requirements for the Department.
No	58.01.01.146	Notice of Hearing	These regulations specify various requirements for the Department.
No	58.01.01.147	Decision	These regulations specify various requirements for the Department.
No	58.01.01.148	Proof of Hardship	Currently there are no projects or circumstances existing at the facility that would subject U of I to these provisions. However, U of I reserves the right to use these provisions if future circumstances arise.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	58.01.01.149	Variance from New Rule	Currently there are no projects or circumstances existing at the facility that would subject U of I to these provisions. However, U of I reserves the right to use these provisions if future circumstances arise.
No	58.01.01.150 -- 154	(Reserved)	
Yes	58.01.01.155	Circumvention	This regulation is applicable to this facility.
Yes	58.01.01.156	Total Compliance	This regulation is applicable to this facility.
Yes	58.01.01.157	Test Methods and Procedures	This regulation is specified in the existing operating permit, and continues to be applicable to this facility.
No	58.01.01.158 -- 159	(Reserved)	
No	58.01.01.160	Provisions Governing Specific Activities and Conditions	This is an introductory section and contains no requirements.
Yes	58.01.01.161	Toxic Substances	This regulation is applicable to this facility.
No	58.01.01.162	Modifying Physical Conditions	These regulations specify various requirements for the Department.
No	58.01.01.163	Source Density	These regulations specify various requirements for the Department.
Yes	58.01.01.164	Polychlorinated Biphenyls (PCBs)	Currently there are no projects or circumstances existing at the facility that would subject U of I to these provisions. However, U of I recognizes the potential enforcement of these provisions if future circumstances arise.
No	58.01.01.165-- 174	(Reserved)	
No	58.01.01.175	Procedures and Requirements for Permits Establishing a Facility Emissions Cap	This is an introductory section and contains no requirements.
No	58.01.01.176	Facility Emissions Cap	This facility is not seeking a facility emissions cap; therefore, this regulation does not apply. However, U of I reserves the right to use these provisions if future circumstances arise.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	58.01.01.177 -- 181	Application Procedures, Standard Contents of Permits Establishing a Facility Emissions Cap, Procedures for Issuing Permits Establishing a Facility Emissions Cap, Revisions to Permits Establishing a Facility Emissions Cap, Notice and Record-Keeping of Estimates of Ambient Concentrations	This facility is not seeking a facility emissions cap; therefore, this regulation does not apply. However, U of I reserves the right to use these provisions if future circumstances arise.
No	58.01.01.182 -- 198	(Reserved)	
No	58.01.01.199	Electric Generating Unit Construction Prohibition	This facility is not an electric generating unit; therefore, the rule does not apply.
No	58.01.01.200	Procedures and Requirements for Permits to Construct	This regulation introduces the subsequent sections 201 – 228 and contains definitions. No specific requirements are specified.
No	58.01.01.201	Permit to Construct Required	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter; therefore, these rules do not apply at this time.
No	58.01.01.202	Application Procedures	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter; therefore, these rules do not apply at this time.
No	58.01.01.203	Permit Requirements for New and Modified Stationary Sources	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter; therefore, these rules do not apply at this time.
No	58.01.01.204	Permit Requirements for New Major Facilities or Major Modifications in Nonattainment Areas	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter; therefore, these rules do not apply at this time. This facility is not a proposed major stationary source or major modification to a source located within a non-attainment area. The provisions of these regulations are not applicable at this time.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	58.01.01.205	Permit Requirements for New Major Facilities or Major Modifications in Attainment or Unclassifiable Areas	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter. This facility is not a proposed major stationary source or major modification to a source. The provisions of these regulations are not applicable at this time.
No	58.01.01.206	Optional Offsets for Permits to Construct	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter. This facility is not proposing an emissions offset with this Operating Permit renewal; therefore, these rules do not apply at this time.
No	58.01.01.207	Requirements for Emission Reduction Credit	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter. This facility is not proposing an emissions reduction credit with this Operating Permit renewal; therefore, these rules do not apply at this time.
No	58.01.01.208	Demonstration of Net Air Quality Benefit	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter. This facility is not demonstrating a Net Air Quality Benefit with this Operating Permit renewal; therefore, these rules do not apply at this time.
Yes	58.01.01.209	Procedure for Issuing Permits	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter. Sections 01 through 04 contain procedures and requirements for the Department, except the opportunity to comment on the Department's proposed action. Section 05 contains requirements of the facility with respect to submission of materials for Tier I operating permits, which applies to this permitting action. Section 06 contains requirements when transferring permits, which is not proposed with this operating permit renewal.
No	58.01.01.210	Demonstration of Preconstruction Compliance With Toxic Standards	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter; therefore, these rules do not apply at this time.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	58.01.01.211	Conditions for Permits to Construct	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter; therefore, these rules do not apply at this time.
No	58.01.01.212	Obligation to Comply	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter; therefore, these rules do not apply at this time.
No	58.01.01.213	Pre-Permit Construction	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter; therefore, these rules do not apply at this time.
No	58.01.01.214	Demonstration of Preconstruction Compliance for New and Reconstructed Major Sources of Hazardous Air Pollutants	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter; therefore, these rules do not apply at this time.
No	58.01.01.215 -- 219	(Reserved)	
No	58.01.01.220	General Exemption Criteria For Permit To Construct Exemptions	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter; therefore, these rules do not apply at this time.
No	58.01.01.221	Category I Exemption	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit <i>within the meaning of this sub-chapter; therefore, these rules do not apply at this time.</i>
No	58.01.01.222	Category II Exemption	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter; therefore, these rules do not apply at this time.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	58.01.01.223	Exemption Criteria and Reporting Requirements For Toxic Air Pollutant Emissions	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter; therefore, these rules do not apply at this time.
No	58.01.01.224	Permit to Construct Application Fee	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter; therefore, these rules do not apply at this time.
No	58.01.01.225	Permit to Construct Processing Fee	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter; therefore, these rules do not apply at this time.
No	58.01.01.226	Payment of Fees for Permits to Construct	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter; therefore, these rules do not apply at this time.
No	58.01.01.227	Receipt and Usage of Fees	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter; therefore, these rules do not apply at this time.
No	58.01.01.228	Appeals	This application is for the purposes of a Title V operating permit renewal. This application does not seek a new or altered permit within the meaning of this sub-chapter; therefore, these rules do not apply at this time.
No	58.01.01.229 -- 299	(Reserved)	
No	58.01.01.300	Procedures and Requirements for Tier I Operating Permits	This is an introductory section and contains no requirements.
Yes	58.01.01.301	Requirement to Obtain Tier I Operating Permit	This regulation is applicable to this facility.
No	58.01.01.302	Optional Tier I Operating Permit	This facility is required to obtain a Tier I Operating Permit.
No	58.01.01.303 -- 310	(Reserved)	
No	58.01.01.311	Standard Permit Applications	This is an introductory section and contains no requirements.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
Yes	58.01.01.312	Duty To Apply	This regulation is applicable to this facility.
Yes	58.01.01.313	Timely Application	This regulation is applicable to this facility.
Yes	58.01.01.314	Required Standard Application Form and Required Information	This regulation is applicable to this facility.
Yes	58.01.01.315	Duty to Supplement or Correct Application	This regulation is specified in the existing operating permit, and continues to be applicable to this facility.
Yes	58.01.01.316	Effect of Inaccurate Information In Applications or Failure to Submit Relevant Information	This regulation is applicable to this facility.
Yes	58.01.01.317	Insignificant Activities	This regulation is applicable to this facility.
No	58.01.01.318 -- 320	(Reserved)	
No	58.01.01.321	Tier I Operating Permit Content	This is an introductory section and contains no requirements.
No	58.01.01.322	Standard Contents of Tier I Operating Permits	This regulation is specified in the existing operating permit and contains various requirements for inclusion in the permit by the Department.
No	58.01.01.323 -- 324	(Reserved)	
No	58.01.01.325	Additional Contents of Tier I Operating Permits -- Permit Shield	This regulation is specified in the existing operating permit and contains various requirements for inclusion in the permit by the Department.
No	58.01.01.326 -- 331	(Reserved)	
No	58.01.01.332	Emergency as an Affirmative Defense Regarding Excess Emissions	Currently there are no projects or circumstances existing at the facility that would subject U of I to these provisions. However, U of I reserves the right to use these provisions if future circumstances arise.
No	58.01.01.333 -- 334	(Reserved)	
No	58.01.01.335	General Tier I Operating Permits and Authorizations to Operate	This facility is not of this source category; therefore, these regulations do not apply.
No	58.01.01.336	Tier I Operating Permits for Tier I Portable Sources	This facility is not of this source category; therefore, these regulations do not apply.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	58.01.01.337 -- 359	(Reserved)	
No	58.01.01.360	Standard Processing of Tier I Operating Permit Applications	This is an introductory section and contains no requirements.
Yes	58.01.01.361	Completeness of Applications	These regulations specify various requirements for the Department, except for the completeness clause of Section 361.01. This portion of the regulation is specified in the existing operating permit, and continues to be applicable to this facility.
No	58.01.01.362	Technical Memorandums for Tier I Operating Permits	These regulations specify various requirements for the Department.
No	58.01.01.363	Preparation of Draft Permit or Draft Denial	These regulations specify various requirements for the Department.
No	58.01.01.364	Public Notices, Comments and Hearings	These regulations specify various requirements for the Department.
No	58.01.01.365	Preparation of Proposed Permit or Proposed Denial	These regulations specify various requirements for the Department.
No	58.01.01.366	EPA Review Procedures	These regulations specify various requirements for the Department.
No	58.01.01.367	Action on Application	These regulations specify various requirements for the Department.
No	58.01.01.368	Expiration of Preceding Permits	These regulations specify various requirements for the Department.
Yes	58.01.01.369	Tier I Operating Permit Renewal	<i>This regulation is applicable to this facility.</i>
No	58.01.01.370 -- 379	(Reserved)	
No	58.01.01.380	Changes to Tier I Operating Permits	This section defines subsequent sections 381 – 399, and contains no specific requirements.
Yes	58.01.01.381	Administrative Permit Amendments	Though this section contains Department protocol followed during permit administrative changes, this facility will abide by all requirements specified in this section for initiating administrative changes to the permit.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
Yes	58.01.01.382	Significant Permit Modification	This regulation is applicable to this facility.
Yes	58.01.01.383	Minor Permit Modification	This regulation is applicable to this facility.
No	58.01.01.384	Section 502(b)(10) Changes and Certain Emission Trades	This application is for the purposes of a Title V renewal. This application does not seek a new or altered permit within the meaning of this section; therefore, these rules do not apply at this time.
Yes	58.01.01.385	Off-Permit Changes and Notice	This regulation is applicable to this facility.
No	58.01.01.386	Reopening for Cause	These regulations specify various requirements for the Department.
No	58.01.01.387	Registration and Registration Fees	This is an introductory section and contains no requirements.
Yes	58.01.01.388	Applicability	This regulation is applicable to this facility.
Yes	58.01.01.389	Registration Information	This regulation is applicable to this facility.
Yes	58.01.01.390	Registration Fee	This regulation is applicable to this facility.
Yes	58.01.01.391	Request for Information	This regulation is applicable to this facility.
Yes	58.01.01.392	Registration Fee Assessment	This regulation is applicable to this facility.
Yes	58.01.01.393	Payment of Tier I Registration Fee	This regulation is applicable to this facility.
Yes	58.01.01.394	Effect of Delinquency on Applications	This regulation is applicable to this facility.
No	58.01.01.395	Appeals	Currently there are no projects or circumstances existing at the facility that would subject U of I to these provisions. However, U of I reserves the right to use these provisions if future circumstances arise.
Yes	58.01.01.396	Exemptions	This regulation is applicable to this facility, particularly fugitive dust emissions.
No	58.01.01.397	Lump Sum Payments of Registration Fees	This regulation is not applicable to this facility.
No	58.01.01.398 -- 399	(Reserved)	

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	58.01.01.400	Procedures and Requirements for Tier II Operating Permits	This application is for the purposes of a Tier I Operating Permit renewal. This application does not seek a Tier II Operating Permit within the meaning of this section; therefore, these rules do not apply at this time. However, U of I reserves the right to use these provisions if future circumstances arise.
No	58.01.01.401	Tier II Operating Permit	This application is for the purposes of a Tier I Operating Permit renewal. This application does not seek a Tier II Operating Permit within the meaning of this section; therefore, these rules do not apply at this time. However, U of I reserves the right to use these provisions if future circumstances arise.
No	58.01.01.402	Application Procedures	This application is for the purposes of a Tier I Operating Permit renewal. This application does not seek a Tier II Operating Permit within the meaning of this section; therefore, these rules do not apply at this time.
No	58.01.01.403	Permit Requirements for Tier II Sources	This application is for the purposes of a Tier I Operating Permit renewal. This application does not seek a Tier II Operating Permit within the meaning of this section; therefore, these rules do not apply at this time.
No	58.01.01.404	Procedure for Issuing Permits	This application is for the purposes of a Tier I Operating Permit renewal. This application does not seek a Tier II Operating Permit within the meaning of this section. These regulations specify various requirements for the Department.
No	58.01.01.405	Conditions for Tier II Operating Permits	This application is for the purposes of a Tier I Operating Permit renewal. This application does not seek a Tier II Operating Permit within the meaning of this section; therefore, these rules do not apply at this time.
No	58.01.01.406	Obligation to Comply	This application is for the purposes of a Tier I Operating Permit renewal. This application does not seek a Tier II Operating Permit within the meaning of this section; therefore, these rules do not apply at this time.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	58.01.01.407	Tier II Operating Permit Processing Fee	This application is for the purposes of a Tier I Operating Permit renewal. This application does not seek a Tier II Operating Permit within the meaning of this section; therefore, these rules do not apply at this time.
No	58.01.01.408	Payment of Tier II Operating Permit Processing Fee	This application is for the purposes of a Tier I Operating Permit renewal. This application does not seek a Tier II Operating Permit within the meaning of this section; therefore, these rules do not apply at this time.
No	58.01.01.409	Receipt and Usage of Fees	This application is for the purposes of a Tier I Operating Permit renewal. This application does not seek a Tier II Operating Permit within the meaning of this section; therefore, these rules do not apply at this time.
No	58.01.01.410	Appeals	This application is for the purposes of a Tier I Operating Permit renewal. This application does not seek a Tier II Operating Permit within the meaning of this section; therefore, these rules do not apply at this time. However, U of I reserves the right to use these provisions if future circumstances arise.
No	58.01.01.411 -- 439	(Reserved)	
No	58.01.01.440	Requirements for Alternative Emission Limits (Bubbles)	Currently there are no projects or circumstances existing at the facility that would subject U of I to these provisions. However, U of I reserves the right to use these provisions if future circumstances arise.
No	58.01.01.441	Demonstration of Ambient Equivalence	Currently there are no projects or circumstances existing at the facility that would subject U of I to these provisions. However, U of I reserves the right to use these provisions if future circumstances arise.
No	58.01.01.442 -- 459	(Reserved)	
No	58.01.01.460	Requirements for Emission Reduction Credit	Currently there are no projects or circumstances existing at the facility that would subject U of I to these provisions. However, U of I reserves the right to use these provisions if future circumstances arise.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	58.01.01.461	Requirements for Banking Emission Reduction Credits (ERCs)	Currently there are no projects or circumstances existing at the facility that would subject U of I to these provisions. However, U of I reserves the right to use these provisions if future circumstances arise.
No	58.01.01.462 -- 499	(Reserved)	
No	58.01.01.500	Registration Procedures and Requirements for Portable Equipment	This regulation is not applicable to this facility.
No	58.01.01.501 -- 509	(Reserved)	
No	58.01.01.510 -- 516	Stack Heights and Dispersion Techniques, Applicability, Definitions, Requirements, Opportunity for Public Hearing, Approval of Field Studies and Fluid Models, No Restriction on Actual Stack Height	These regulations specify GEP for stack height determinations. This application is for the purposes of a Tier I Operating Permit renewal. No modifications to the stack height credit are being requested or identified at this time.
No	58.01.01.517 -- 549	(Reserved)	
No	58.01.01.550 – 553 58.01.01.554 – 555 (reserved) 58.01.01.556 --562	Air Pollution Emergency Rule, Episode Criteria, Stages, Effect of Stages, (Reserved), Criteria for Defining Levels Within Stages, Public Notification, Information to be Given, Manner and Frequency of Notification, Notification to Sources, General Rules, Specific Emergency Episode Abatement Plans for Point Sources	Currently there are no projects or circumstances existing at the facility that would subject U of I to these provisions. However, U of I recognizes the potential enforcement of these provisions if future circumstances arise.
No	58.01.01.563 -- 574	Transportation Conformity, Incorporation by Reference, Abbreviations, Definitions for the Purpose of Sections 563 Through 574 and 582, Agencies Affected by Consultation, ICC Member Roles in Consultation, ICC Member Responsibilities in Consultation, General Consultation Process, Consultation Procedures, Final Conformity Determinations by USDOT, Resolving Conflicts, Public Consultation Procedures	These regulations specify various requirements for the regulatory agencies. These regulations are not applicable to this facility.
No	58.01.01.575	Air Quality Standards and Area Classification	This is an introductory section and contains no requirements.
No	58.01.01.576	General Provisions for Ambient Air Quality Standards	These regulations set forth ambient air quality standards for the state, and contain no facility-specific requirements.
No	58.01.01.577	Ambient Air Quality Standards for Specific Air Pollutants	These regulations set forth ambient air quality standards for the state, and contain no facility-specific requirements.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	58.01.01.578	Designation of Attainment, Unclassifiable, and Nonattainment Areas	These regulations set forth ambient air quality standards for the state, and contain no facility-specific requirements.
No	58.01.01.579	Baselines for Prevention of Significant Deterioration	These regulations set forth ambient air quality standards for the state, and contain no facility-specific requirements.
No	58.01.01.580	Classification of Prevention of Significant Deterioration Areas	These regulations set forth ambient air quality standards for the state, and contain no facility-specific requirements.
No	58.01.01.581	Prevention of Significant Deterioration (PSD) Increments	These regulations set forth ambient air quality standards for the state, and contain no facility-specific requirements.
No	58.01.01.582	Interim Conformity Provisions for Northern Ada County Former Nonattainment Area for PM-10	These regulations set forth ambient air quality standards for the state, and contain no facility-specific requirements.
No	58.01.01.583 -- 584	(Reserved)	
No	58.01.01.585	Toxic Air Pollutants Non-carcinogenic Increments	These regulations set forth ambient air quality standards for the state, and contain no facility-specific requirements.
No	58.01.01.586	Toxic Air Pollutants Carcinogenic Increments	These regulations set forth ambient air quality standards for the state, and contain no facility-specific requirements.
No	58.01.01.587	Listing or Delisting Toxic Air Pollutant Increments	Currently there are no projects or circumstances existing at the facility that would subject U of I to these provisions. However, U of I reserves the right to use these provisions if future circumstances arise.
No	58.01.01.588 -- 589	(Reserved)	
No	58.01.01.590	New Source Performance Standards	<i>There are no emitting units at the facility that are subject to NSPS regulations. This regulation does not apply.</i>
No	58.01.01.591	National Emission Standards for Hazardous Air Pollutants	There are no emitting units at the facility that are subject to NESHAPs regulations. This regulation does not apply.
No	58.01.01.592 -- 599	(Reserved)	

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
Yes	58.01.01.600 – 603, 604 -- 605, 606 -- 616	Rules for Control of Open Burning, Fire Permits, Hazardous Materials, and Liability, Nonpreemption of Other Jurisdictions, General Restrictions, (Reserved), Categories of Allowable Burning, Recreational and Warming Fires, Weed Control Fires, Training Fires, Industrial Flares, Residential Solid Waste Disposal Fires, Landfill Disposal Site Fires, Orchard Fires, Prescribed Burning, Dangerous Material Fires, Infectious Waste Burning	This regulation is specified in the existing operating permit, and continues to be applicable to this facility.
Yes	58.01.01.617	Crop Residue Disposal	This facility will comply with these regulations in the unlikely event that crop residues require open burning.
No	58.01.01.618 -- 624	(Reserved)	
Yes	58.01.01.625	Visible Emissions	This regulation is specified in the existing operating permit, and continues to be applicable to this facility
No	58.01.01.626	General Restrictions on Visible Emissions From Wigwam Burners	The University does not own or operate a wigwam burner, therefore this regulation is applicable to this facility.
No	58.01.01.627 -- 649	(Reserved)	
Yes	58.01.01.650, 651	Rules for Control of Fugitive Dust, General Rules	This regulation is specified in the existing operating permit, and continues to be applicable to this facility
No	58.01.01.652 -- 664	(Reserved)	
No	58.01.01.665	Regional Haze Rules	These regulations specify various requirements for the Department.
No	58.01.01.666	Reasonable Progress Goals	These regulations specify various requirements for the Department.
No	58.01.01.667	Long-Term Strategy for Regional Haze	These regulations specify various requirements for the Department.
No	58.01.01.668	BART Requirement for Regional Haze	These regulations specify various requirements for the Department.
No	58.01.01.669 -- 674	(Reserved)	

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	58.01.01.675	Fuel Burning Equipment -- Particulate Matter	This is an introductory section and contains no requirements.
Yes	58.01.01.676	Standards for New Sources	This regulation is specified in the existing operating permit, and continues to be applicable to this facility, based on the date this facility's emitting units went online.
Yes	58.01.01.677	Standards for Minor and Existing Sources	This regulation is specified in the existing operating permit, and continues to be applicable to this facility
Yes	58.01.01.678	Combinations of Fuels	This regulation is applicable to this facility.
Yes	58.01.01.679	Averaging Period	This regulation is applicable to this facility.
Yes	58.01.01.680	Altitude Correction	This regulation is applicable to this facility.
Yes	58.01.01.681	Test Methods and Procedures	This regulation is applicable to this facility.
No	58.01.01.682 -- 699	(Reserved)	
Yes	58.01.01.700	Particulate Matter -- Process Weight Limitations	This regulation is applicable to this facility.
Yes	58.01.01.701	Particulate Matter -- New Equipment Process Weight Limitations	This regulation is applicable to this facility.
Yes	58.01.01.702	Particulate Matter -- Existing Equipment Process Weight Limitations	This regulation is applicable to this facility.
Yes	58.01.01.703	Particulate Matter -- Other Processes	This regulation is applicable to this facility.
No	58.01.01.704 -- 724	(Reserved)	
Yes	58.01.01.725	Rules for Sulfur Content of Fuels	This regulation is applicable to this facility.
No	58.01.01.726	Definitions as Used in Sections 727 Through 729	These regulations do not contain any requirements; they are definition sections.
No	58.01.01.727	Residual Fuel Oils	This facility does not use this type of fuel; therefore, these regulations do not apply.
Yes	58.01.01.728	Distillate Fuel Oil	This regulation is specified in the existing operating permit, and continues to be applicable to this facility.
No	58.01.01.729	Coal	This facility does not use this type of fuel; therefore, these regulations do not apply.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	58.01.01.730 -- 749	(Reserved)	
No	58.01.01.750	Rules for Control of Fluoride Emissions	This is an introductory section and contains no requirements.
No	58.01.01.751	General Rules	This facility does not operate this type of equipment; therefore, this regulation does not apply.
No	58.01.01.752 -- 759	(Reserved)	
No	58.01.01.760	Rules for the Control of Ammonia from Dairy Farms	This is an introductory section and contains no requirements.
No	58.01.01.761-764	General Applicability, Permit by Rule, Registration for Permit by Rule, Dairy Farm Best Management Practices	This facility does not operate this type of equipment; therefore, this regulation does not apply.
No	58.01.01.765 -- 774	(Reserved)	
Yes	58.01.01.775, 776	Rules for Control of Odors, General Rules	This regulation is specified in the existing operating permit, and continues to be applicable to this facility.
No	58.01.01.777 -- 784	(Reserved)	
Yes	58.01.01.785	Rules for Control of Incinerators	The U of I facility does incorporate two incinerators; therefore, this rule is applicable to the facility.
Yes	58.01.01.786	Emission Limits	The U of I facility does incorporate two incinerators; therefore, this rule is applicable to the facility.
Yes	58.01.01.787	Exceptions	The U of I facility does incorporate two incinerators; therefore, this rule is applicable to the facility.
No	58.01.01.788 -- 789	(Reserved)	
No	58.01.01.790 -- 799	Rules for the Control of Nonmetallic Mineral Processing Plants, General Control Requirements, Emissions Standards for Nonmetallic Mineral Processing Plants Subject to 40 CFR 60, Subpart OOO, Emissions Standards for Nonmetallic Mineral Processing Plants Not Subject to 40 CFR 60, Subpart OOO, Permit Requirements, Permit by Rule Requirements, Applicability, Registration for Permit by Rule, Electrical Generators, Nonmetallic Mineral Processing Plant Fugitive Dust Best Management Practice	This facility does not operate this type of equipment; therefore, these regulations do not apply.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	58.01.01.800 -- 802	Registration Fee for Permit by Rule, Payment of Fees for Permits by Rule Registration, Receipt and Usage of Fees	This application is for the purposes of a Title V operating permit renewal. This application does not seek a permit by rule; therefore, these regulations do not apply at this time.
No	58.01.01.803 -- 804	(Reserved)	
No	58.01.01.805 -- 808	Rules for Control of Hot-Mix Asphalt Plants, Emission Limits, Multiple Stacks, Fugitive Dust Control	This facility does not operate this type of equipment; therefore, these regulations do not apply.
No	58.01.01.809 -- 814	(Reserved)	
No	58.01.01.815 -- 826	Rules for Control of Kraft Pulping Mills, Statement of Policy, General Rules, Recovery Furnace Standards, Recovery Furnace TRS Standards, Digester and Evaporator Standards, Recovery Furnace Particulate Standards, Lime Kiln Standards, Smelt Tank Standards, Monitoring and Reporting, Special Studies, Exceptions	This facility does not operate this type of equipment; therefore, these regulations do not apply.
No	58.01.01.827 -- 834	(Reserved)	
No	58.01.01.835 -- 839	Rules for Control of Rendering Plants, Control of Cookers, Control of Expellers, Control of Plant Air, Exceptions	This facility does not operate this type of equipment; therefore, these regulations do not apply.
No	58.01.01.840 -- 844	(Reserved)	
No	58.01.01.845 -- 848	Rules for Control of Sulfur Oxide Emissions from Sulfuric Acid Plants, Emission Limits, Monitoring and Testing, Compliance Schedule	This facility does not operate this type of equipment; therefore, these regulations do not apply.
No	58.01.01.849 -- 854	(Reserved)	
No	58.01.01.855-858	Combined Zinc and Lead Smelters, Combined Zinc and Lead Smelters -- Control of Fugitive Sulfur Dioxide Emissions, Combined Zinc and Lead Smelters -- Oxides of Sulfur, Stack Monitoring Requirements	This facility does not operate this type of equipment; therefore, these regulations do not apply.
No	58.01.01.859	Standards of Performance for Municipal Solid Waste Landfills That Commenced Construction, Reconstruction or Modification on or after May 30, 1991	This facility does not operate this type of equipment; therefore, these regulations do not apply.
No	58.01.01.860	Emission Guidelines for Municipal Solid Waste Landfills That Commenced Construction, Reconstruction or Modification Before May 30, 1991	This facility does not operate this type of equipment; therefore, these regulations do not apply.

APPLICABLE REQUIREMENTS – Federal and Idaho Regulations

Applicable	Citation	Description	Comment
No	58.01.01.861	Standards of Performance for Hospital/Medical/ Infectious Waste Incinerators That Commenced Construction After June 20, 1996, or for Which Modification is Commenced After March 16, 1998	This facility does not operate this type of equipment; therefore, these regulations do not apply.
Yes	58.01.01.862	Emission Guidelines for Hospital/Medical/Infectious Waste Incinerators That Commenced Construction Before June 20, 1996	This facility is exempted from the emissions requirements of IDAPA 58.01.01.862 by complying with the exemption listed in IDAPA 58.01.01.862(2).
No	58.01.01.863 -- 999	(Reserved)	

The facility's 2008 and 2009 Tier I Operating Permit Statements of Basis, in Section 7 under Regulatory Analysis, clearly state that "NSPS and NESHAPS ... are not applicable to U of I", with more detail in Appendix b of each of those documents.

Newer NSPS and NESHAPS Rules documented below apply, or potentially apply, to the University..

Yes	NSPS Subpart IIII	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	The six facility emergency generators are subject only to provisions that apply to emergency generators 500kw and smaller.
Yes	NESHAPPS Subpart CCCCCC	National Emission Standards for hazardous Air Pollutants for source category: Gasoline Dispensing facilities	The facility is an area source potentially covered under GACT provisions for gasoline dispensing facilities
Yes	NESHAPPS Subpart JJJJJJ	Standards of Performance for Area Sources: Industrial, Commercial, and Institutional Boilers and Process heaters	Area source provisions apply only to the wood-fired boiler. The three natural gas fired boilers have no substantive requirements under this regulation.