Air Quality Operating Permit Application Form

Lincoln-Lancaster County Health Department
Environmental Public Health Division - Air Quality Program
Lincoln, NE 68510
ph: (402) 441-8040 fax: (402) 441-3890
http://www.lincoln.ne.gov/city/health/environ/air.htm

Purpose of Application:

- ☐ Initial Operating Permit
- ☐ Operating Permit Modification
- ☑ Operating Permit Renewal
- ☑ Revise Previously Submitted Application

SECTION 1: ADMINISTRATIVE INFORMATION AND RESPONSIBLE OFFICIAL CERTIFICATION

Part A: Company Information

Company Name:	Board of Regents of the University of Nebraska-Lincoln (City Campus)				
Company Address:	3630 East Campus Loop				
Company City:	Lincoln	**Company State:**	Nebraska	**Company ZIP:**	68583-0824
Is the business incorporated?	☐ Yes ☑ No				

Part B: General Facility Information

Facility Name:	Board of Regents of the University of Nebraska-Lincoln (City Campus)				
LLCHD Facility ID #:	00012				
Facility Physical Address:	14th & Avery St				
Facility City:	Lincoln	**Facility State:**	Nebraska	**Facility ZIP:**	68588-0215
Facility NAICS Code(s):	611310	Colleges, Universities, and Professional Schools			
Is the facility located within 50 miles of another state?	☑ Yes ☐ No	**If so, which state(s)?**	☑ Iowa ☐ Kansas ☐ Missouri		
Is the facility located on leased property?	☐ Yes ☑ No				

Part C: Contact Information

Facility Contact Person:	Brenda Osthus		
Facility Contact Person Title or Responsibility:	Director of Environmental Health & Safety		
Phone Number:	(402) 472-4927	**E-Mail:**	bosthus@unl.edu
Alternate Phone Number: *(optional)*	(402) 472-4925	**Fax Number:** *(optional)*	(402) 472-9650
Who is the primary contact for questions regarding this application?	☐ Facility Contact Person ☑ Other	**If other, provide the following information:**	
Primary Contact Person:	Zuleika Doremus		
Primary Contact Person Company: (if different)	Environmental Health & Safety		
Phone Number:	(402) 472-9552	**E-Mail:**	zdoremus@unl.edu
Alternate Phone Number: (optional)	(402) 472-4925	**Fax Number: (optional)**	(402) 472-9650

SECTION 1: ADMINISTRATIVE INFORMATION AND RESPONSIBLE OFFICIAL CERTIFICATION

Part D: Permit Information

Does this facility currently hold an operating permit issued by the LLCHD?		☑ Yes	☐ No
If so, what type of operating permit does the facility hold?	☑ Class I (Title V) - Major Source ☐ Class II - Synthetic Minor Source	☐ Class II - Minor Source	
What is the expiration date of the operating permit you currently hold?		11/1/2020	
Does this facility currently hold one or more construction permits issued by the LLCHD?		☑ Yes	☐ No
If so, list the numbers for all currently effective construction permits. Do not include superceded permits.	85	172D	
If you know what type of permit you are applying for, check the appropriate box:	☑ Class I (Title V) - Major Source ☐ Class II - Synthetic Minor Source	☐ Class II - Minor Source ☐ I do not know permit type.	

Part E: Responsible Official Certification

Compliance Certification ☑ Agree ☐ Disagree	I hereby certify that, based on information and belief formed after reasonable inquiry, the facility that emits air pollutants, which is identified in this application and that is subject to the applicable requirements identified in Section 9: 1. Is in compliance with all applicable requirements, except as described in Section 9; 2. Will continue to comply with all applicable requirements for which compliance has been achieved; and, 3. Will comply with all applicable requirements for which compliance is not currently achieved
Truth and Accuracy Certification ☑ Agree ☐ Disagree	I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained in this Air Quality Operating Permit application are true, complete, and accurate. I certify that all hard copies of this application are identical in content.
Electronic Copy Certification ☑ Agree ☐ Disagree ☐ Not Applicable	I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained in the electronic copy of the Air Quality Operating Permit application are identical in content to the hard copy submittal.
Citizenship Attestation ☑ Agree ☐ Disagree	For the purpose of complying with Neb. Rev. Stat. §§4-108 through 4-114, I attest as follows *(check one)*: ☑ **I am a citizen of the United States.** OR ☐ **I am a qualified alien under the federal Immigration and Nationality Act, and will provide my immigration status, alien number, and USCIS documentation upon request.** I hereby attest that my responses and the information provided on this form and any related application for public benefits are true, complete, and accurate, and I understand that this information may be used to verify my lawful presence in the United States.
Responsible Official Name: (printed or typed)	Brenda Osthus
Responsible Official Title:	Director of Environmental Health & Safety
Responsible Official Signature:	
Date:	May 1, 2020

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SECTION 2: DETAILED SOURCE INFORMATION

Part A: Operating Schedule

Is this source operated seasonally, or year-round?	☐ Seasonal ☑ Year-Round	
Provide the normal operating schedule:	**Hours per Day:**	**24**
	Days per Week:	**7**
	Weeks per Year:	**52**
Does the source operate under an alternative schedule on a regular basis?	☐ Yes ☑ No	

Part B: New Process Description

On separate sheet(s) of paper, provide a detailed narrative description of the process or equipmen you are planning to construct/reconstruct/modify. Explain the stages in each process that may result in the discharge of an air pollutant. Include all emission points, emission units, pollution control equipment, and identification numbers. The narrative should complement the facility layout and process flow diagrams.

Is a New Process Description attached to your application?	☑ Yes ☐ No	

Part C: Process Layout Diagram

On a separate sheet(s) of paper, provide a detailed diagram or drawing that includes all processes and/or equipment identified in this application. Make sure all elements in the drawing are properly identified, drawn to scale, and consistent with other sections of this application. The diagram should show the location of all new/modified buildings, structures, stacks, and property boundaries. Fences or other public access restrictions should be shown or identified and described. Be sure to identify adjacent roads and include a north arrow. Include an effective date for the diagram.

Is a Process Layout Diagram included with your application?	☑ Yes ☐ No	

Part D: Facility Description

On separate sheet(s) of paper, provide a brief narrative description of the facility. Explain the stages in each process that may result in the discharge of an air pollutant. Include all emission points, emission units, pollution control equipment, and identification numbers. The narrative should complement the facility layout and process flow diagrams.

Is a Facility Description included with your application?	☑ Yes ☐ No	

SECTION 2: DETAILED SOURCE INFORMATION

Part E: Emission Calculations

Indicate which method(s) will be used to calculate emissions: (check all that apply)

☑ **AP-42 or WebFIRE Emission Factors**	
☑ **Emission Factors from Stack Testing ***	
☐ **Material Mass-Balance Calculations ***	
☐ **Other** (specify >>>>) *	
☐ **Other** (specify >>>>) *	
☐ **Other** (specify >>>>) *	

If using emission factors or calculation methods other than those provided in AP-42 or WebFIRE, attach a copy of any alternate emission factors (including stack test results) and/or emission calculations as an attachment to this application.

Indicate how material and/or fuel use will be substantiated:

☑ **Material / Fuel Supplier Record(s)**	
☑ **Material / Fuel Use Logbook(s)**	
☐ **Receiving / Load-Out Scale Tickets**	
☐ **Other** (specify >>>>)	
☐ **Other** (specify >>>>)	
☐ **Other** (specify >>>>)	

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SECTION 3 – EMISSION POINT SUMMARY

Table 3-A: Emission Unit Identification

Emission Unit #		Source Classification Code # (SCC)	Emission Point Description	Emission Segment Description
Point #	Segment #			
Boiler Units				
1	1	1-03-005-02	99.8 MMBtu/hr Boiler - Boiler #1	No. 2 Oil
1	2	1-03-006-02	99.8 MMBtu/hr Boiler - Boiler #1	Natural Gas
2	1	1-03-005-02	99.8 MMBtu/hr Boiler - Boiler #2	No. 2 Oil
2	2	1-03-006-02	99.8 MMBtu/hr Boiler - Boiler #2	Natural Gas
3	1	1-03-005-03	99.8 MMBtu/hr Boiler - Boiler #8	Distillate Oil/Biodiesel
3	2	1-03-006-02	99.8 MMBtu/hr Boiler - Boiler #8	Natural Gas
4	1	1-03-005-02	99.8 MMBtu/hr Boiler - Boiler #7	No. 2 Oil
4	2	1-03-006-02	99.8 MMBtu/hr Boiler - Boiler #7	Natural Gas
Cooling Tower (CT) Units				
5	1	3-85-001-01	17,250 gal/min Cooling Tower (CT-1 East)	Mechanical Draft
5	2	3-85-001-01	33,000 gal/min Cooling Tower (CT-2 North)	Mechanical Draft
5	3	3-85-001-01	26,000 gal/min Cooling Tower (CT-3 West)	Mechanical Draft
Emergency Electrical Generation (EEG) Units				
6	1	2-02-002-53	EEG Unit #1 - Anderson Hall (55 hp / 33 kW)	Natural Gas
6	2	2-02-002-53	EEG Unit #2 - Burnett Hall (90 hp / 60 kW)	Natural Gas
6	3	2-02-002-53	EEG Unit #3 - Richards Hall (23 hp / 15 kW)	Natural Gas
6	4	2-02-002-53	EEG Unit #4 - Stadium Drive Parking Garage (120 hp / 80 kW)	Natural Gas
6	5	2-02-004-01	EEG Unit #5 - 17th & R Street Parking Garage (610 hp / 400 kW)	No. 2 Fuel Oil
6	6	2-02-002-53	EEG Unit #6 - Teachers College (55 hp / 25 kW)	Natural Gas
6	7	2-02-002-53	EEG Unit #7 - Nebraska Union (102 hp / 60 kW)	Natural Gas
6	8	2-02-002-53	EEG Unit #8 - Ross Van Brundt Visitor Center (150 hp / 100 kW)	Natural Gas
6	9	2-02-001-02	EEG Unit #9 - College of Business Admin (86 hp / 50 kW)	No. 2 Fuel Oil
6	10	2-02-002-53	EEG Unit #10 - Love Library South (240 hp / 150 kW)	Natural Gas
6	11	2-02-001-02	EEG Unit #11 - Love Library North (102 hp / 60 kW)	No. 2 Fuel Oil
6	14	2-02-004-01	EEG Unit #14 - Othmer Hall (900 hp / 600 kW)	No. 2 Fuel Oil
6	15	2-02-004-01	EEG Unit #15 - Memorial Stadium - Southwest Unit (605 hp / 400 kW)	No. 2 Fuel Oil
6	16	2-02-002-53	EEG Unit #16 - Abel-Sandoz Residence Hall (150 hp / 100 kW)	Natural Gas

SECTION 3 – EMISSION POINT SUMMARY

Table 3-A: Emission Unit Identification

Emission Unit #		Source Classification Code # (SCC)	Emission Point Description	Emission Segment Description
Point #	Segment #			
6	17	2-02-002-53	EEG Unit #17 - Kauffman Center (55 hp / 35 kW)	Natural Gas
6	18	2-02-004-01	EEG Unit #18 - Walter Scott Engineering Ctr. - South Unit (855 hp / 400 kW)	No. 2 Fuel Oil
6	19	2-02-002-53	EEG Unit #19 - UNL Parking Structure - 1111 N. 14th St. (176 hp / 100 kW)	Natural Gas
6	20	2-02-004-01	EEG Unit #20 - Hamilton Hall (1200 hp / 800 kW)	No. 2 Fuel Oil
6	21	2-02-002-53	EEG Unit #21 - Bldg. Systems Maintenance (176 hp / 100 kW)	Natural Gas
6	22	2-02-004-01	EEG Unit #22 - Osborne Athletic Complex (750 hp / 514 kW)	No. 2 Fuel Oil
6	23	2-02-002-53	EEG Unit #23 - Harper-Schramm-Smith Residence Halls (202 hp / 125 kW)	Natural Gas
6	24	2-02-002-53	EEG Unit #24 - Avery Hall (240 hp / 150 kW)	Natural Gas
6	25	2-02-002-53	EEG Unit #25 - UNL Business Services (86 hp / 60 kW)	Natural Gas
6	26	2-02-002-53	EEG Unit #26 - Hewitt Center (175 hp / 65 kW)	Natural Gas
6	27	2-02-004-01	EEG Unit #27 - Beadle Center (755 hp / 400 kW)	No. 2 Fuel Oil
6	28	2-02-001-02	EEG Unit #28 - Abel-Sandoz Residence Hall - North Unit (398 hp / 250 kW)	No. 2 Fuel Oil
6	29	2-02-001-02	EEG Unit #29 - Theodore Jorgensen Hall (755 hp / 500 kW)	No. 2 Fuel Oil
6	30	2-02-001-02	EEG Unit #30 - Whittier Building (422 hp / 250 kW)	No. 2 Fuel Oil
6	31	2-02-002-53	EEG Unit #31 - Robert E. Knoll Residence Ctr. (98 hp / 60 kW)	Natural Gas
6	32	2-02-002-53	EEG Unit #32 - Jackie Gaughan Multicultural Ctr. (176 hp / 100 kW)	Natural Gas
6	33	2-02-002-53	EEG Unit #33 - 19th & Vine St. Parking Garage (115 hp / 70 kW)	Natural Gas
6	35	2-02-002-53	EEG Unit #35 - Hendricks Training Complex (198 hp / 125 kW)	Natural Gas
6	36	2-02-004-01	EEG Unit #36 - Memorial Stadium - Southeast Unit (1490 hp / 1000 kW)	No. 2 Fuel Oil
6	37	2-02-001-02	EEG Unit #37 - Devaney Sports Center (464 hp / 250 kW)	No. 2 Fuel Oil
6	38	2-02-001-02	EEG Unit #38 - University Suites (464 hp / 250 kW)	No. 2 Fuel Oil
6	39	2-02-004-01	EEG Unit #39 - Walter Scott Engineering Ctr. (755 hp / 500 kW)	No. 2 Fuel Oil
6	40	2-02-004-01	EEG Unit #40 - City Campus Utility Plant (2922 hp / 2000 kW)	No. 2 Fuel Oil
6	42	2-02-001-02	EEG Unit #42 - Lied Center (295 hp / 100 kW)	No. 2 Fuel Oil
6	43	2-02-001-02	EEG Unit #43 - Manter Hall (50 hp / 30 kW)	No. 2 Fuel Oil
6	45	2-02-001-02	EEG Unit #45 - Oldfather Hall (240 hp / 100 kW)	No. 2 Fuel Oil
6	46	2-02-004-01	EEG Unit #46 - Innovation Campus CRES Plant (2220 hp / 1250 kW)	Ultra-Low Sulfur Diesel (ULSD)
6	47	2-02-002-53	EEG Unit #47 - Sid & Hazel Dillon Tennis Complex (241 hp / 150 kW)	Natural Gas
6	48	2-02-001-02	EEG Unit #48 - Innovation Campus Fiber Conduit & Hotel (324 hp / 125 kW)	Ultra-Low Sulfur Diesel (ULSD)
6	49	2-02-001-02	EEG Unit #49 - 'J6' Building (364 hp / 230 kW)	Ultra-Low Sulfur Diesel (ULSD)
6	50	2-02-001-02	EEG Unit #50 - Morrill Hall (324 hp / 125 kW)	Ultra-Low Sulfur Diesel (ULSD)
6	51	2-02-004-01	EEG Unit #51 - Howard L. Hawks Hall (1220 hp - 800 kW)	Ultra-Low Sulfur Diesel (ULSD)
6	52	2-02-001-02	EEG Unit #52 - City Campus Behlen Labs (280 hp - 175 kW)	Ultra-Low Sulfur Diesel (ULSD)

SECTION 3 – EMISSION POINT SUMMARY

Table 3-A: Emission Unit Identification

Emission Unit #		Source Classification Code # (SCC)	Emission Point Description	Emission Segment Description
Point #	Segment #			
6	53	2-02-002-53	EEG Unit #53 - Will Cather Dining Complex (230 hp - 150 kW)	Natural Gas
6	54	2-02-001-02	EEG Unit #54 - Univeristy Health Center & College of Nursing (324 hp - 200 kW)	Ultra-Low Sulfur Diesel (ULSD)
6	55	2-02-004-01	EEG Unit #55 - Scott Engineering Center (SEC) Link (760 hp - 500 kW)	Ultra-Low Sulfur Diesel (ULSD)
6	56	2-02-004-01	EEG Unit #56 - Engineering Research Center (600 hp - 400 kW)	Ultra-Low Sulfur Diesel (ULSD)
6	57	2-02-004-01	EEG Unit #57 - Kiewit Hall (1,112 hp - 750 kW)	Ultra-Low Sulfur Diesel (ULSD)
6	58	2-02-002-53	EEG Unit #58 - Carolyn Pope Edwards Hall (302 hp - 225 kW)	Natural Gas
6	59	2-02-004-01	EEG Unit #59 - Nebraska Hall (900 hp - 600 kW)	Ultra-Low Sulfur Diesel (ULSD)
6	60	2-02-004-01	EEG Unit #60 - Nebraska Training Complex (1,112 hp - 750 kW)	Ultra-Low Sulfur Diesel (ULSD)
6	61	2-02-002-53	EEG Unit #61 - Westbrook Music Building (304 hp - 200 kW)	Natural Gas
Gasoline Distribution Facility (GDF) Units				
7	1	4-04-004-03	Transportation Services GDF (10,000 gal Underground Storage Tank #2)	Fugitive VOC Loss
7	2	4-04-004-03	Transportation Services GDF (10,000 gal Underground Storage Tank #3)	Fugitive VOC Loss
7	3	4-04-004-03	Landscape Services GDF (500 gal Above-ground Storage Tank)	Fugitive VOC Loss

SECTION 3 – EMISSION POINT SUMMARY

Table 3-A: Emission Unit Identification

Emission Unit #		Source Classification Code # (SCC)	Emission Point Description	Emission Segment Description
Point #	Segment #			

SECTION 3 – EMISSION POINT SUMMARY

Table 3-B: Stack / Release Point Information

** Stack information not required for fugitive sources.*

Emission Unit #	Associated Emission Unit	Latitude (decimal deg.)	Longitude (decimal deg.)	Elevation (feet a.s.l.)	Stack Height (feet)	Stack Inside Diameter (feet)	Exhaust Temp. (°F)	Exhaust Exit Velocity (feet/sec)	Exhaust Flow Rate (cu. feet/sec)	Vertical, Horizontal, or Fugitive	Raincap Present?
1-1	99.8 MMBtu/hr Boiler - Bo…	40.822886	-96.701609	1,150.00	70.00	3.50	260.00	64.00	615.75	Vertical	No
1-2	99.8 MMBtu/hr Boiler - Bo…	40.822886	-96.701609	1,150.00	70.00	3.50	260.00	64.00	615.75	Vertical	No
2-1	99.8 MMBtu/hr Boiler - Bo…	40.822886	-96.701727	1,150.00	70.00	3.50	248.00	64.00	615.75	Vertical	No
2-2	99.8 MMBtu/hr Boiler - Bo…	40.822886	-96.701727	1,150.00	70.00	3.50	248.00	64.00	615.75	Vertical	No
3-1	99.8 MMBtu/hr Boiler - Bo…	40.822919	-96.702342	1,200.43	55.00	4.50	248.00	64.00	1,017.88	Vertical	No
3-2	99.8 MMBtu/hr Boiler - Bo…	40.822919	-96.702342	1,200.43	55.00	4.50	248.00	64.00	1,017.88	Vertical	No
4-1	99.8 MMBtu/hr Boiler - Bo…	40.822874	-96.702366	1,150.00	55.00	6.00	295.00	30.00	848.23	Vertical	No
4-2	99.8 MMBtu/hr Boiler - Bo…	40.822874	-96.702366	1,150.00	55.00	6.00	295.00	30.00	848.23	Vertical	No
5-1	17,250 gal/min Cooling To…									Fugitive	
5-2	33,000 gal/min Cooling To…									Fugitive	
5-3	26,000 gal/min Cooling To…									Fugitive	
6-1	EEG Unit #1 - Anderson Ha…									Fugitive	
6-2	EEG Unit #2 - Burnett Hal…									Fugitive	
6-3	EEG Unit #3 - Richards Ha…									Fugitive	
6-4	EEG Unit #4 - Stadium Dri…									Fugitive	
6-5	EEG Unit #5 - 17th & R St…									Fugitive	
6-6	EEG Unit #6 - Teachers Co…									Fugitive	
6-7	EEG Unit #7 - Nebraska Un…									Fugitive	
6-8	EEG Unit #8 - Ross Van Br…									Fugitive	
6-9	EEG Unit #9 - College of …									Fugitive	
6-10	EEG Unit #10 - Love Libra…									Fugitive	
6-11	EEG Unit #11 - Love Libra…									Fugitive	
#REF!	#REF!									Fugitive	
6-14	EEG Unit #14 - Othmer Hal…									Fugitive	
6-15	EEG Unit #15 - Memorial S…									Fugitive	
6-16	EEG Unit #16 - Abel-Sando…									Fugitive	
6-17	EEG Unit #17 - Kauffman C…									Fugitive	

SECTION 3 – EMISSION POINT SUMMARY

Table 3-B: Stack / Release Point Information

** Stack information not required for fugitive sources.*

Emission Unit #	Associated Emission Unit	Latitude (decimal deg.)	Longitude (decimal deg.)	Elevation (feet a.s.l.)	Stack Height (feet)	Stack Inside Diameter (feet)	Exhaust Temp. (°F)	Exhaust Exit Velocity (feet/sec)	Exhaust Flow Rate (cu. feet/sec)	Vertical, Horizontal, or Fugitive	Raincap Present?
6-18	EEG Unit #18 - Walter Sco…									Fugitive	
6-19	EEG Unit #19 - UNL Parkin…									Fugitive	
6-20	EEG Unit #20 - Hamilton H…									Fugitive	
6-21	EEG Unit #21 - Bldg. Syst…									Fugitive	
6-22	EEG Unit #22 - Osborne At…									Fugitive	
6-23	EEG Unit #23 - Harper-Sch…									Fugitive	
6-24	EEG Unit #24 - Avery Hall…									Fugitive	
6-25	EEG Unit #25 - UNL Busine…									Fugitive	
6-26	EEG Unit #26 - Hewitt Cen…									Fugitive	
6-27	EEG Unit #27 - Beadle Cen…									Fugitive	
6-28	EEG Unit #28 - Abel-Sando…									Fugitive	
6-29	EEG Unit #29 - Theodore J…									Fugitive	
6-30	EEG Unit #30 - Whittier B…									Fugitive	
6-31	EEG Unit #31 - Robert E. …									Fugitive	
6-32	EEG Unit #32 - Jackie Gau…									Fugitive	
6-33	EEG Unit #33 - 19th & Vin…									Fugitive	
6-35	EEG Unit #35 - Hendricks …									Fugitive	
6-36	EEG Unit #36 - Memorial S…									Fugitive	
6-37	EEG Unit #37 - Devaney Sp…									Fugitive	
6-38	EEG Unit #38 - University…									Fugitive	
6-39	EEG Unit #39 - Walter Sco…									Fugitive	
6-40	EEG Unit #40 - City Campu…									Fugitive	
										Fugitive	
6-42	EEG Unit #42 - Lied Cente…									Fugitive	
6-43	EEG Unit #43 - Manter Hal…									Fugitive	
6-45	EEG Unit #45 - Oldfather …									Fugitive	
6-46	EEG Unit #46 - Innovation…									Fugitive	
6-47	EEG Unit #47 - Sid & Haze…									Fugitive	
6-48	EEG Unit #48 - Innovation…									Fugitive	
6-49	EEG Unit #49 - 'J6' Build…									Fugitive	
6-50	EEG Unit #50 - Morrill Ha…									Fugitive	
6-51	EEG Unit #51 - Howard L. …									Fugitive	

SECTION 3 – EMISSION POINT SUMMARY

Table 3-B: Stack / Release Point Information

** Stack information not required for fugitive sources.*

Emission Unit #	Associated Emission Unit	Latitude (decimal deg.)	Longitude (decimal deg.)	Elevation (feet a.s.l.)	Stack Height (feet)	Stack Inside Diameter (feet)	Exhaust Temp. (°F)	Exhaust Exit Velocity (feet/sec)	Exhaust Flow Rate (cu. feet/sec)	Vertical, Horizontal, or Fugitive	Raincap Present?
6-52	EEG Unit #52 - City Campu…									Fugitive	
6-53	EEG Unit #53 - Will Cathe…									Fugitive	
6-54	EEG Unit #54 - Univeristy…									Fugitive	
6-55	EEG Unit #55 - Scott Engi…									Fugitive	
6-56	EEG Unit #56 - Engineerin…									Fugitive	
7-1	Transportation Services G…									Fugitive	
7-2	Transportation Services G…									Fugitive	
7-3	Landscape Services GDF (5…									Fugitive	

SECTION 4 – INSIGNIFICANT ACTIVITIES

Table 4-A: Insignificant Activities List

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Insignificant Activity Type	Description of Insignificant Activity
(21) Natural Gas Space Heaters	Combined capacity of 3.71 MMBtu/hr, various locations around the campus
(3) Art Dept natural gas kilns	'Diet Soda', 'Left Baby', 'Right Baby' each 160,000 BTU/hr
(1) Art Dept natural gas kiln	'Geil' 200,000 BTU/hr
(1) Art Dept natural gas kiln	'Pete's Reduction' 160,000 BTU/hr
(1) Art Dept natural gas kiln	'New Big Red' 350,000 BTU/hr
(1) Art Dept natural gas kiln	'Salt' 400,000 BTU/hr
(1) Art Dept natural gas kiln	Soda' 600,000 BTU/hr
(1) Art Dept natural gas kiln	'Choo Choo' 800,000 BTU/hr
(7) Abel/Sandoz natural gas boilers	each 1 MMBtu/hr
(8) Abel/Sandoz natural gas boilers	each 2 MMBtu/hr
(2) Husker Hall natural gas boilers	each 198,000 BTU/hr
(1) Knolls natural gas boiler	2 MMbtu/hr
(2) Whittier natural gas boilers	each 400,000 BTU/hr
(1) FMP natural gas boiler	300,000 BTU/hr
(4) Stadium Dr PG natural gas boiler	each 600,000 BTU/hr
(1) Andersen Hall natural gas boiler	1.6 MMBtu/hr
(1) NE Champ Club natural gas boiler	2.4 MMBtu/hr
(1) FMS natural gas boiler	750,000 Btu/hr

SECTION 4 – INSIGNIFICANT ACTIVITIES

Table 4-B: Insignificant Lubricating and Heavy Oil Storage Information

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Equipment ID	Installation Date	Fuel Type	Maximum Capacity (gallons) or Maximum Flow Rate (gals/min)	Vapor Pressure @ Standard Conditions (psi)
CCUP #1	1/1/2019	No. 2 Fuel UST (Utility Plant)	30,000	0.50
CCUP #2	1/1/2019	No. 2 Fuel UST (Utility Plant)	30,000	0.50
CCUP #3	1/1/2019	No. 2 Fuel UST (Utility Plant)	30,000	0.50

SECTION 4 – INSIGNIFICANT ACTIVITIES

Table 4-C: Insignificant Cooling Towers

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Cooling Tower ID	Installation Date	Induced Draft or Natural Draft?	Maximum Circulating H_2O Flow Rate (gpm)	Total Dissolved Solids Conc. (ppmv)	Estimated Drift Loss (%)	Average Days in Service / Year
Selleck Quad	32509	Induced Draft	840	.002	2.000%	240
C/P/N, Ctyds	37987	Induced Draft	1050	.002	0.000%	150
Abel/Sandoz 1	39539	Induced Draft	1550	.002	0.000%	220
Abel/Sandoz 2	39539	Induced Draft	1550	.002	0.000%	220

SECTION 5 – MAXIMUM POTENTIAL TO EMIT (MPTE)

Table 5-A: MPTE – Regulated Air Pollutant Emissions from Physical Plants and Other Equipment

Please list maximum potential emissions of all pollutants for each emission unit in pounds per year.

Ver. 06/2018

Emission Unit #	SCC Code	Hourly Process Rate	Process Rate Units	Max Annual Throughput	Emission Factor Source	PM_{10}	$PM_{2.5}$	NOx	SOx	VOC	CO	GHGs (CO_2e)	LEAD	Total HAP
1-1	1-03-005-02	0.7160	Mgal	6,272	WebFire							1.4E+08		259.26
1-2	1-03-006-02	0.0974	MMcf	853.22	WebFire							1.0E+08		1,593
2-1	1-03-005-02	0.7160	Mgal	6,272	WebFire							1.4E+08		259.26
2-2	1-03-006-02	0.0974	MMcf	853.22	WebFire							1.0E+08		1,593
						199,980	199,980	199,980	199,980	199,980	199,980		9,980	
3-1	1-03-005-03	0.7160	Mgal	6,272	WebFire							1.4E+08		259.26
3-2	1-03-006-02	0.0974	MMcf	853.22	WebFire							1.0E+08		1,593
4-1	1-03-005-02	0.7160	Mgal	6,272	WebFire							1.4E+08		259.26
4-2	1-03-006-02	0.0974	MMcf	853.22	WebFire							1.0E+08		1,593
						The MPTE shown above for EUs 1-1 through 4-2 represents the maximum allowable annual emissions from the 'Boiler Plant' at UNL City Campus. The emission limit for these emission units is set forth in Construction Permit 26-###, and as such is a federally enforceable limit on the potential to emit.								
5-1	3-85-001-01	1.04E+06	gal	9.07E+09	WebFire	3,024	3,024	-	-	-	-	-	-	-
5-2	3-85-001-01	1.98E+06	gal	1.73E+10	WebFire	5,786	5,786	-	-	-	-	-	-	-
5-3	3-85-001-01	1.56E+06	gal	1.37E+10	WebFire	4,558	4,558	-	-	-	-	-	-	-
6-1	2-02-002-53	0.0005	MMcf	0.24	WebFire	4.80	4.80	561.48	0.15	7.32	920.14	28,631	-	8.00
6-2	2-02-002-53	0.0008	MMcf	0.39	WebFire	7.81	7.81	913.43	0.24	11.91	1,497	46,577	-	13.02
6-3	2-02-002-53	0.0002	MMcf	0.11	WebFire	2.18	2.18	254.69	0.07	3.32	417.38	12,987	-	3.63
6-4	2-02-002-53	0.0011	MMcf	0.56	WebFire	11.00	11.00	1,286	0.33	16.77	2,108	65,585	-	18.34
6-5	2-02-004-01	0.0290	Mgal	14.50	WebFire	113.83	113.83	6,351	100.05	166.75	1,682	328,102	3.48	0.00
6-6	2-02-002-53	0.0003	MMcf	0.17	WebFire	3.42	3.42	399.41	0.10	5.21	654.53	20,366	-	5.69
6-7	2-02-002-53	0.0008	MMcf	0.39	WebFire	7.81	7.81	913.43	0.24	11.91	1,497	46,577	-	13.02
6-8	2-02-002-53	0.0013	MMcf	0.63	WebFire	12.47	12.47	1,459	0.38	19.02	2,390	74,381	-	20.80
6-9	2-02-001-02	0.0050	Mgal	2.50	WebFire	106.25	106.25	1,510	99.25	123.25	325.00	56,500	1.38	0.00
6-10	2-02-002-53	0.0017	MMcf	0.85	WebFire	16.83	16.83	1,968	0.51	25.66	3,225	100,355	-	28.06
6-11	2-02-001-02	0.0050	Mgal	2.50	WebFire	106.25	106.25	1,510	99.25	123.25	325.00	56,500	1.38	0.00
6-14	2-02-004-01	0.0350	Mgal	17.50	WebFire	137.38	137.38	7,665	120.75	201.25	2,030	395,986	4.20	0.00
6-15	2-02-004-01	0.0280	Mgal	14.00	WebFire	109.90	109.90	6,132	96.60	161.00	1,624	316,789	3.36	0.00
6-16	2-02-002-53	0.0013	MMcf	0.63	WebFire	12.47	12.47	1,459	0.38	19.02	2,390	74,381	-	20.80
6-17	2-02-002-53	0.0003	MMcf	0.17	WebFire	3.42	3.42	399.41	0.10	5.21	654.53	20,366	-	5.69
6-18	2-02-004-01	0.0280	Mgal	14.00	WebFire	109.90	109.90	6,132	96.60	161.00	1,624	316,789	3.36	0.00

SECTION 5 – MAXIMUM POTENTIAL TO EMIT (MPTE)

Table 5-A: MPTE – Regulated Air Pollutant Emissions from Physical Plants and Other Equipment

Please list maximum potential emissions of all pollutants for each emission unit in pounds per year.

Ver. 06/2018

Emission Unit #	SCC Code	Hourly Process Rate	Process Rate Units	Max Annual Throughput	Emission Factor Source	PM_{10}	$PM_{2.5}$	NOx	SOx	VOC	CO	GHGs (CO_2e)	LEAD	Total HAP
6-19	2-02-002-53	0.0012	MMcf	0.62	WebFire	12.32	12.32	1,441	0.37	18.79	2,361	73,466	-	20.54
6-20	2-02-004-01	0.0420	Mgal	21.00	WebFire	164.85	164.85	9,198	144.90	241.50	2,436	475,183	5.04	0.00
6-21	2-02-002-53	0.0012	MMcf	0.62	WebFire	12.32	12.32	1,441	0.37	18.79	2,361	73,466	-	20.54
6-22	2-02-004-01	0.0344	Mgal	17.20	WebFire	135.02	135.02	7,534	118.68	197.80	1,995	389,197	4.13	0.00
6-23	2-02-002-53	0.0012	MMcf	0.62	WebFire	12.32	12.32	1,441	0.37	18.79	2,361	73,466	-	20.54
6-24	2-02-002-53	0.0017	MMcf	0.85	WebFire	16.83	16.83	1,968	0.51	25.66	3,225	100,355	-	28.06
6-25	2-02-002-53	0.0008	MMcf	0.39	WebFire	7.81	7.81	913.43	0.24	11.91	1,497	46,577	-	13.02
6-26	2-02-002-53	0.0008	MMcf	0.39	WebFire	7.81	7.81	913.43	0.24	11.91	1,497	46,577	-	13.02
6-27	2-02-004-01	0.0274	Mgal	13.70	WebFire	107.55	107.55	6,001	94.53	157.55	1,589	310,000	3.29	0.00
6-28	2-02-001-02	0.0194	Mgal	9.70	WebFire	412.25	412.25	5,859	385.09	478.21	1,261	219,220	5.34	0.01
6-29	2-02-001-02	0.0306	Mgal	15.30	WebFire	650.25	650.25	9,241	607.41	754.29	1,989	345,780	8.42	0.01
6-30	2-02-001-02	0.0183	Mgal	9.15	WebFire	388.88	388.88	5,527	363.26	451.10	1,190	206,790	5.03	0.00
6-31	2-02-002-53	0.0009	MMcf	0.43	WebFire	8.42	8.42	984.05	0.26	12.83	1,613	50,178	-	14.03
6-32	2-02-002-53	0.0011	MMcf	0.55	WebFire	10.94	10.94	1,279	0.33	16.68	2,096	65,231	-	18.24
6-33	2-02-002-53	0.0009	MMcf	0.43	WebFire	8.42	8.42	984.05	0.26	12.83	1,613	50,178	-	14.03
6-35	2-02-002-53	0.0017	MMcf	0.83	WebFire	16.50	16.50	1,930	0.50	25.16	3,163	98,407	-	27.51
6-36	2-02-004-01	0.0722	Mgal	36.10	WebFire	283.39	283.39	15,812	249.09	415.15	4,188	816,862	8.66	0.01
6-37	2-02-001-02	0.0196	Mgal	9.80	WebFire	416.50	416.50	5,919	389.06	483.14	1,274	221,480	5.39	0.01
6-38	2-02-001-02	0.0196	Mgal	9.80	WebFire	416.50	416.50	5,919	389.06	483.14	1,274	221,480	5.39	0.01
6-39	2-02-004-01	0.0344	Mgal	17.20	WebFire	135.02	135.02	7,534	118.68	197.80	1,995	389,197	4.13	0.00
6-40	2-02-004-01	0.1413	Mgal	70.65	WebFire	554.60	554.60	30,945	487.49	812.48	8,195	1.6E+06	16.96	0.01
6-42	2-02-001-02	0.0070	Mgal	3.50	WebFire	148.75	148.75	2,114	138.95	172.55	455.00	79,100	1.93	0.00
6-43	2-02-001-02	0.0050	Mgal	2.50	WebFire	106.25	106.25	1,510	99.25	123.25	325.00	56,500	1.38	0.00
6-45	2-02-001-02	0.0070	Mgal	3.50	WebFire	148.75	148.75	2,114	138.95	172.55	455.00	79,100	1.93	0.00
6-46	2-02-004-01	0.0927	Mgal	46.35	WebFire	363.85	363.85	20,301	319.82	533.03	5,377	1.0E+06	11.12	0.01
6-47	2-02-002-53	0.0020	MMcf	1.02	WebFire	20.23	20.23	2,365	0.61	30.84	3,876	120,603	-	33.72
6-48	2-02-001-02	0.0103	Mgal	5.15	WebFire	218.88	218.88	3,111	204.46	253.90	669.50	116,390	2.83	0.00
6-49	2-02-001-02	0.0182	Mgal	9.10	WebFire	386.75	386.75	5,496	361.27	448.63	1,183	205,660	5.01	0.00
6-50	2-02-001-02	0.0103	Mgal	5.15	WebFire	218.88	218.88	3,111	204.46	253.90	669.50	116,390	2.83	0.00
6-51	2-02-004-01	0.0530	Mgal	26.50	WebFire	208.03	208.03	11,607	182.85	304.75	3,074	599,635	6.36	0.01
6-52	2-02-001-02	0.0136	Mgal	6.80	WebFire	289.00	289.00	4,107	269.96	335.24	884.00	153,680	3.74	0.00
6-53	2-02-002-53	0.0021	MMcf	1.03	WebFire	20.40	20.40	2,386	0.62	31.11	3,910	121,666	-	34.02
6-54	2-02-001-02	0.0280	Mgal	14.00	WebFire	595.00	595.00	8,456	555.80	690.20	1,820	316,400	7.70	0.01
6-55	2-02-004-01	0.0355	Mgal	17.75	WebFire	139.34	139.34	7,775	122.48	204.13	2,059	401,643	4.26	0.00
6-56	2-02-004-01	0.0280	Mgal	14.00	WebFire	109.90	109.90	6,132	96.60	161.00	1,624	316,789	3.36	0.00

SECTION 5 – MAXIMUM POTENTIAL TO EMIT (MPTE)

Table 5-A: MPTE – Regulated Air Pollutant Emissions from Physical Plants and Other Equipment

Please list maximum potential emissions of all pollutants for each emission unit in pounds per year.

Ver. 06/2018

Emission Unit #	SCC Code	Hourly Process Rate	Process Rate Units	Max Annual Throughput	Emission Factor Source	PM_{10}	$PM_{2.5}$	NOx	SOx	VOC	CO	GHGs (CO_2e)	LEAD	Total HAP
6-57	2-02-004-01	0.0543	Mgal	27.15	WebFire	213.13	213.13	11,892	187.34	312.23	3,149	614,343	6.52	0.01
6-58	2-02-002-53	0.0001	MMcf	0.03	WebFire	0.59	0.59	69.46	0.02	0.91	113.83	3,542	-	0.99
6-59	2-02-004-01	0.0421	Mgal	21.05	WebFire	165.24	165.24	9,220	145.25	242.08	2,442	476,314	5.05	0.00
6-60	2-02-004-01	0.0534	Mgal	26.70	WebFire	209.60	209.60	11,695	184.23	307.05	3,097	604,161	6.41	0.01
6-61	2-02-002-53	0.0005	MMcf	0.25	WebFire	4.95	4.95	578.85	0.15	7.55	948.60	29,516	-	8.25
7-1	4-04-004-03	1.10	gal	9,636	Mass Balance	-	-	-	-	2,400	-	-	-	-
7-2	4-04-004-03	1.10	gal	9,636	Mass Balance	-	-	-	-	2,400	-	-	-	-
7-3	4-04-004-03	1.10	gal	9,636	Mass Balance	-	-	-	-	2,400	-	-	-	-

SECTION 5 – MAXIMUM POTENTIAL TO EMIT (MPTE)

Table 5-D: Maximum Potential to Emit and Operating / Construction Permit Thresholds

Ver. 06/2018

Criteria Pollutant Name	Emissions (tons per year)	Class II Permitting Threshold (tons per year)	Meet or Exceed?	Class I Permitting Threshold (tons per year)	Meet or Exceed?
PM_{10}	110.73	15.0	**Yes**	100.0	**Yes**
$PM_{2.5}$	110.73				
NOx	237.86	40.0	**Yes**	100.0	**Yes**
SOx	103.58	40.0	**Yes**	100.0	**Yes**
VOC	105.24	40.0	**Yes**	100.0	**Yes**
CO	154.32	50.0	**Yes**	100.0	**Yes**
Lead	5.07	0.6	**Yes**	5.0	**Yes**
GHGs	494,046.00				

HAP Category	Emissions (tons per year)	Class II Permitting Threshold (tons per year)	Meet or Exceed?	Class I Permitting Threshold (tons per year)	Meet or Exceed?
Greatest Single HAP	0.00	2.5	No	10.0	No
Total Combined HAP	3.91	10.0	No	25.0	No

SECTION 6: DETERMINATION OF SOURCE CLASS

Part A: Operating Permit Class

The maximum potential emissions from your facility meet or exceed Class I permitting thresholds. However, the maximum potential HAP emissions from your facility are less than the HAP 'Major Source' thresholds. Proceed to answer the following questions.

Do you wish to take enforceable permit requirements to limit emissions to levels that are lower than Class I Permit thresholds?	☐ **Yes**	☑ **No**
	☐ **Yes**	☐ **No**

Your facility will be classified as a Class I (Title V) source of criteria pollutants, and as an 'Area Source' of HAP. Proceed to Part D of this section, below.

Because you are not taking Synthetic Minor limits and your facility is an 'Area Source' of HAP, Parts B and C of this section do not apply. Complete Part D of this section, below.

Part B: Source Elected Requirements for Synthetic Minor Sources

Not applicable.

Not applicable.

Not Applicable.	☐ **Yes**	☐ **No**
Not Applicable.	☐ **Yes**	☐ **No**

Part C: Source Elected Requirements for Synthetic Area Sources of HAPs

Not Applicable.

Not Applicable.

Not Applicable.	☐ **Yes**	☐ **No**
Not Applicable.	☐ **Yes**	☐ **No**

Part D: Source Elected Requirements for Actual Emission Reductions		
All sources that are required to hold an operating permit are required to pay an annual emission fee based on actual pollutant emissions. **You may agree to control requirements in order to reduce actual emissions of pollutants to the atmosphere, thereby reducing the annual emission fees. Check the following, as applicable.**		
Do you agree to accept control requirements to reduce actual pollutant emissions?	☐ **Yes**	☑ **No**
Sources may also agree to throughput limits in their permit to prevent the possibility of exceeding permit thresholds. Check the following, as applicable.		
Do you agree to accept throughput limits to prevent possible exceedances of permit thresholds?	☐ **Yes**	☑ **No**
If you do not wish to take limits to reduce emissions, and you did not agree to accept any limits or control requirements in Parts B or C, then skip Table 6-A and proceed to Section 7.		

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SECTION 6 – DETERMINATION OF SOURCE CLASS

Table 6-A: Source-Elected Throughput Limits and Emission Control Requirements

In the table below, indicate which emission units you will either accept throughput limits on, or to which you will agree to apply control equipment.

Ver. 06/2018

Emission Unit #	SCC Code	Agree to Throughput Limit?	Maximum Annual Throughput	Annual Throughput Limit	Throughput Units	Agree to Emission Controls?	Control Device ID	Control Type	If 'Other', Specify Type
1-1	1-03-005-02	No	6,272		Mgal/yr	No			
1-2	1-03-006-02	No	853.22		MMcf/yr	No			
2-1	1-03-005-02	No	6,272		Mgal/yr	No			
2-2	1-03-006-02	No	853.22		MMcf/yr	No			
3-1	1-03-005-03	No	6,272		Mgal/yr	No			
3-2	1-03-006-02	No	853.22		MMcf/yr	No			
4-1	1-03-005-02	No	6,272		Mgal/yr	No			
4-2	1-03-006-02	No	853.22		MMcf/yr	No			
5-1	3-85-001-01	No	9.07E+09		gal/yr	No			
5-2	3-85-001-01	No	1.73E+10		gal/yr	No			
5-3	3-85-001-01	No	1.37E+10		gal/yr	No			
6-1	2-02-002-53	No	0.24		MMcf/yr	No			
6-2	2-02-002-53	No	0.39		MMcf/yr	No			
6-3	2-02-002-53	No	0.11		MMcf/yr	No			
6-4	2-02-002-53	No	0.56		MMcf/yr	No			
6-5	2-02-004-01	No	14.50		Mgal/yr	No			
6-6	2-02-002-53	No	0.17		MMcf/yr	No			
6-7	2-02-002-53	No	0.39		MMcf/yr	No			
6-8	2-02-002-53	No	0.63		MMcf/yr	No			
6-9	2-02-001-02	No	2.50		Mgal/yr	No			
6-10	2-02-002-53	No	0.85		MMcf/yr	No			
6-11	2-02-001-02	No	2.50		Mgal/yr	No			
6-14	2-02-004-01	No	17.50		Mgal/yr	No			
6-15	2-02-004-01	No	14.00		Mgal/yr	No			
6-16	2-02-002-53	No	0.63		MMcf/yr	No			
6-17	2-02-002-53	No	0.17		MMcf/yr	No			
6-18	2-02-004-01	No	14.00		Mgal/yr	No			

SECTION 6 – DETERMINATION OF SOURCE CLASS

Table 6-A: Source-Elected Throughput Limits and Emission Control Requirements

In the table below, indicate which emission units you will either accept throughput limits on, or to which you will agree to apply control equipment.

Ver. 06/2018

Emission Unit #	SCC Code	Agree to Throughput Limit?	Maximum Annual Throughput	Annual Throughput Limit	Throughput Units	Agree to Emission Controls?	Control Device ID	Control Type	If 'Other', Specify Type
6-19	2-02-002-53	No	0.62		MMcf/yr	No			
6-20	2-02-004-01	No	21.00		Mgal/yr	No			
6-21	2-02-002-53	No	0.62		MMcf/yr	No			
6-22	2-02-004-01	No	17.20		Mgal/yr	No			
6-23	2-02-002-53	No	0.62		MMcf/yr	No			
6-24	2-02-002-53	No	0.85		MMcf/yr	No			
6-25	2-02-002-53	No	0.39		MMcf/yr	No			
6-26	2-02-002-53	No	0.39		MMcf/yr	No			
6-27	2-02-004-01	No	13.70		Mgal/yr	No			
6-28	2-02-001-02	No	9.70		Mgal/yr	No			
6-29	2-02-001-02	No	15.30		Mgal/yr	No			
6-30	2-02-001-02	No	9.15		Mgal/yr	No			
6-31	2-02-002-53	No	0.43		MMcf/yr	No			
6-32	2-02-002-53	No	0.55		MMcf/yr	No			
6-33	2-02-002-53	No	0.43		MMcf/yr	No			
6-35	2-02-002-53	No	0.83		MMcf/yr	No			
6-36	2-02-004-01	No	36.10		Mgal/yr	No			
6-37	2-02-001-02	No	9.80		Mgal/yr	No			
6-38	2-02-001-02	No	9.80		Mgal/yr	No			
6-39	2-02-004-01	No	17.20		Mgal/yr	No			
6-40	2-02-004-01	No	70.65		Mgal/yr	No			
6-42	2-02-001-02	No	3.50		Mgal/yr	No			
6-43	2-02-001-02	No	2.50		Mgal/yr	No			
6-45	2-02-001-02	No	3.50		Mgal/yr	No			
6-46	2-02-004-01	No	46.35		Mgal/yr	No			
6-47	2-02-002-53	No	1.02		MMcf/yr	No			
6-48	2-02-001-02	No	5.15		Mgal/yr	No			
6-49	2-02-001-02	No	9.10		Mgal/yr	No			
6-50	2-02-001-02	No	5.15		Mgal/yr	No			
6-51	2-02-004-01	No	26.50		Mgal/yr	No			
6-52	2-02-001-02	No	6.80		Mgal/yr	No			

SECTION 6 – DETERMINATION OF SOURCE CLASS

Table 6-A: Source-Elected Throughput Limits and Emission Control Requirements

In the table below, indicate which emission units you will either accept throughput limits on, or to which you will agree to apply control equipment.

Ver. 06/2018

Emission Unit #	SCC Code	Agree to Throughput Limit?	Maximum Annual Throughput	Annual Throughput Limit	Throughput Units	Agree to Emission Controls?	Control Device ID	Control Type	If 'Other', Specify Type
6-53	2-02-002-53	No	1.03		MMcf/yr	No			
6-54	2-02-001-02	No	14.00		Mgal/yr	No			
6-55	2-02-004-01	No	17.75		Mgal/yr	No			
6-56	2-02-004-01	No	14.00		Mgal/yr	No			
6-57	2-02-004-01	No	27.15		Mgal/yr	No			
6-58	2-02-002-53	No	0.03		MMcf/yr	No			
6-59	2-02-004-01	No	21.05		Mgal/yr	No			
6-60	2-02-004-01	No	26.70		Mgal/yr	No			
6-61	2-02-002-53	No	0.25		MMcf/yr	No			
7-1	4-04-004-03	No	9,636		gal/yr	No			
7-2	4-04-004-03	No	9,636		gal/yr	No			
7-3	4-04-004-03	No	9,636		gal/yr	No			

SECTION 7 – ACTUAL POTENTIAL TO EMIT (APTE)

Table 7-A: Facility-Wide APTE – Regulated Air Pollutant Emissions

Shown below is your source's potential emissions after applying any operational limits or control equipment you elected in Section 6. Emissions are in units of pounds.

Ver. 06/2018

Emission Unit #	SCC Code	Annual Throughput	Throughput Units	PM_{10}	$PM_{2.5}$	NOx	SOx	VOC	CO	GHGs (CO_2e)	LEAD	Total HAP
1-1	1-03-005-02	6,272	Mgal/yr							1.43E+08		259.26
1-2	1-03-006-02	853.22	MMcf/yr							1.01E+08		1,593
2-1	1-03-005-02	6,272	Mgal/yr							1.43E+08		259.26
2-2	1-03-006-02	853.22	MMcf/yr							1.01E+08		1,593
				199,980	199,980	199,980	199,980	199,980	199,980		9,980	
3-1	1-03-005-03	6,272	Mgal/yr							1.43E+08		259.26
3-2	1-03-006-02	853.22	MMcf/yr							1.01E+08		1,593
4-1	1-03-005-02	6,272	Mgal/yr							1.43E+08		259.26
4-2	1-03-006-02	853.22	MMcf/yr							1.01E+08		1,593
5-1	3-85-001-01	9.07E+09	gal/yr	3,024	3,024	-	-	-	-	-	-	-
5-2	3-85-001-01	1.73E+10	gal/yr	5,786	5,786	-	-	-	-	-	-	-
5-3	3-85-001-01	1.37E+10	gal/yr	4,558	4,558	-	-	-	-	-	-	-
6-1	2-02-002-53	0.24	MMcf/yr	4.80	4.80	561.48	0.15	7.32	920.14	28,631	-	8.00
6-2	2-02-002-53	0.39	MMcf/yr	7.81	7.81	913.43	0.24	11.91	1,497	46,577	-	13.02
6-3	2-02-002-53	0.11	MMcf/yr	2.18	2.18	254.69	0.07	3.32	417.38	12,987	-	3.63
6-4	2-02-002-53	0.56	MMcf/yr	11.00	11.00	1,286	0.33	16.77	2,108	65,585	-	18.34
6-5	2-02-004-01	14.50	Mgal/yr	113.83	113.83	6,351	100.05	166.75	1,682	328,102	3.48	0.00
6-6	2-02-002-53	0.17	MMcf/yr	3.42	3.42	399.41	0.10	5.21	654.53	20,366	-	5.69
6-7	2-02-002-53	0.39	MMcf/yr	7.81	7.81	913.43	0.24	11.91	1,497	46,577	-	13.02
6-8	2-02-002-53	0.63	MMcf/yr	12.47	12.47	1,459	0.38	19.02	2,390	74,381	-	20.80
6-9	2-02-001-02	2.50	Mgal/yr	106.25	106.25	1,510	99.25	123.25	325.00	56,500	1.38	0.00
6-10	2-02-002-53	0.85	MMcf/yr	16.83	16.83	1,968	0.51	25.66	3,225	100,355	-	28.06
6-11	2-02-001-02	2.50	Mgal/yr	106.25	106.25	1,510	99.25	123.25	325.00	56,500	1.38	0.00
6-14	2-02-004-01	17.50	Mgal/yr	137.38	137.38	7,665	120.75	201.25	2,030	395,986	4.20	0.00
6-15	2-02-004-01	14.00	Mgal/yr	109.90	109.90	6,132	96.60	161.00	1,624	316,789	3.36	0.00
6-16	2-02-002-53	0.63	MMcf/yr	12.47	12.47	1,459	0.38	19.02	2,390	74,381	-	20.80
6-17	2-02-002-53	0.17	MMcf/yr	3.42	3.42	399.41	0.10	5.21	654.53	20,366	-	5.69
6-18	2-02-004-01	14.00	Mgal/yr	109.90	109.90	6,132	96.60	161.00	1,624	316,789	3.36	0.00
6-19	2-02-002-53	0.62	MMcf/yr	12.32	12.32	1,441	0.37	18.79	2,361	73,466	-	20.54

SECTION 7 – ACTUAL POTENTIAL TO EMIT (APTE)

Table 7-A: Facility-Wide APTE – Regulated Air Pollutant Emissions

Shown below is your source's potential emissions after applying any operational limits or control equipment you elected in Section 6. Emissions are in units of pounds.

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Emission Unit #	SCC Code	Annual Throughput	Throughput Units	PM_{10}	$PM_{2.5}$	NOx	SOx	VOC	CO	GHGs (CO_2e)	LEAD	Total HAP
6-20	2-02-004-01	21.00	Mgal/yr	164.85	164.85	9,198	144.90	241.50	2,436	475,183	5.04	0.00
6-21	2-02-002-53	0.62	MMcf/yr	12.32	12.32	1,441	0.37	18.79	2,361	73,466	-	20.54
6-22	2-02-004-01	17.20	Mgal/yr	135.02	135.02	7,534	118.68	197.80	1,995	389,197	4.13	0.00
6-23	2-02-002-53	0.62	MMcf/yr	12.32	12.32	1,441	0.37	18.79	2,361	73,466	-	20.54
6-24	2-02-002-53	0.85	MMcf/yr	16.83	16.83	1,968	0.51	25.66	3,225	100,355	-	28.06
6-25	2-02-002-53	0.39	MMcf/yr	7.81	7.81	913.43	0.24	11.91	1,497	46,577	-	13.02
6-26	2-02-002-53	0.39	MMcf/yr	7.81	7.81	913.43	0.24	11.91	1,497	46,577	-	13.02
6-27	2-02-004-01	13.70	Mgal/yr	107.55	107.55	6,001	94.53	157.55	1,589	310,000	3.29	0.00
6-28	2-02-001-02	9.70	Mgal/yr	412.25	412.25	5,859	385.09	478.21	1,261	219,220	5.34	0.01
6-29	2-02-001-02	15.30	Mgal/yr	650.25	650.25	9,241	607.41	754.29	1,989	345,780	8.42	0.01
6-30	2-02-001-02	9.15	Mgal/yr	388.88	388.88	5,527	363.26	451.10	1,190	206,790	5.03	0.00
6-31	2-02-002-53	0.43	MMcf/yr	8.42	8.42	984.05	0.26	12.83	1,613	50,178	-	14.03
6-32	2-02-002-53	0.55	MMcf/yr	10.94	10.94	1,279	0.33	16.68	2,096	65,231	-	18.24
6-33	2-02-002-53	0.43	MMcf/yr	8.42	8.42	984.05	0.26	12.83	1,613	50,178	-	14.03
6-35	2-02-002-53	0.83	MMcf/yr	16.50	16.50	1,930	0.50	25.16	3,163	98,407	-	27.51
6-36	2-02-004-01	36.10	Mgal/yr	283.39	283.39	15,812	249.09	415.15	4,188	816,862	8.66	0.01
6-37	2-02-001-02	9.80	Mgal/yr	416.50	416.50	5,919	389.06	483.14	1,274	221,480	5.39	0.01
6-38	2-02-001-02	9.80	Mgal/yr	416.50	416.50	5,919	389.06	483.14	1,274	221,480	5.39	0.01
6-39	2-02-004-01	17.20	Mgal/yr	135.02	135.02	7,534	118.68	197.80	1,995	389,197	4.13	0.00
6-40	2-02-004-01	70.65	Mgal/yr	554.60	554.60	30,945	487.49	812.48	8,195	1.60E+06	16.96	0.01
6-42	2-02-001-02	3.50	Mgal/yr	148.75	148.75	2,114	138.95	172.55	455.00	79,100	1.93	0.00
6-43	2-02-001-02	2.50	Mgal/yr	106.25	106.25	1,510	99.25	123.25	325.00	56,500	1.38	0.00
6-45	2-02-001-02	3.50	Mgal/yr	148.75	148.75	2,114	138.95	172.55	455.00	79,100	1.93	0.00
6-46	2-02-004-01	46.35	Mgal/yr	363.85	363.85	20,301	319.82	533.03	5,377	1.05E+06	11.12	0.01
6-47	2-02-002-53	1.02	MMcf/yr	20.23	20.23	2,365	0.61	30.84	3,876	120,603	-	33.72
6-48	2-02-001-02	5.15	Mgal/yr	218.88	218.88	3,111	204.46	253.90	669.50	116,390	2.83	0.00
6-49	2-02-001-02	9.10	Mgal/yr	386.75	386.75	5,496	361.27	448.63	1,183	205,660	5.01	0.00
6-50	2-02-001-02	5.15	Mgal/yr	218.88	218.88	3,111	204.46	253.90	669.50	116,390	2.83	0.00
6-51	2-02-004-01	26.50	Mgal/yr	208.03	208.03	11,607	182.85	304.75	3,074	599,635	6.36	0.01
6-52	2-02-001-02	6.80	Mgal/yr	289.00	289.00	4,107	269.96	335.24	884.00	153,680	3.74	0.00
6-53	2-02-002-53	1.03	MMcf/yr	20.40	20.40	2,386	0.62	31.11	3,910	121,666	-	34.02

SECTION 7 – ACTUAL POTENTIAL TO EMIT (APTE)

Table 7-A: Facility-Wide APTE – Regulated Air Pollutant Emissions

Shown below is your source's potential emissions after applying any operational limits or control equipment you elected in Section 6. Emissions are in units of pounds.

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Emission Unit #	SCC Code	Annual Throughput	Throughput Units	PM_{10}	$PM_{2.5}$	NOx	SOx	VOC	CO	GHGs (CO_2e)	LEAD	Total HAP
6-54	2-02-001-02	14.00	Mgal/yr	595.00	595.00	8,456	555.80	690.20	1,820	316,400	7.70	0.01
6-55	2-02-004-01	17.75	Mgal/yr	139.34	139.34	7,775	122.48	204.13	2,059	401,643	4.26	0.00
6-56	2-02-004-01	14.00	Mgal/yr	109.90	109.90	6,132	96.60	161.00	1,624	316,789	3.36	0.00
6-57	2-02-004-01	27.15	Mgal/yr	213.13	213.13	11,892	187.34	312.23	3,149	614,343	6.52	0.01
6-58	2-02-002-53	0.03	MMcf/yr	0.59	0.59	69.46	0.02	0.91	113.83	3,542	-	0.99
6-59	2-02-004-01	21.05	Mgal/yr	165.24	165.24	9,220	145.25	242.08	2,442	476,314	5.05	0.00
6-60	2-02-004-01	26.70	Mgal/yr	209.60	209.60	11,695	184.23	307.05	3,097	604,161	6.41	0.01
6-61	2-02-002-53	0.25	MMcf/yr	4.95	4.95	578.85	0.15	7.55	948.60	29,516	-	8.25
7-1	4-04-004-03	9,636	gal/yr	-	-	-	-	2,400	-	-	-	-
7-2	4-04-004-03	9,636	gal/yr	-	-	-	-	2,400	-	-	-	-
7-3	4-04-004-03	9,636	gal/yr	-	-	-	-	2,400	-	-	-	-

SECTION 7 – ACTUAL POTENTIAL TO EMIT (APTE)

Table 7-A: Facility-Wide APTE – Regulated Air Pollutant Emissions

Shown below is your source's potential emissions after applying any operational limits or control equipment you elected in Section 6. Emissions are in units of pounds.

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Emission Unit #	SCC Code	Annual Throughput	Throughput Units	PM_{10}	$PM_{2.5}$	NOx	SOx	VOC	CO	GHGs (CO_2e)	LEAD	Total HAP

SECTION 7 – ACTUAL POTENTIAL TO EMIT (APTE)

Table 7-D: Actual Potential to Emit and Operating Permit Thresholds

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Criteria Pollutant Name	Emissions (tons per year)	Class II Permitting Threshold (tons per year)	Meet or Exceed?	Class I Permitting Threshold (tons per year)	Meet or Exceed?
PM_{10}	110.73	15.0	**Yes**	100.0	**Yes**
$PM_{2.5}$	110.73				
NOx	237.86	40.0	**Yes**	100.0	**Yes**
SOx	103.58	40.0	**Yes**	100.0	**Yes**
VOC	108.84	40.0	**Yes**	100.0	**Yes**
CO	154.32	50.0	**Yes**	100.0	**Yes**
Lead	5.07	0.6	**Yes**	5.0	**Yes**
GHGs	494,046.00				

HAP Category	Emissions (tons per year)	Class II Permitting Threshold (tons per year)	Meet or Exceed?	Class I Permitting Threshold (tons per year)	Meet or Exceed?
Greatest Single HAP	0.00	2.5	No	10.0	No
Total Combined HAP	3.91	10.0	No	25.0	No

SECTION 8: PERMIT SHIELD

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Part A: Permit Shield Applicability

Do you wish to apply for a 'permit shield' as defined in Article 2, Section 8 of the LLCAPCPRS?

☑ Yes	Yes, I wish to apply for a permit shield.
☐ No	No, I do not wish to apply for a permit shield.

In the space provided under Part B (below), include all regulations from which you would like to be shielded from applicability.

Part B: Regulations Included Under Permit Shield

Regulation Citation (e.g. 40 CFR 63 Subpart A)	Regulation Name (e.g. General Provisions)	Reason(s) why regulation does not apply.
40 CFR 60, Subpart Kb	NSPS for Volatile Organic Liquid Storage Vessels constructed after July 23, 1984	Gasoline from GDF is exempt from this rule. In addition, CCUP USTs were installed prior to applicablity date of rule
40 CFR 61, Subpart I	NESHAP for Radionuclide Emissions from Facilities	UNL City Campus is subject to Nuclear Regulatory Commission as delegated to State of NE, therefore rule does not apply
40 CFR 63, Subpart Q	NESHAP for Industrial Process Cooling Towers	Chromium compounds are not used in cooling towers.
40 CFR Part 64	Compliance Assurance Monitoring	Low NOx burners are part of CCUP boiler design, not control device as defined in CAM rule.
40 CFR Part 68	Chemical Accident Provisions	UNL City Campus does not have more than threshold quantities of any regulated substance on-site.

SECTION 9: APPLICABLE RULES AND REQUIREMENTS

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PART A: Applicable Requirements of the LLCAPCPRS

Applicable requirements for your source may include maintaining allowable stack opacity, maintaining allowable particulate emissions for the total given heat input, adhering to fugitive dust regulations, adhering to the process weight/particulate emissions rates, adhering to all construction permit conditions, etc. In the boxes below, check all of those requirements in the LLCAPCPRS that may apply to your source, and identify the method by which you intend to demonstrate compliance with the requirement. If a requirement does not apply to your source, briefly explain the reason it does not apply.

Requirement Citation & Name	Does standard apply?	If "Yes", describe compliance method. If "No", explain reason it does not apply.
LLCAPCPRS Article 2, Section 18: New Source Performance Standards (40 CFR Part 60)	☑ Yes ☐ No	Describe compliance with each applicable NSPS in Part B, below.
LLCAPCPRS Article 2, Section 19: Prevention of Significant Deterioration (PSD) of Air Quality	☑ Yes ☐ No	UNL City Campus is a major source for PSD, but does not hold any PSD permits.
LLCAPCPRS Article 2, Section 20, paragraph (A): Process Weight Rate-based Particulate Matter (PM) Standards	☐ Yes ☑ No	No affected emission units.
LLCAPCPRS Article 2, Section 20, paragraph (B): Heat Input Rate-based PM Standards for Fuel Combustion Units	☑ Yes ☐ No	Emission rate calculations using EPA-approved emission factors.
LLCAPCPRS Article 2, Section 20, paragraph (E): <20% Opacity of Visible Emissions	☑ Yes ☐ No	Periodic visible emissions monitoring as required by permit.
LLCAPCPRS Article 2, Section 21: Compliance Assurance Monitoring (CAM) (40 CFR Part 64)	☐ Yes ☑ No	Does not apply to Class II sources, but Class I sources must give explanation in Part C.
LLCAPCPRS Article 2, Section 22, paragraphs (B) & (I): Standards for Pathological Material Incinerators	☐ Yes ☑ No	No affected emission units.
LLCAPCPRS Article 2, Section 22, paragraph (C): Standards for Air Curtain Incinerators	☐ Yes ☑ No	No affected emission units.
LLCAPCPRS Article 2, Section 23: Hazardous Air Pollutants - Emission Standards (40 CFR Part 61)	☑ Yes ☐ No	Describe compliance with each applicable HAP standard in Part B, below.
LLCAPCPRS Article 2, Section 24: Sulfur Compound Emissions - Existing Sources - Emission Standards	☑ Yes ☐ No	Emission rate calculations using EPA-approved emission factors.
LLCAPCPRS Article 2, Section 25: Nitrogen Oxides - Emission Standards for Existing Stationary Sources	☐ Yes ☑ No	No affected emission units.
LLCAPCPRS Article 2, Section 26: Acid Rain (40 CFR Parts 72 through 78)	☐ Yes ☑ No	If none apply, in Part C, list any that 'appear' to apply, but do not actually apply.
LLCAPCPRS Article 2, Section 27: Hazardous Air Pollutants - Maximum Achievable Control Technology (MACT)	☐ Yes ☑ No	If none apply, in Part C, list any that 'appear' to apply, but do not actually apply.
LLCAPCPRS Article 2, Section 28: MACT Emission Standards (40 CFR Part 63)	☑ Yes ☐ No	Describe compliance with each applicable MACT standard in Part B, below.
LLCAPCPRS Article 2, Section 32: Dust - Duty to Prevent the Escape Of	☑ Yes ☐ No	Standard Operating Procedure & Best Management Practices

SECTION 9: APPLICABLE RULES AND REQUIREMENTS

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PART B: Applicable Federal Regulations and Additional Applicable LLCAPCPRS

If your source is subject to any federal air regulations set forth under 40 CFR Parts 60, 61, 63, 64, 68, 82, or Parts 72-78, or to additional regulations set forth in the LLCAPCPRS not included in Part A, then in the spaces provided below, list all of those regulations that apply to your source. For each regulation that applies to your source, list which emission unit(s) the rule applies to, and attach a brief explanation of how you intend to comply with the rule.

Regulation Name (e.g. NSPS for Grain Elevators)	Regulation Citation (e.g. 40 CFR 60 Subpart DD)	Emission unit(s) covered by this regulation.
NSPS for Compression Ignition engines	40 CFR 60 Subpart IIII	Emergency generators
NSPS for Spark Ignition engines	40 CFR 60 Subpart JJJJ	Emergency generators
NESHAP for Asbestos	40 CFR 61 Subpart M	Facility-wide Demolition and Renovation
NESHAP for RICE	40 CFR 63 Subpart ZZZZ	Emergency generators
NESHAP for Area Source Boilers	40 CFR 63 Subpart JJJJJJ	Applicable to Boilers #1, #2, #7, and #8
Protection of Stratospheric Ozone	40 CFR 82 Subpart F	Facility-wide
NESHAP for GDF	40 CFR 63 Subpart CCCCCC	Transportation Services; Landscape Services
NSPS for ICI Steam Generating Units	40 CFR 60 Subpart Dc	Applicable to Boilers #1, #2, #7, and #8
Test Methods (Method 9 Opacity)	40 CFR 60, Appendix A	Facility-wide
Mandatory Reporting Rule for GHGs	40 CFR 98 Subpart C	Facility-wide

SECTION 9: APPLICABLE RULES AND REQUIREMENTS

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PART C: Non-Applicable LLCAPCPRS Regulations & Non-Applicable Federal Regulations

For those regulations that would appear to apply to your source, but do not actually apply to your source, use the spaces provided below to provide the citation of the regulation, as well as the reason(s) that the regulation does not apply to your source.

Regulation Citation (e.g. 40 CFR 60 Subpart DD)	Provide the reason(s) the regulation does not apply to your source.
40 CFR 64 - Compliance Assurance Monitoring	**UNL City Campus does not have any emission units using emission control devices to comply with pollutant-specific emission limits (refer to 40CFR64 §64.2(a)(2).**

SECTION 10: COMPLIANCE PLAN

Part A: Compliance Status for Applicable Rules and Requirements	
Will your source be in compliance with all applicable rules and requirements identified in Section 9 of this application, including those that with compliance dates set to take place during the term of the permit?	
☑ **Yes** ☐ **No**	**Proceed to Application Checklist.**

Part B: Applicable Rules and Requirements for Which Compliance Is Not Achieved or Will Not Be Achieved		
Regulation Citation (e.g. 40 CFR 63 Subpart A)	**Regulation Name** (e.g. General Provisions)	**Reason(s) why source will not be in compliance.**

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APPLICATION COMPLETENESS CHECKLIST

Does this application contain confidential information?	☐ Yes ☑ No	**If "Yes" are application pages containing confidential data clearly marked?**	☐ Yes ☑ No or N/A
Continue with the remainder of the checklist.			
Will your source require a Class I (Title V) operating permit?			☑ Yes ☐ No
You must submit the original signed operating permit application, as well as two (2) additional signed copies of the permit application.			

Section Number & Name	Included With Application?	If not included, provide reason.
Section 1: Administrative Information And Responsible Official Certification	☑ Yes ☐ No	
Section 2: Detailed Source Information	☑ Yes ☐ No	
Table 3-A: Emission Unit Identification	☑ Yes ☐ No	
Table 3-B: Stack / Release Point Information	☑ Yes ☐ No	
Table 4-A: Insignificant Activities List	☑ Yes ☐ No	
Table 4-B: Insignificant Lubricating and Heavy Oil Storage Information	☑ Yes ☐ No	
Table 4-C: Insignificant Cooling Towers	☑ Yes ☐ No	
Table 5-A: MPTE – Regulated Air Pollutant Emissions from Physical Plants and Other Equipment	☑ Yes ☐ No	
Table 5-B: Facility-Wide MPTE – VOC Emissions from VOC-Containing Materials	☐ Yes ☑ No	The table is not relevant to the application, and contains no material information.
Table 5-C: Facility-Wide MPTE - HAP Emissions from HAP-Containing Materials	☐ Yes ☑ No	The table is not relevant to the application, and contains no material information.
Table 5-D: Maximum Potential to Emit and Operating / Construction Permit Thresholds	☑ Yes ☐ No	
Section 6: Determination Of Source Class	☑ Yes ☐ No	
Table 6-A: Source-Elected Throughput Limits and Emission Control Requirements	☑ Yes ☐ No	
Table 7-A: Facility-Wide APTE – Regulated Air Pollutant Emissions	☑ Yes ☐ No	
Table 7-B: Facility-Wide APTE – VOC Emissions from VOC-Containing Materials	☐ Yes ☑ No	The table is not relevant to the application, and contains no material information.
Table 7-C: Facility-Wide APTE – HAP Emissions from HAP-Containing Materials	☐ Yes ☑ No	The table is not relevant to the application, and contains no material information.
Table 7-D: Actual Potential to Emit and Operating Permit Thresholds	☑ Yes ☐ No	
Section 8: Permit Shield	☑ Yes ☐ No	

APPLICATION COMPLETENESS CHECKLIST

Section 9: Applicable Rules And Requirements	☑ **Yes** ☐ **No**	
Section 10: Compliance Plan	☑ **Yes** ☐ **No**	
Table 10-A: Compliance Schedule	☐ **Yes** ☑ **No**	Not applicable.

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