



Document Number	Air Quality Permit Compliance SOP D.29.01
Owner/Contact Information:	Jon Soter
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Related Policies and Procedures	None

1. Purpose/Introduction

To establish a standard operating practice regarding the University of North Carolina at Greensboro’s compliance with Air Quality Permit regulations which apply to emissions from combustion of fuel in boilers, stationary standby/emergency generators, and other equipment.

2. Definitions

- 2.1 Air Quality Permit. The permit issued by the North Carolina Department of Environmental Quality (Authority Having Jurisdiction) and enforced by their Air Quality Division. The current Permit Number 09176R05 expires on March 31, 2024.
- 2.2 Red Binder. A three-ring binder with red cover kept available during all business hours for inspection by the Authority Having Jurisdiction during their unannounced inspection visits. The binder contains crucial documentation for permit compliance.
- 2.3 Emission Source ID List. The official list of all boilers, generators, and other equipment operated by UNCG. The list is maintained by the Campus Mechanical Engineer. See Appendix A.
- 2.4 Fuel Purchase Spreadsheet. The official ledger listing supplier/vendor, \$ cost, quantity of fuel purchased, and location where each fuel delivery occurred. The ledger records the number of gallons of fuel delivered to each generator, Steam Plant fuel tank, etc. The spreadsheet/ledger is maintained by Facilities Operations Accounting personnel. See Appendix B.
- 2.5 Generator Runtime Log. A spreadsheet where the Generator Technician records monthly runtime meter readings of each generator to document the number of hours each generator is operated (combusting fuel) each month. See Appendix C.
- 2.6 Steam Plant Boiler Operations Log. A spreadsheet where the Steam Plant Supervisor or designee records daily/monthly boiler operating parameters, including quantity of fuel combusted, both natural gas and No. 2 fuel oil. See Appendix D.
- 2.7 Emissions Calculation Spreadsheet. The official spreadsheet listing all emission sources with monthly generator runtimes (diesel), monthly generator natural gas consumption, and monthly fuel consumption of Steam Plant boilers. Year-to-Date totals are for calendar year, which

matches the Air Quality Permit reporting year. This spreadsheet is maintained by the Campus Mechanical Engineer (This is a CHANGE – currently being done by Facilities Operations Accounting personnel). See Appendix E.

2.8 Compliance Personnel. Key UNCG personnel responsible for Air Quality Permit compliance include:

- 2.8.1 Generator Technician
- 2.8.2 Steam Plant Supervisor
- 2.8.3 Accountant
- 2.8.4 Campus Mechanical Engineer
- 2.8.5 Director of Facilities Operations

3. Procedural Steps

3.1 Generator Technician Responsibilities.

- 3.1.1 Maintain all generators in good running order and address any smoky or anomalous emissions immediately.
- 3.1.2 Monthly update the Generator Runtime Log with current runtime meter readings of each generator. Check readings to identify any runtime meters that are no longer working properly.
- 3.1.3 Immediately repair or replace any runtime meters that are no longer working properly and update the Generator Runtime Log with the new runtime meter reading and a note documenting the date the runtime meter was replaced.
- 3.1.4 Monthly forward a copy of the Generator Runtime Log to the Campus Mechanical Engineer (This is a CHANGE from currently forwarding the log to the Accountant).
- 3.1.5 Coordinate with fuel supplier for periodic fuel deliveries to generators. Write the generator location on each original fuel ticket provided by the fuel supplier which indicates not only the quantity of fuel delivered to each generator but also the specific fuel characteristics. Typically, the preferred fuel is ultra-low sulfur diesel for compliance with the Air Quality Permit.
- 3.1.6 Forward all original fuel tickets to the Accountant.
- 3.1.7 Escort the Authority Having Jurisdiction to generators of interest during their unannounced inspection visits.
- 3.1.8 Participate in contractor load test of new generators and obtain and forward the following information to the Campus Mechanical Engineer:
 - 3.1.8.1 Generator location
 - 3.1.8.2 Year Manufactured
 - 3.1.8.3 Manufacturer & Model Number
 - 3.1.8.4 Serial Number
 - 3.1.8.5 kiloWatt (kW) Rating
 - 3.1.8.6 Fuel Source
 - 3.1.8.7 Base Tank Size if Diesel (No. 2 Fuel Oil)
 - 3.1.8.8 Diesel Supplier's Fuel Ticket from Initial Filling of Tank
 - 3.1.8.9 Manufacturer's EPA Exhaust Emission Compliance Statement

3.2 Steam Plant Supervisor Responsibilities.

- 3.2.1 Coordinate with fuel supplier for periodic No. 2 fuel oil deliveries. Write the tank number in which the fuel was placed on each manifest (Bill of Lading) provided by the supplier. Run a copy of each manifest and update the Steam Plant In-House Fuel Delivery Log for supplier, delivery date, quantity, and tank number of each delivery. See Appendix F.
- 3.2.2 Forward the original No. 2 fuel oil delivery manifests to the Accountant.
- 3.2.3 Maintain all boilers and associated equipment in good operational condition and address any smoky or anomalous emissions immediately.
- 3.2.4 Conduct periodic fugitive or smoke emission inspections as required by the Air Quality Permit and place a copy of the documentation in the Red Binder.
- 3.2.5 Daily update the Steam Plant Boiler Operations Log with the following information for each boiler.
 - 3.2.5.1 Steam generated
 - 3.2.5.2 Natural Gas consumed (cubic feet)
 - 3.2.5.3 No. 2 Fuel Oil consumed (gallons)
 - 3.2.5.4 Total makeup water for Steam Plant
- 3.2.6 Monthly forward a copy of the Steam Plant Boiler Operations Log to the Campus Mechanical Engineer (This is a CHANGE – do not forward the log to the Accountant).
- 3.2.7 Escort the Authority Having Jurisdiction through the Steam Plant during their unannounced inspection visits.

3.3 Accountant Responsibilities.

- 3.3.3 Receive original generator fuel tickets from the Generator Technician and update the Fuel Purchase Spreadsheet with supplier/vendor, \$ cost, quantity of fuel purchased, and location where each fuel delivery occurred, including gallons for each generator.
- 3.3.4 Place original generator fuel tickets in the Red Binder along with at least a monthly printout of the Fuel Purchase Spreadsheet.
- 3.3.5 Receive original No. 2 fuel oil delivery manifests (Bill of Lading) from the Steam Plant Supervisor and update the Fuel Purchase Spreadsheet with supplier/vendor, \$ cost, quantity of fuel purchased, and location where each fuel delivery occurred.
- 3.3.6 Place original No. 2 fuel oil delivery manifests matched with their invoices in the Red Binder along with at least a monthly printout of the Fuel Purchase Spreadsheet.
- 3.3.7 Monthly update the natural gas purchase spreadsheet with location-specific quantities of natural gas consumed (therms) and the cost thereof. Place a monthly printout in the Red Binder.

3.4 Campus Mechanical Engineer Responsibilities.

- 3.4.3 Prepare Semi-Annual Air Quality Permit Reports using information gathered from this SOP and submit two (2) copies to the Authority Having Jurisdiction not later than January 30 and July 30 of each year.
- 3.4.4 Place a copy of each Semi-Annual Air Quality Permit Report in the Red Binder.
- 3.4.5 Periodically update the Emission Source ID List as needed to add new generators or to delete equipment taken out of service and place a printout of the current version in the Red Binder.

- 3.4.6 Receive Generator Runtime Log monthly update from the Generator Technician, place a printout in the Red Binder, and update the Emissions Calculation Spreadsheet (This is a CHANGE – currently being done by Facilities Operations Accounting personnel).
- 3.4.7 Receive Steam Plant Boiler Operations Log monthly update from the Steam Plant Supervisor and update the Emissions Calculation Spreadsheet (This is a CHANGE – currently being done by Facilities Operations Accounting personnel).
- 3.4.8 Place a monthly printout of the current calendar year Emissions Calculation Spreadsheet in the Red Binder (This is a CHANGE – currently being done by Facilities Operations Accounting personnel).

3.5 Director of Facilities Operations Responsibilities.

- 3.5.3 Ensure the Red Binder is kept available during all business hours for inspection by the Authority Having Jurisdiction during their unannounced inspection visits.

4 Appendices

The following appendices are included to show the current format of the lists, logs, and spreadsheets referenced in this SOP.

- Appendix A Emission Source ID List
- Appendix B Fuel Purchase Spreadsheet
- Appendix C Generator Runtime Log
- Appendix D Steam Plant Boiler Operations Log
- Appendix E Emissions Calculation Spreadsheet
- Appendix F Steam Plant In-House Fuel Delivery Log

5 Revision Table

Revision #	Section #	Summary of Changes	Approval Date
D.29.01		Established a SOP regarding the UNC Greensboro’s compliance with Air Quality Permit regulations.	02/01/20

Appendix A Emission Source ID List

Emission Source Description			NCDEQ Emission Source ID #
STEAM PLANT BOILERS			
BOILER-1			ES01
BOILER-2			ES02
BOILER-3			ES03
BOILER-4			ES04
GENERATORS			
	kW	FUEL	
STEAM PLANT	600	#2	ES05
McNUTT BLDG (Data Center)	800	#2	ES07
EXEMPTED GENERATORS			
	KW	FUEL	
UNCG AUDITORIUM (formerly Au)	125	NAT GAS	I-EG-1a
BASEBALL	80	NAT GAS	I-EG-14
BRYAN	150	#2	I-EG-2
BRYAN DATA CENTER	400	#2	I-EG-27
BRYAN (SPARE)	135	NAT GAS	I-EG-28
CHEMICAL STORAGE (Safety)	60	NAT GAS	I-EG-15
CONE ART (Weatherspoon)	30	#2	I-EG-3
CONE RESIDENCE HALL	80	#2	I-EG-49 (2017)
DINING HALL - MORAN COMM	250	#2	I-EG-37 (2012)
EUC - Elliott University Center	135	NAT GAS	I-EG-16
EBERHART	400	NAT GAS	I-EG-12
FERGUSON	125	#2	I-EG-6
FORNEY	150	NAT GAS	I-EG-29
GRAHAM	20	PROPANE	I-EG-17
GROGAN RESIDENCE HALL	250	#2	I-EG-44 (2014)
HAYWOOD RESIDENCE HALL	80	#2	I-EG-39 (2013)
HIGHLAND RESIDENCE HALL	80	#2	I-EG-41 (2013)
COLEMAN Building (formerly HH)	75	#2	I-EG-7
HUMANITIES	125	NAT GAS	I-EG-30
JACKSON LIBRARY	35	NAT GAS	I-EG-18
JEFFERSON SUITES	125	#2	I-EG-35
LEE RESIDENCE HALL	80	#2	I-EG-38 (2013)
LEXINGTON RESIDENCE HALL	150	#2	I-EG-48 (2017)
LOFTS ON LEE	60	#2	I-EG-36 (2012)
McIVER DECK	100	NAT GAS	I-EG-19
McCORMICK RESIDENCE HALL	150	#2	I-EG-47 (2017)
MOORE-STRONG RESIDENCE	35	#2	I-EG-8
MOORE NURSING	20	NAT GAS	I-EG-20
MOSSMAN BUILDING	25	NAT GAS	I-EG-45 (2015)
MUSIC BLDG	60	NAT GAS	I-EG-21
OAKLAND DECK	200	NAT GAS	I-EG-31
PHILLIPS-HAWKINS Residence H	100	#2	I-EG-50 (2018)
996 Spring Garden Street Bldg	30	NAT GAS	I-EG-22
REYNOLDS RESIDENCE HALL	125	NAT GAS	I-EG-42 (2013)
SULLIVAN SCIENCE BLDG	325	NAT GAS	I-EG-32
1510 Walker Avenue Bldg (Was SP	100	#2	I-EG-11
SINK	80	NAT GAS	I-EG-23
SOCCER	40	#2	I-EG-10
STONE	200	#2	I-EG-34
KAPLAN CFw (Student Recreati	150	#2	I-EG-46 (2015)
STUDIO ARTS	350	#2	I-EG-33
TOWER VILLAGE	20	NAT GAS	I-EG-25
UNCG POLICE BUILDING	550	#2	I-EG-43 (2013)
UNION RESIDENCE HALL	80	#2	I-EG-40 (2013)
WALKER DECK	200	#2	I-EG-13
WEIL-WINFIELD RESIDENCE HA	150	#2	I-EG-51
BOILERS			
	MBTU/hr	FUEL	
915 NORTHBRIDGE ST	2.52	NAT GAS	I-B-2
1100 WEST MARKET ST	1.75	NAT GAS	I-B-3
CHEMICAL STORAGE	5.22	NAT GAS	I-B-4
TOWER VILLAGE	2.72	NAT GAS	I-B-1
UNCG POLICE BUILDING	2 @ 0.75 each	NAT GAS	I-B-5 & I-B-6
KAPLAN CFw (Student Recreati	5 @ 2.0 each	NAT GAS	I-B-7, 8, 9, 10, & 11

Appendix B Fuel Purchase Spreadsheet

DATE	Reference	Charged to Fund #	Bill To	Vendor	Description	Fuel #2 or #5 - Not Steam Plant		#2 - Steam Plant		#2 or Propane for Heat (to be billed with Utility Billing)		Propane - for Generators	
						# Gallons	Cost	# Gallons	Cost	# Gallons	Cost	# Gallons	Cost
Cleared FY20 in Genia													
11/7/2019	PC-468880	117504	Ferrelgas		duplicate payment to Ferrelgas								
11/8/2019	P0051661	117508	Sampson-Bladen		Fuel Oil Invoice #0237396-01			7470	\$ 14,969.14				
11/13/2019	PC-469726	117508	Ferrelgas		Heating propane for turf shop					203.3	172.85		
11/15/2019	PC-470135	117508	Ferrelgas		Heating propane for turf shop					36.2	34.44		
11/12/2019	P0051817	117505 pp-219449	Berco Fuels		Coleman Gym	76.3	\$ 206.44						
		117505 pp-219452	Berco Fuels		McNutt	587.4	\$ 1,589.27						
		117505 pp-219455	Berco Fuels		Bryan Bldg	145.1	\$ 392.58						
		117505 pp-219458	Berco Fuels		Ferguson	233.4	\$ 631.49						
		117505 pp-219460	Berco Fuels		Cone Art	64.4	\$ 174.24						
11/15/2019	P0051835	117505	Berco Fuels		Campus Police	172	\$ 455.36						
		117505	Berco Fuels		Bryan Data	267	\$ 776.51						
		117505 pp-219815	Berco Fuels		Dinng	144	\$ 389.61						
		117505 pp-219817	Berco Fuels		Union	22.4	\$ 60.61						
		117505 pp-219819	Berco Fuels		Hazywood	37.5	\$ 101.46						
		117505 pp-219820	Berco Fuels		Lee	30.1	\$ 81.44						
		117505 pp-219819	Berco Fuels		Highland	43.2	\$ 116.88						
		117505 pp-219822	Berco Fuels		Grogan	100.6	\$ 272.18						
		117505 pp-219823	Berco Fuels		Cone	55.7	\$ 150.70						
		117505 pp-219824	Berco Fuels		Philip Hawkins	43.4	\$ 117.42						
		117505 pp-219825	Berco Fuels		Moore	12.4	\$ 33.55						
		130035	Berco Fuels		diesel fuel for Kaplan generator	35.3	\$ 95.51						
		130094	Berco Fuels		diesel fuel for Soccer Stadium	35.7	\$ 96.59						
11/26/2019	P0049785	117508	Ferrelgas		heating for turf shop					80.2	73.94		
			Ferrelgas		heating for turf shop					34.1	31.78		
11/27/2019	PO49785	117508											

Appendix C Generator Runtime Log

		Building	LOCATION	October-19	November-19	Monthly Run Time
WEDNESDAY	8:00	135	SOCCER FIELD	1,914.4	1917.4	3.0
MONDAY	4:00	134	1510 Walker (formerly SRF)	2,067.7	2070.9	3.2
MONDAY	9:00	58	GRAHAM	1,095.4	1098.4	3.0
MONDAY	7:00	98	COLEMAN (HHP)	1,309.7	1311.8	2.1
MONDAY	14:30	40	EUC	866.7	869.2	2.5
TUESDAY	7:00	48	SINK	941.1	944.1	3.0
TUESDAY	5:00	56	MOORE NURSING	1,360.1	1363.5	3.4
WEDNESDAY	1:30	20	GROGAN	223.0	225.8	2.8
TUESDAY	9:00	137	TOWER VILLAGE	1,199.8	1201.9	2.1
TUESDAY	6:00	174	CHEMICAL STORAGE	1,058.0	1061	3.0
TUESDAY	9:00	177	BASEBALL	644.5	646.4	1.9
WEDNESDAY	6:00	39	LIBRARY	341.5	343.9	2.4
WEDNESDAY	8:00	82	BRYAN B&E	2,061.5	2064.5	3.0
WEDNESDAY	6:00	99	CONE ART	958.2	960.9	2.7
WEDNESDAY	6:00	169	McIVER DECK	1,196.5	1199.7	3.2
WEDNESDAY	13:00	31	STONE BLDG	1,030.2	1033.2	3.0
WEDNESDAY	4:00	141	WALKER DECK	1,318.5	1319.4	0.9
THURSDAY	7:00	63	EBERHART BLDG	734.4	737.2	2.8
THURSDAY	7:00	34	University Auditorium (former AYCOCK)	439.6	443.2	3.6
WEDNESDAY	6:00	22	DINING HALL NEW	368.4	371.4	3.04
FRIDAY	9:00	304	CAMPUS POLICE BUILDING	222.7	225.3	2.6
THURSDAY	13:00	80	MOSSMAN BLDG	190.1	193.5	3.4
FRIDAY	9:00	89	996 TATE ST	148.5	151.5	3.0
TUESDAY	7:00	86	FERGUSON	593.2	593.9	0.7
FRIDAY	14:15	13	MOORE STRONG	966.1	968	1.9
FRIDAY	8:15	170	MUSIC BLDG	780.1	782.2	2.1
ANY TIME	anytime	49	STEAM PLANT	423.2	426	2.8
TUESDAY	7:00	178	SULLIVAN SCIENCE	811.0	814	3.0
TUESDAY	7:00	252	OAKLAND DECK	194.9	203.6	8.7
TUESDAY	7:00	82 C	B&E COMPUTER	451.6	455.4	3.8
THURSDAY	5:00	37	FORNEY	594.2	597.5	3.3
THURSDAY	2:30	200	LEE RES HALL	379.3	383.5	4.2
WEDNESDAY	2:30	202	HAYWOOD RES HALL	355.3	360.6	5.3
THURSDAY	1:30	201	HIGHLAND RES HALL	393.4	398.4	5.0
WEDNESDAY	1:30	203	UNION RES HALL	240.3	242.9	2.6
THURSDAY	6:00	247	STUDIO ARTS	907.1	909.9	2.8
TUESDAY	6:00	246	HUMANITIES	804.2	808	3.8
THURSDAY	5:00	57	McNUTT	170.4	178.2	7.8
THURSDAY	1:00	238	JEFFERSON SUITES	384.7	387.3	2.6
WEDNESDAY	1:00	239	LOFTS ON LEE	358.0	360.7	2.7
WEDNESDAY	1:30	19	REYNOLDS DORM	216.0	220.1	4.1
MONDAY	1:30	308	KAPLAN WELLNESS CENTER	144.4	148.6	4.2
FRIDAY	13:00	205	LEXINGTON BLDG	101.0	104.3	3.3
THURSDAY	10:00	204	McCORMICK BLDG	105.2	107.9	2.7
TUESDAY	10:00	21	CONE DORM	78.7	83.2	4.5
THURSDAY	13:00	15	PHILLIPS-HAWKINS DORM	38.4	41.6	3.2

Appendix E Emissions Calculation Spreadsheet

October-19		SULFUR CONTENT OF #2 FUEL (%)		0.0015						MCDEQ
		SULFUR CONTENT OF NAT GAS		0.00						Source
Source			HRS	NAT GAS CU FT	#2 GALS	SO2 LBS	NOX LBS	CO LBS		
STEAM PLANT BOILERS										
BOILER-1				236,806	0	0.14	23.68	19.89		ES01
BOILER-2				5,772,597	0	3.46	577.26	484.90		ES02
BOILER-3				11,446,426	0	6.87	1,144.64	961.50		ES03
BOILER-4				7,151,170	0	4.29	357.56	600.70		ES04
EXEMPTED GENERATORS										
	Kw	FUEL								
BASEBALL	80	NAT GAS	1.91	700		0.00	6.32	1.36		I-EG-14
BRYAN (B & E)	150	#2	3.0			0.73	18.71	4.03		I-EG-2
BRYAN COMPUTER (B&E)	400	#2	3.8			2.47	63.19	13.62		I-EG-27
UNCG POLICE 1200 W LEE (new	550	#2	2.6			2.32	59.45	12.81		I-EG-43
CHEMICAL STORAGE	60	NAT GAS	3.0	1000		0.00	7.48	1.61		I-EG-15
CONE ART	30	#2	2.7			0.13	3.37	0.73		I-EG-3
CONE RES HALL (new 2018)	80	#2	4.5			0.58	14.97	3.22		
DINING HALL-MORAN COMM	250	#2	3.0			1.23	31.59	6.81		I-EG-37
EUC	135	NAT GAS	2.5	72100		0.00	14.03	3.02		I-EG-16
EBERHART	400	NAT GAS	2.8	6400		0.00	46.56	10.03		I-EG-12
FERGUSON	125	#2	0.7			0.14	3.64	0.78		I-EG-6
FORNEY	150	NAT GAS	3.3	1500		0.00	20.58	4.43		I-EG-29
GROGAN (new 2014)	250	#2	2.8			1.14	29.10	6.27		I-EG-44
GRAHAM	20	PROPANE	3.0	0		0.00	2.49	0.54		I-EG-17
HAYWOOD RES HALL (new 2013)	80	#2	5.3			0.63	8.81	3.80		I-EG-39
COLEMAN (formerly HHP)	75	#2	2.1			0.26	3.27	1.41		I-EG-7
HIGHLAND RES HALL (new 2013)	80	#2	5.0			0.65	8.31	3.58		I-EG-41
HUMANITIES	125	NAT GAS	3.8	1100		0.00	9.87	4.25		I-EG-30
JACKSON LIBRARY	35	NAT GAS	2.4	300		0.00	1.75	0.75		I-EG-18
JEFFERSON SUITES	125	#2	2.6			0.53	6.76	2.91		I-EG-35
LEE RESIDENCE HALL (new 201	80	#2	4.2			0.55	6.98	3.01		I-EG-38
LEXINGTON RES HALL (new 201	150	#2	3.3			0.80	10.29	4.43		I-EG-46
LOFTS ON LEE (new 2012)	60	#2	2.7			0.26	3.37	1.45		I-EG-36
MCCORMICK RES HALL (new 21	150	#2	2.7			0.66	8.42	3.63		I-EG-47
McIVER DECK	100	NAT GAS	3.2	2100		0.00	6.65	2.87		I-EG-19
McNUTT BLDG	800	#2	7.8			10.13	129.70	55.90		ES07
MOSSMAN (new 10/2015)	25	NAT GAS	3.4	600		0.00	1.77	0.76		I-EG-45
MOORE-STRONG	35	#2	1.9			0.11	1.38	0.60		I-EG-8
MOORE NURSING	20	NAT GAS	3.4	300		0.00	1.41	0.61		I-EG-20
MUSIC BLDG	60	NAT GAS	2.1	1000		0.00	2.62	1.13		I-EG-21
OAKLAND DECK	200	NAT GAS	8.7	4000		0.00	36.17	15.59		I-EG-31
996 SPRING GARDEN STREET	30	NAT GAS	3.0	500		0.00	1.87	0.81		I-EG-22
PHILLIPS-HAWKINS RES HALL	100	#2	3.2			0.52	6.65	2.87		I-EG-50
REYNOLDS RESIDENCE HALL	125	NAT GAS	4.1	1400		0.00	10.65	4.59		I-EG-42
SULLIVAN SCIENCE	325	NAT GAS	3.0	4700		0.00	20.27	8.73		I-EG-32
1510 WALKER (formerly SRF)	100	#2	3.2			0.52	6.65	2.87		I-EG-11
KAPLAN WELLNESS CTR (new	150	#2	4.2			1.02	13.09	5.64		I-EG-46
SINK	80	NAT GAS	3.0	1400		0.00	4.99	2.15		I-EG-23
SOCCER FIELD	40	#2	3.0			0.19	2.49	1.07		I-EG-10
STEAM PLANT	600	#2	2.8			2.73	34.92	15.05		ES05
STONE	200	#2	3.0			0.97	12.47	5.37		I-EG-34
STUDIO ARTS	350	#2	2.8			1.59	20.37	8.78		I-EG-33
TOWER VILLAGE	20	NAT GAS	2.1	1000		0.00	0.87	0.38		I-EG-25
UNIVERSITY AUDITORIUM (for	125	NAT GAS	3.6	800		0.00	18.71	4.03		I-EG-1s
UNION RES HALL (new 2013)	80	#2	2.6			0.34	4.32	1.86		I-EG-40
WALKER DECK	200	#2	0.9			0.29	3.74	1.61		I-EG-13
WEIL WINFIELD	150	#2	2.8			0.68	8.73	3.76		I-EG-51
BOILERS										
	MBTU/hr	FUEL								
315 NORTHBRIDGE	2.52	NAT GAS		1100		0.0007	0.11	0.09		I-B-2
1100 W MARKET	1.75	NAT GAS		162200		0.0973	16.22	13.62		I-B-3
CHEMICAL STORAGE	5.22	NAT GAS		4700		0.0028	0.47	0.39		I-B-4
TOWER VILLAGE	2.72	NAT GAS		45800		0.0275	4.58	3.85		I-B-1
UNCG POLICE BLDG (1200 W G	15	NAT GAS		39500		0.0237	3.95	3.32		I-B-5 & 6
KAPLAN WELLNESS CTR	10	NAT GAS		2973605		1.7842	297.36	249.78		I-B-7 to 11

