


## STATEMENT OF BASIS TO ISSUE A CLASS I (TITLE V) PERMIT TO OPERATE A MAJOR SOURCE OF AIR CONTAMINANTS, & STATEMENT OF BASIS FOR A MINOR-NSR CONSTRUCTION PERMIT

 Lincoln-Lancaster County Health Department	<b>Lincoln-Lancaster County Health Department</b> Environmental Public Health Division Air Quality Program 3131 O Street Lincoln, Nebraska 68510 Phone: (402) 441-8040      Fax: (402) 441-3890	<b>Patricia D. Lopez, RN, MSN</b> Health Director <b>Brock Hanisch, MS, MPH, REHS</b> Environmental Public Health Division Manager <b>Gary R. Bergstrom, Jr.</b> Air Quality Program Supervisor
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<b>LLCHD Air Quality Program Source Number:</b>	<b>00182</b>
<b>Proposed Class I (Title V) Permit Issue Date:</b>	<b>DATE TBD</b>

**Lincoln-Lancaster County Health Department (LLCHD) has made the preliminary determination to issue a Title V permit to operate a Class I source to the following:**

Permit Holder Name:	<b>Molex, LLC</b>
Address:	<b>2222 Wellington Court</b>
City, County, State, ZIP:	<b>Lisle, Illinois 60532</b>

**The proposed permit renewal allows for continued operation of the following source:**

Facility Site Name:	<b>Molex, LLC</b>
Facility Address:	<b>700 Kingbird Road</b>
City, County, State, ZIP:	<b>Lincoln, Lancaster County, Nebraska 68521</b>
Facility NAICS:	<b>334417: Electronic Connector Manufacturing</b>

In accordance with requirements set forth under Article 2, Sections 13 and 14 of the Lincoln-Lancaster County Air Pollution Control Program Regulations and Standards (LLCAPCPRS), the LLCHD may not issue, significantly modify, or renew a Class I (Title V) operating permit until the public, the U.S. Environmental Protection Agency (US EPA), and affected states have been given the opportunity to comment on the draft permit.

Within the 30-day public comment period, any interested person, agency, group, or affected state may request or petition the Director of the LLCHD for a public hearing. All requests for public hearing must be made in writing and must state the nature of the issues to be raised and all arguments and factual grounds supporting their position. If a public hearing is granted by the Director, the hearing will be advertised by public notice at least 30 days prior to its occurrence.

The U.S. EPA may elect to either utilize or waive their 45-day review period following completion of the public comment period. Within the 45-day review period, the U.S. EPA may submit comments on the proposed draft.

A final determination on this permit will be made following the opportunity of the public, the US EPA, and affected states to review and comment on the draft permit, and any/all comments received have been addressed. The conclusion of this document will include a recommendation to either approve or deny the renewal of a Class I (Title V) operating permit for this source.

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### **Section 1 – Introduction**

Molex, LLC (hereinafter referred to as ‘Molex’ or ‘the source’) has applied for an initial Class I (Title V) operating permit for the facility located at 700 Kingbird Road in Lincoln, Nebraska. Article 2, Section 5 of the Lincoln-Lancaster County Health Department Air Pollution Control Program Regulations and Standards (LLCAPPRS) requires that significant sources of air pollutants apply for operating permits. Sources that are required to apply for Class I operating permits are those defined as a major source under the criteria set forth in Article 2, Section 2, paragraph (G) of the LLCAPPRS based on their potential to emit, and sources subject to certain federal emission standards. This permit will replace the facility’s existing Class II operating permit, which was due to expire on September 1, 2022.

Molex submitted the initial Class I (Title V) air quality operating permit application on March 20, 2020, which met the requirements for a ‘timely submittal’ based on when the facility became classified as a ‘major source’ of air pollution following the removal of VOC controls from the Environmental Barrier Application process, as well as the removal of VOC emission limits from a previously issued construction permit. A revised Class I (Title V) operating permit application was submitted on July 7, 2020, to incorporate the removal of throughput limits associated with molding resin (EU 3-1) and parts washer solvents (EU 4-1), as well as updating the potential throughput volumes of stamping lubricants (EU 2-1) and environmental barrier application (EU 6-1).

In September 2021, Molex also requested that facility-wide and emission unit specific HAP limits be removed from previously issued construction permits. Subsequent to the issuance of C.P. #124C and #211, and prior to the formal listing of 1-BP as a HAP in Section 112 of the CAA, Molex identified and commenced utilization of a product that contained no 1-BP in much of its environmental barrier application (EU 6-1), which reduced HAP emissions to less than ‘major source’ thresholds. Construction Permit (C.P.) #124D and C.P. #211A were modified and issued to fulfill that request. Another revised Class I (Title V) operating permit application was submitted on April 15, 2022, to request a permit limit restricting 1-BP emissions from the environmental barrier application (EU 6-1) to 9.5 tons per year. On May 10, 2024 Molex submitted a request to include facility-wide HAP limits.

Molex will operate as a major source of criteria air pollutants, as the maximum potential emissions from this source are in excess of major source thresholds. This source will be classified as an ‘area source’ for

hazardous air pollutants, as the maximum potential emissions of HAP are lower than the ‘major source’ thresholds 10.0 tons/year of any individual HAP, and 25.0 tons/year of total combined HAPs.

This permit issuance incorporates modifications made to previously issued construction permits, requirements of construction permits issued since the Class II operating permit renewal, and any additional changes made to the facility during the term of the previous permit.

## **Section 2 – Permitting History**

### **2.01 – Class II Operating Permit History**

Molex has operated as a Class II source for several years. The initial operating permit for Molex was issued October 22, 1997. Operating permit renewals were issued on September 19, 2002, October 8, 2007, September 1, 2012, and September 1, 2017. Each operating permit renewal typically incorporated any new applicable federal regulations, or applicable requirements under any new/modified construction permits.

### **2.02 – April 1, 2005: Construction Permit #124**

This construction permit was issued to Molex to allow for the installation of the “Auburn Hills Stamping Line”. This initial construction permit placed a limit on emission of volatile organic compounds (VOCs) from the new equipment to no more than 49.0 tons per year. This construction permit also required that no emissions of hazardous air pollutants (HAPs) be generated by this new equipment. The owner/operator was required to maintain monthly records of lubricant use and the amount of VOC emitted.

### **2.03 – October 8, 2007: Construction Permit #124A**

Construction Permit No. 124 was revised and reissued as Construction Permit No. 124A. The revised construction permit included very few changes to the requirements in the original permit, except that the VOC limit for the Auburn Hills Stamping Line was increased from 49 tons per year up to 92.683 tons per year, and the limit was made applicable to all activities associated with metal stamping operations at the facility. In addition, this revised construction permit set facility-wide limits on emissions of criteria air pollutants and hazardous air pollutants. These limits require that actual emissions remain below the major source thresholds set forth in the LLCAPCPRS.

### **2.04 – September 1, 2017: Construction Permit #124B**

Construction Permit #124A was modified and issued as Construction Permit #124B in order to address some issues of potential enforceability of conditions contained within the permit, as well as to address the applicability of ‘facility-wide’ emission limits. Updates to the formatting of the permit were also made at that time. While a more detailed description of the changes made can be found in the ‘Statement of Basis’ for Construction Permit #124B, the changes can be summarized as follows:

- A full, updated listing of emission units was included in the permit to clarify the applicability of the facility-wide emission limits contained in the permit;
- Language regarding the VOC & HAP emission limits set for EU 2-1 (Stamping Operation) was modified to provide improved clarity for enforceability;
- Facility-wide emission limits were revised to ensure that, when added to potential emissions from insignificant activities at the source, the facility would remain a minor source of emissions.

### **2.05 – August 25, 2020: Construction Permit #124C**

This modified permit involved the removal of facility-wide limits on criteria pollutant emissions that established the facility as a minor source of air pollution emissions, following Molex's application for a Class I Operating Permit. Facility-wide limits on HAP emissions were retained in the permit to continue establishing the facility as an 'area source' of HAPs, and the VOC emission limits established for EU 2-1 (Stamping Operation) remained in place. Individual and combined HAP limits were established for EU 2-1 that were intended to avoid the potential for a required 'best available control technology for air toxics' (a.k.a. T-BACT) analysis.

### **2.06 – August 25, 2020: Construction Permit #211**

This construction permit was issued for EU 6-1 (Environmental Barrier Application). When this emission unit was originally installed in August of 2017, the maximum potential emissions of 'volatile organic compounds' (VOCs) was determined to be 25 tons/year, which was less than the VOC construction permit threshold of 40 tons/year, and as such, it did not require a construction permit. A modified construction permit (C.P.) #124B was issued to incorporate the emissions from EU 6-1 into the 'facility-wide' limit on VOC emissions to maintain the facility as a minor source of emissions.

In 2020, and coinciding with the renewal of Molex's Class II operating permit, Molex personnel determined that maximum potential throughput through EU 6-1 is higher than what was originally determined, and the maximum potential emissions from that unit exceed the 40 ton/year construction permit threshold. Construction Permit No. 211 was issued to address minor NSR permitting requirements as a result of the increased PTE.

### **2.07 – December 6, 2021: Construction Permits #124D and #211A**

On June 18, 2020, EPA published granted final approval to petitions that were filed to add 1-Bromopropane (1-BP) to the HAP list found in Section 112 of the Clean Air Act (CAA). At the time, Molex was using a product in EU 6-1 (Environmental Barrier Application) that was composed mostly of 1-BP, and was using a large enough quantity of the product that the resulting emissions would classify Molex as a major source. When EU 6-1 was originally installed and later permitted via C.P. #211, the only regulated emissions from EU 6-1 were VOCs, and accordingly, Molex was not required to perform a 'toxics best available control technology' (T-BACT) analysis pursuant to LLCAPCPRS Article 2, Section 27, paragraph (B) at that time. This was a unique situation, because while the U.S. EPA has revised the list of HAPs several times over the years to remove pollutants from the list, EPA had not previously added any new pollutants to the list.

In order to avoid immediately violating the facility-wide HAP emission limits that were established in C.P. #124C, as well as the HAP emission limits established specifically for EU 6-1, the facility requested that all HAP limits be removed from the permits. C.P. #124D was issued, with the facility-wide HAP emission limits removed. C.P. #211A was issued with the HAP limits for EU 6-1 removed. Molex was not required to perform a T-BACT analysis to accommodate the removal of the HAP limits for EU 6-1, because there was no construction, reconstruction, or modification of the source that increased HAP emissions. The increased HAP emissions were due solely to the listing of 1-BP as a HAP.

## 2.08 – Proposed Permitting Action(s)

This document serves as the factual and legal basis for the following:

- Initial issuance of a Class I (Title V) operating permit for the Molex facility. Molex submitted the initial Class I (Title V) operating permit application based on when the facility became classified as a ‘major source’ of air pollution following the removal of VOC controls from the Environmental Barrier Application process, as well as the removal of VOC emission limits from a previously-issued construction permit. Subsequent to the issuance of C.P. #124C and #211, and prior to the formal listing of 1-BP as a HAP in Section 112 of the CAA, Molex identified and commenced utilization of a product that contained a much smaller quantity of 1-BP, which reduced HAP emissions to less than ‘major source’ thresholds. As such, Molex remains a major source of VOC emissions, but an ‘area source’ of HAP emissions.
- Issuance of Construction Permit #234 for this facility, which will serve to establish facility-wide limits on hazardous air pollutants (HAPs), as well as consolidate and supersede previously issued construction permits #124D and #211A.

The sections that follow provide more information on the source, the nature of emissions from the source, evaluation of the potential to emit, and a discussion of conditions set forth in the proposed permit.

## Section 3 – Source Characterization

### 3.01 – Source Description

Molex is located at 700 Kingbird Road in Lincoln, Nebraska. This facility manufactures electrical connections, which involves the plating of metal substrate with several different types of metal plating materials. These electrical connections also require the molding of plastic components. These processes result in the fugitive release of volatile organic compounds (VOC) and hazardous air pollutants (HAP), as well as particulate matter.

A natural-gas fired pyrolysis oven is used to remove plastic resin that has cooled and dried onto the screws used in the molding presses.

### 3.02 – Significant Sources of Air Pollution

For the purpose of the proposed operating permit, the following emission units constitute the ‘Permitted Source’:

Emission Unit (EU) #	SCC Code	Emission Point Description	Emission Segment Description
1-1	3-09-010-68	Nickel Plating	Fugitive PM <sub>10</sub> , PM <sub>2.5</sub> , & HAP
1-2	3-09-010-98	Caustic Soda Cleaning	Fugitive PM <sub>10</sub> & PM <sub>2.5</sub>
1-3	3-09-010-98	Acid Cleaning	Fugitive PM <sub>10</sub> & PM <sub>2.5</sub>
1-4	3-09-010-45	Copper Plating	Fugitive PM <sub>10</sub> & PM <sub>2.5</sub>
1-5	3-09-010-98	Tin Plating	Fugitive PM <sub>10</sub> & PM <sub>2.5</sub>
1-6	3-09-010-98	Silver Plating	Fugitive PM <sub>10</sub> & PM <sub>2.5</sub>
1-7	3-09-010-98	Gold Plating	Fugitive PM <sub>10</sub> & PM <sub>2.5</sub>
1-8	3-09-010-98	Palladium Plating	Fugitive PM <sub>10</sub> & PM <sub>2.5</sub>
1-9	3-09-010-98	Indium Plating	Fugitive PM <sub>10</sub> & PM <sub>2.5</sub>
2-1	3-09-888-01	Stamping Operation	Fugitive VOC & HAP
3-1	3-08-010-07	Molding Operation	Fugitive VOC
4-1	241-50-000-00	Parts Washers	Fugitive VOC

Emission Unit (EU) #	SCC Code	Emission Point Description	Emission Segment Description
5-1	---	Pyrolysis Oven Vent	Natural Gas Combustion
6-1	---	Environmental Barrier Application	Fugitive VOC & HAP
7-1	---	Production Lubricant	Fugitive VOC

### 3.03 – Insignificant Activities

The LLCHD utilizes the same ‘Insignificant Activities’ list as the Nebraska Department of Environmental Quality. Under that list, stationary external combustion units 10.0 MMBtu/hr or less combusting natural gas, fuel storage and distribution equipment at Class I sources with aggregate annual throughput of less than 1 million gallons for the entire site, and cooling towers with a circulating capacity of less than 2,000 gallons per minute are considered insignificant.

For the purpose of this operating permit, the following activities are considered insignificant sources of emissions:

Insignificant Activity	Description
Housekeeping / Cleaning	This includes general cleaning that may involve any number of materials which are used in relatively small quantities for facility cleaning and maintenance purposes.
Maintenance Spray Booth	This booth may be used during fabrication or maintenance of facility support equipment and fixtures. This booth is not used on a production basis and thus is limited in use, on a demand basis, to provide ventilation during maintenance activities. This equipment utilizes small quantities of coating and chemicals on an intermittent / as-needed / non-production basis.
5 Natural Gas-Fired Boilers	There are five natural gas-fired boilers that all have heat input ratings well below the 10 MMBtu/hr threshold set forth as the significance level for such boilers. These boilers provide comfort heat and are not subject to any applicable MACT or NSPS standards. (The combined heat input of all 5 boilers is 12.88 MMBtu/hr)
12 Cooling Towers	The circulating water flow rate for each of these cooling towers is below the 2,000 gallon per minute (gpm) threshold set forth as the significance threshold for cooling towers.
Volatile Organic Liquid Storage Vessels	55-gallon storage drums (quantity varies) and B-19 storage tank. Emissions of VOC & HAP (if any) are accounted for with the emission units where stored materials are used.

### 3.04 – Source Aerial View

The following image is an aerial view of the Moxel facility, as viewed from the east looking west.



**Section 4 – Emission Characterization**

**4.01 – Emission Calculation Factors and Methods**

The procedures for performing emission calculations are provided in the revised Class I permit application submitted on April 15, 2022. These factors and methods have been used to assess potential to emit and will be used to provide emissions information required for the annual emissions inventory. Molex has used emission factors (EFs) from vendor provided information, material mass balance calculations, emission factors available through the US Environmental Protection Agency’s (US EPA) Compilation of Air Pollutant Emission Factors (AP-42), *WebFIRE*, and other approved sources.

**4.02 – Maximum Potential to Emit (MPTE)**

**4.02.01 –MPTE: Criteria Pollutants, GHG, and Total Combined HAPs**

These figures represent the MPTE under federally enforceable requirements to operate control equipment. The following emissions are derived from the approved application. These emission calculations are based on the highest projected emissions to occur during the term of the permit (through 2029).

Emission Unit	Maximum Annual Process Rate (units)	PM <sub>10</sub> (lbs/yr)	PM <sub>2.5</sub> (lbs/yr)	NO <sub>x</sub> (lbs/yr)	SO <sub>x</sub> (lbs/yr)	VOC (lbs/yr)	CO (lbs/yr)	CO <sub>2e</sub> (lbs/yr)	LEAD (lbs/yr)	Total HAP (lbs/yr)
1-1	74,101 (1000 A-hrs)	6,669	6,669	-	-	-	-	-	-	49,000
1-2	15,768 (MMcf exhaust gas)	1,825	1,825	-	-	-	-	-	-	
1-3										
1-4										
1-5										
1-6										
1-7										
1-8										
1-9										
2-1	34,609 (gallons)	-	-	-	-	185,366*	-	-	-	
3-1	23,000,000 (pounds)	-	-	-	-	11,500	-	-	-	
4-1	450 (gallons)	-	-	-	-	153.00	-	-	-	
5-1	8,760 (hours)	117.00	117.00	237.00	16.00	152.00	438.00	309,002	-	
6-1	170,000 (pounds)	-	-	-	-	170,000*	-	-	-	
7-1	1,500 (gallons)	-	-	-	-	9,810	-	-	-	
<b>Total Emissions (lbs/yr)</b>		8,611	8,611	237.00	16.00	376,981	438.00	309,002	-	49,000
<b>Total Emissions (tons/yr)</b>		4.31	4.31	0.12	0.01	188.50	0.22	154.50	-	24.50

\* - The MPTE of VOCs for these emission units is based on limits established in Construction Permit No. 234.



#### 4.02.02 – MPTE: Individual Hazardous Air Pollutants (HAPs)

The following table is based on HAP emission figures presented in the approved application.

HAP Name	CAS #	Emissions (lbs)	Emissions (tons)
Any Single HAP	---	19,000*	9.50*
Nickel Compounds	7440-02-0	6,669**	3.33
Methanol	67-56-1	3,000	1.50
Catechol	120-80-9	400	0.20
Cyanide Compounds	57-12-5	150	0.08

\* – This limit is established pursuant to Construction Permit #234.

\*\* – 40 CFR 63 Subpart WWWW requires the owner/operator to control nickel emissions through a variety of control methods, but does not establish a minimum control efficiency. The 90% emission control efficiency of the wet scrubber associated with EU 1-1 (Nickel Plating) is not accounted for in this emission total.

#### 4.02.03 – MPTE: Permit Threshold Evaluation

The following table summarizes the source’s maximum potential to emit, and compares it to applicable Class I and Class II operating permit thresholds:

Criteria Pollutant	Emissions (tpy)	Class II Permitting Threshold	Meet or Exceed?	Class I Permitting Threshold	Meet or Exceed?
PM <sub>10</sub>	4.31	≥ 15 tpy	No	≥ 100 tpy	No
PM <sub>2.5</sub>	4.31	N/A	N/A	N/A	N/A
NO <sub>x</sub>	0.12	≥ 40 tpy	No	≥ 100 tpy	No
SO <sub>x</sub>	0.01	≥ 40 tpy	No	≥ 100 tpy	No
VOC	188.50	≥ 40 tpy	Yes	≥ 100 tpy	Yes
CO	0.22	≥ 50 tpy	No	≥ 100 tpy	No
Lead	-	≥ 0.6 tpy	No	≥ 5 tpy	No
CO <sub>2e</sub>	154.50	N/A	N/A	N/A	N/A
Hazardous Air Pollutant	Emissions (tpy)	Class II Permitting Threshold	Meet or Exceed?	Class I Permitting Threshold	Meet or Exceed?
Greatest Single HAP	9.50	≥ 2.5 tpy	Yes	≥ 10.0 tpy	No
Total Combined HAPs	24.50	≥ 10.0 tpy	Yes	≥ 25.0 tpy	No

#### 4.03 – Limited and Controlled Potential to Emit (LCPTe)

The ‘Potential to Emit’ for this facility incorporates limits on emissions and/or operation that are set forth as federally-enforceable conditions of previously-issued construction permits. However, the owner/operator has elected to institute further limitations on emissions/operation in the approved application. The ‘Limited and Controlled Potential to Emit’ will be evaluated in the following subsections.

**4.03.01 – LCPTTE: Criteria Pollutants, GHG, and Total Combined HAPs**

These figures represent the LCPTTE under federally enforceable requirements to limit and/or control emissions, as well as additional limitations elected by the owner/operator in the approved application. The following emissions are derived from the approved application.

Emission Unit	Maximum Annual Process Rate (units)	PM <sub>10</sub> (lbs/yr)	PM <sub>2.5</sub> (lbs/yr)	NO <sub>x</sub> (lbs/yr)	SO <sub>x</sub> (lbs/yr)	VOC (lbs/yr)	CO (lbs/yr)	CO <sub>2e</sub> (lbs/yr)	LEAD (lbs/yr)	Total HAP (lbs/yr)
1-1	74,101 (1000 A-hrs)	666.90	666.90	-	-	-	-	-	-	49,000
1-2	15,768 (MMcf exhaust gas)	182.50	182.50	-	-	-	-	-	-	
1-3										
1-4										
1-5										
1-6										
1-7										
1-8										
1-9										
2-1	34,609 (gallons)	-	-	-	-	185,366	-	-	-	
3-1	23,000,000 (pounds)	-	-	-	-	11,500	-	-	-	
4-1	450 (gallons)	-	-	-	-	153.00	-	-	-	
5-1	8,760 (hours)	117.00	117.00	237.00	16.00	152.00	438.00	309,002	-	
6-1	170,000 (pounds)	-	-	-	-	170,000	-	-	-	
7-1	1,500 (gallons)	-	-	-	-	9,810	-	-	-	
<b>Total Emissions (lbs/yr)</b>		966.40	966.40	237.00	16.00	376,981	438.00	309,002	-	49,000
<b>Total Emissions (tons/yr)</b>		0.48	0.48	0.12	0.01	188.50	0.22	154.50	-	24.50

**4.03.02 – LCPTTE: Individual Hazardous Air Pollutants (HAPs)**

These figures represent the LCPTTE under federally enforceable requirements to limit emissions discussed in Section 4.02.02, as well as other control requirements agreed to by the owner/operator.

HAP Name	CAS #	Emissions (lbs)	Emissions (tons)
Any Single HAP	---	19,000	9.50
Nickel Compounds	7440-02-0	667*	0.33
Methanol	67-56-1	3,000	1.50
Catechol	120-80-9	400	0.20
Cyanide Compounds	57-12-5	150	0.08

\* Incorporates a 90% control efficiency from the Wet Scrubber associated with EU 1-1 (Nickel Plating).

**4.03.03 – LCPTTE: Permit Threshold Evaluation**

The following table summarizes the source’s limited/controlled potential to emit, and compares it to applicable Class I and Class II operating permit thresholds:

Criteria Pollutant	Emissions (tpy)	Class II Permitting Threshold	Meet or Exceed?	Class I Permitting Threshold	Meet or Exceed?
PM <sub>10</sub>	0.48	≥ 15 tpy	No	≥ 100 tpy	No
PM <sub>2.5</sub>	0.48	N/A	N/A	N/A	N/A
NO <sub>x</sub>	0.12	≥ 40 tpy	No	≥ 100 tpy	No
SO <sub>x</sub>	0.01	≥ 40 tpy	No	≥ 100 tpy	No
VOC	188.50	≥ 40 tpy	Yes	≥ 100 tpy	Yes
CO	0.22	≥ 50 tpy	No	≥ 100 tpy	No
Lead	-	≥ 0.6 tpy	No	≥ 5 tpy	No
CO <sub>2e</sub>	154.50	N/A	N/A	N/A	N/A
Hazardous Air Pollutant	Emissions (tpy)	Class II Permitting Threshold	Meet or Exceed?	Class I Permitting Threshold	Meet or Exceed?
Greatest Single HAP	9.50	≥ 2.5 tpy	Yes	≥ 10.0 tpy	No
Total Combined HAPs	24.50	≥ 10.0 tpy	Yes	≥ 25.0 tpy	No

**4.04 – Permit Threshold Evaluation**

As reflected in the table in Section 4.03.03, emissions from this source are of sufficient quantities as to qualify for a Class I operating permit. This source will be classified as a ‘major source’ of air pollution for Class I (Title V) operating permit purposes. This source will be classified as an ‘area source’ of HAP emissions, as the potential to emit both individual and total combined HAPs is limited to less than the major source thresholds.

At this time, the source will not be classified as a ‘major source’ of air pollution for ‘Prevention of Significant Deterioration of Air Quality’ (PSD) purposes. In accordance with 40 CFR Part 52, §52.21(b)(1)(i)(a), a source is a ‘major source’ for PSD purposes if it emits (or has the potential to emit) a regulated pollutant in quantities greater than 100 tons/year AND if it falls into a listed category (refer to §52.21(b)(1)(i)(a)). For sources that do not fall into one of the listed categories, the PSD major source threshold is 250 tons/year pursuant to 40 CFR Part 52, §52.21(b)(1)(i)(b). Molex does not fall under any of the listed source categories found in 40 CFR Part 52, §52.21(b)(1)(i)(a), and emissions of all regulated NSR pollutants are less than 250 tons/year. At the time of permit issuance, the highest potential to emit any NSR regulated pollutant is for VOC (~190 tons/year).

**Section 5 – Applicable and Non-Applicable Regulations & Requirements**

**5.01 – Class I Operating Permit Applicable and Non-Applicable Regulations**

**5.01.01 – Applicable Regulations under the LLCAPCPRS**

(A) The following sections (§) of the LLCAPCPRS are requirements of this permit:

**Table 1-A: Applicable Regulations of the LLCAPCPRS**

<b>Article 1: Administration and Enforcement</b>	
§1	Intent
§2	Unlawful Acts – Permits Required
§3	Violations – Hearings – Orders
§4	Appeal Procedure
§5	Variance
§6	Annual Fees
§7	Compliance – Actions to Enforce – Penalties for Non-Compliance
§8	Procedure for Abatement
§9	Severability
<b>Article 2: Regulations and Standards</b>	
§1	Definitions
§2	Major Sources – Defined
§5	Operating Permits – When Required
§6	Emissions Reporting – When Required
§7	Operating Permits – Application
§8	Operating Permits – Content
§11	Emergency Operating Permits – Defense
§12	Operating Permit Renewal and Expiration
§13	Class I Operating Permit – EPA Review – Affected States Review
§14	Permits – Public Participation
§15	Operating Permit Modifications – Reopening for Cause
§16	Stack Heights – Good Engineering Practice (GEP)
§17	Construction Permits – When Required
§20	Particulate Limitations and Standards
§22	Incinerator Emission Standards
§23	National Emission Standards for Hazardous Air Pollutants (NESHAPs)
§27	Hazardous Air Pollutants – Maximum Achievable Control Technology (MACT)
§28	Hazardous Air Pollutants – Source Category Emission Standards
§29	Operating and Construction Permit Emission Fees
§32	Duty to Prevent Escape of Visible Airborne Dust
§33	Time Schedule for Compliance
§34	Emission Source Testing and Monitoring
§35	Compliance – Exceptions Due to Startup, Shutdown or Malfunction
§36	Control Regulation Circumvention – When Excepted
§37	Compliance – Responsibility of Owner/Operator Pending Review by Director
§38	Emergency Episodes – Occurrence, Control, and Contingency Plans
<b>Appendices</b>	
I	Emergency Emission Reduction Regulations
II	Hazardous Air Pollutants Sorted by Pollutant Name
III	Hazardous Air Pollutants Sorted by CAS Number

**5.01.02 – Applicable Federal Regulations**

- (B) The following Federal Regulations, including those not currently delegated to the LLCHD or not yet included in the LLCAPCPRS, are requirements of this permit:

**Table 1-B: Applicable Federal Regulations**

<b>40 CFR Part 61: National Emission Standards for Hazardous Air Pollutants (NESHAPs)</b>	
<i>Subpart</i>	<i>Subpart Subject</i>
A	General Provisions
M	Asbestos
<b>40 CFR Part 63: Source Category NESHAPs</b>	
<i>Subpart</i>	<i>Subpart Subject</i>
A	General Provisions
WWWWW	Area Source Standards for Plating and Polishing Operations
<b>40 CFR Part 82: Protection of the Stratospheric Ozone</b>	

**5.01.03 – Non-Applicable Local Regulations**

- (C) The following sections of the LLCAPCPRS are not requirements of this permit:

**Table 1-C: LLCAPCPRS Regulations not Incorporated in Permit**

<b>Article 2: Regulations and Standards</b>	
§4	Ambient Air Quality Standards
§9	General Operating Permits for Class I and II Sources
§10	Operating Permits for Temporary Sources & Notification of Relocation of...
§18	New Source Performance Standards (NSPS)
§19	Prevention of Significant Deterioration (PSD) of Air Quality
§21	Compliance Assurance Monitoring (CAM)
§24	Sulfur Compound Emission Standards for Existing Sources
§25	Nitrogen Oxides – Emissions Standards for Existing Stationary Sources
§26	Acid Rain
§3, §30, §31	Reserved

**5.01.04 – Non-Applicable Federal Regulations**

- (D) The following Federal Regulations are not requirements of this permit:

**Table 1-D: Non-Applicable Federal Regulations**

<b>Regulation</b>	<b>Non-Applicable Subparts, Section(s), or Appendix</b>
40 CFR Part 51	Appendix S: Emission Offset Interpretive Ruling
40 CFR Part 60	Entire rule is non-applicable at the time of permit issuance
40 CFR Part 61	All subparts, except those listed as applicable in Table 1-B
40 CFR Part 63	All subparts, except Subparts B–E and those listed as applicable in Table 1-B
40 CFR Part 64	Entire rule is non-applicable at the time of permit issuance
40 CFR Part 68	Entire rule is non-applicable at the time of permit issuance
40 CFR Parts 72 through 78	All Acid Rain rules are non-applicable at the time of permit issuance

**5.01.05 – Applicable State Regulations**

- (E) The following regulation(s) set forth under Title 129 of the Nebraska Administrative Code (Nebraska Air Quality Regulations) do not apply to this source:

**Table 1-E: Non-Applicable State Air Quality Regulations**

<b>Regulation</b>	<b>Regulation Title</b>
Chapter 4	Prevention of Significant Deterioration of Air Quality

**5.01.06 – Applicable Local Ordinances**

(F) The following chapter(s) of the Lincoln Municipal Code (LMC) are requirements of this permit:

**Table 1-F: Applicable Lincoln Municipal Code (LMC) Chapter(s)**

Chapter	Chapter Title
8.06	Air Pollution

**5.02 – Construction Permit #234 (C.P. #234) Applicable and Non-Applicable Regulations**

**5.02.01 – Applicable Regulations under the LLCAPCPRS**

(A) The following sections (§) of the LLCAPCPRS are requirements of this permit:

**Table 1-A: Applicable Regulations of the LLCAPCPRS**

<b>Article 1: Administration and Enforcement</b>	
§1	Intent
§2	Unlawful Acts – Permits Required
§3	Violations – Hearings – Orders
§4	Appeal Procedure
§5	Variance
§6	Annual Fees
§7	Compliance – Actions to Enforce – Penalties for Non-Compliance
§8	Procedure for Abatement
§9	Severability
<b>Article 2: Regulations and Standards</b>	
§1	Definitions
§2	Major Sources – Defined
§4	Ambient Air Quality Standards
§6	Emissions Reporting – When Required
§14	Permits – Public Participation
§15	Permit Modifications – Reopening for Cause
§16	Stack Heights – Good Engineering Practice (GEP)
§17	Construction Permits – When Required
§20	Particulate Limitations and Standards
§23	National Emission Standards for Hazardous Air Pollutants (NESHAPs)
§32	Duty to Prevent Escape of Visible Airborne Dust
§33	Time Schedule for Compliance
§34	Emission Source Testing and Monitoring
§35	Compliance – Exceptions Due to Startup, Shutdown, or Malfunction
§36	Control Regulation Circumvention – When Excepted
§37	Compliance – Responsibility of Owner/Operator Pending Review by Director
§38	Emergency Episodes – Occurrence, Control and Contingency Plans
<b>Appendices</b>	
I	Emergency Emission Reduction Regulations
II	Hazardous Air Pollutants Sorted by Pollutant Name
III	Hazardous Air Pollutants Sorted by CAS Number

### 5.02.02 – Applicable Federal Regulations

(B) The following sections of the LLCAPCPRS are not requirements of this permit:

**Table 1-B: LLCAPCPRS Regulations not Incorporated in Permit**

Article 2: Regulations and Standards	
§5	Operating Permits – When Required
§7	Operating Permits – Application
§8	Operating Permits – Content
§9	General Permits
§10	Operating Permits for Temporary Sources
§11	Emergency Operating Permits – Defense
§12	Operating Permit Renewal and Expiration
§13	Class I Operating Permit – EPA Review – Affected States Review
§18	New Source Performance Standards (NSPS)
§19	Prevention of Significant Deterioration (PSD) of Air Quality
§21	Compliance Assurance Monitoring (CAM)
§22	Incinerator Emission Standards
§24	Sulfur Compound Emission Standards for Existing Sources
§25	Nitrogen Oxide Emissions Standards for Existing Sources
§26	Acid Rain
§27	Hazardous Air Pollutants – Maximum Achievable Control Technology (MACT)
§28	Hazardous Air Pollutants – Source Category Emission Standards
§29	Operating and Construction Permit Emissions Fees
§3, §30, §31	Reserved

(C) The following regulation(s) set forth under Title 129 of the Nebraska Administrative Code (Nebraska Air Quality Regulations) do not apply to this source:

**Table 1-C: Non-Applicable State Air Quality Regulations**

Regulation	Regulation Title
Chapter 4	Prevention of Significant Deterioration of Air Quality

## **Section 6 – Discussion of Proposed Permit Conditions, Monitoring, Reporting, Notification and Record Keeping Requirements**

The following conditions of the proposed permit contain monitoring, reporting, and record keeping requirements, a brief description of the condition is provided:

### **6.01 – Class I Operating Permit Conditions and Requirements**

#### **6.01.01 – General Conditions**

Conditions II through XXIX are general conditions that are applicable to all Class I sources. There will not be an in-depth discussion of these requirements, except to note the following General Conditions specifically related to monitoring, reporting, notification, and record-keeping:

- VI – Annual Emission Fees
- XII – Annual Emission Reporting
- XIII(A) – Timely Applications
- XIII(B) – Certification of Truth, Accuracy, and Completeness
- XIV(C)-(D) – Record Keeping Elements and Retention Times
- XIV(E) – Semi-Annual Monitoring and Deviation Reporting
- XIV(N) – Permit Copy Maintenance and Retention
- XIV(R) – Annual Certification of Compliance

- XVII(F) – Notification of Source Modifications
- XXVII – Startup, Shutdown, and Malfunction (SSM) Provisions
- XXXI – Protection of Stratospheric Ozone (40 CFR 82)

### 6.01.02 – Specific Conditions

The following are specific conditions of the proposed Class I operating permit:

**NOTE:** Many of the ‘Specific Conditions’ of this permit have been incorporated as applicable requirements from Construction Permit #234. The legal and factual bases for those requirements have been established in Section 6.02, and/or for previous versions of the construction permits that are superseded by Construction Permit #234.

Because the legal and factual bases for the conditions in those permits have already been established through previous permitting actions, this document will not contain further explanation or repetition of the legal and factual bases of conditions established pursuant to those construction permits. If you wish to obtain more information on previously issued permits, contact the LLCHD Air Quality Program at (402) 441-8040.

- XXXIII. – Authority for Specific Conditions. The provisions of the regulations cited under this condition establish that the Specific Conditions of this permit are deemed necessary by the Director to protect public health and/or the environment. All terms and conditions of this permit are enforced by the Administrator and the citizens under the Act, except for those terms and conditions that are specifically designated as not being federally enforceable. This condition also establishes the fact that the permit requirements are in accordance with Construction Permit #234, or other authorities as specified in the permit.
- XXXIV. – Source-Wide Requirements. The conditions established in the proposed permit are established pursuant to elections made by the owner/operator in the approved application, or pursuant to applicability criteria set forth in the LLCAPCPRS and/or applicable Federal Regulations.
  - (A) Operating Requirements, Throughput Limits, and/or Work Practice Standards.  
The requirements set forth under this condition serve to:
    - incorporate applicable requirements for operation of incinerators pursuant to Article 2, Section 22 of the LLCAPCPRS;
    - ensure that the units are operated in such a manner that their contributions to air pollution are minimized, and to incorporate any elections made in the approved application by reference; and
    - incorporate by reference any applicable operating requirements, processing limits, or work practice standards established pursuant to applicable federal regulations.
  - (B) Emission Limits and/or Emission Control Requirements.  
The requirements set forth under this condition serve to:
    - incorporate applicable emission limits and emission control requirements set forth in C.P. #234;
    - reiterate particulate matter (PM) emission limits established in LLCAPCPRS Article 2, Sections 20;
    - incorporate applicable emission limits for incinerators set forth in Article 2, Section 22 of the LLCAPCPRS;
    - ensure proper operation and maintenance of elected emission controls;



- incorporate elections made by the owner/operator in the approved application
- ensure proper inspection and maintenance of emission control device(s) as recommended by the equipment manufacturer; and
- incorporate by reference any applicable emission limits or emission control requirements established pursuant to applicable federal regulations.

(C) Emission Calculation and Testing Requirements.

The requirements set forth under this condition serve to:

- establish emission calculation methods and procedures for calculating annual emissions for the emission inventory pursuant to the authorities set forth in LLCAPCPRS Article 2, Section 6, paragraphs (C), (D), and (E);
- establish emission calculation methods by which the owner/operator will demonstrate compliance with the emission limits in Conditions XXXIV(B)(4)(a) and XXXIV(B)(5); and
- incorporate by reference any applicable emission calculation or testing requirements established pursuant to applicable federal regulations.

(D) Monitoring and Record Keeping Requirements.

The requirements set forth under this condition serve to:

- establish monitoring and record keeping provisions necessary to demonstrate ongoing compliance with the emission limits set forth under C.P. #234 as incorporated in Conditions XXXIV(B)(1)-(3);
- establish monitoring and record keeping provisions necessary to demonstrate ongoing compliance with the visible emission limit set forth in Condition XXXIV(B)(4)(b);
- ensure that the owner/operator maintains records adequate to demonstrate compliance with the emission limit set forth in Condition XXXIV(B)(5);
- ensure that the owner/operator maintains records adequate to demonstrate proper operation and maintenance of the elected emission control devices;
- ensure that the owner/operator maintains records adequate to perform all required emission calculations, and maintains records of such calculations;
- allow the owner/operator to keep a single set of records to demonstrate compliance with construction permit requirements that have also been incorporated into the operating permit;
- incorporate by reference any applicable monitoring and record keeping requirements established pursuant to applicable federal regulations.

(E) Notification and Reporting Requirements.

The requirements set forth under this condition serve to:

- reiterate annual emission reporting requirements, and also establish that the owner/operator must submit throughput-related data as deemed necessary by the Director pursuant to the authorities set forth in LLCAPCPRS Article 2, Section 6, paragraph (E);
- ensure that the Department is notified of any changes in materials or material composition that may impact emissions;
- identify the annual compliance certification report preparation and submittal requirements established in 40 CFR Part 63, Subpart WWWWWW;

- allow the owner/operator to submit a single copy of required reports to demonstrate compliance with construction permit requirements that have also been incorporated into the operating permit; and
- incorporate by reference any applicable notification and reporting requirements established pursuant to applicable federal regulations.

(F) Other Requirements.

The requirements set forth under this condition serve to:

- ensure that the owner/operator achieves compliance with compliance with rules and regulations in a timely manner; and
- ensure that any changes at the permitted source that have the potential to effect emissions have been approved by the Department, in order to ensure against significant impacts on ambient air quality, as well as to prevent violations of air quality regulations and standards.

(G) Requirements of the National Emissions Standards for Hazardous Air Pollutants for Source Categories (Source Category NESHAPs) set forth in Title 40, Part 63 of the Code of Federal Regulations (40 CFR Part 63).

The requirements set forth under this condition serve to:

- establish 40 CFR Part 63 Subpart WWWW as an applicable requirement for the permitted source, to identify the provisions of Subpart WWWW that apply specifically to the permitted source, and to incorporate those provisions as applicable requirements by reference; and
- incorporate applicable requirements under 40 CFR Part 63 Subpart A as pursuant to 40 CFR Part 63 Subpart WWWW.

### 6.01.03 – Class I Operating Permit Attachments

**Attachment A: Permit Shield** – The table contained in this attachment establishes equipment at this facility that are shielded from applicability of certain federal regulations, and briefly explains the reasons why the cited regulations are not applicable to the associated equipment.

**Attachment B: Emission Calculation Procedures & Formulas** – This attachment incorporates the emission calculation factors and methods to be used to calculate emissions for the annual emissions inventory, as well as for demonstrating compliance with the VOC and HAP emission limits set forth under Condition XXXIV(B).

**Attachment C: Minor-NSR Construction Permit #234** – This attachment incorporates the specific conditions of Construction Permit #234. As is mentioned in the attachment, the ‘General Conditions’ of the construction permit were not incorporated into the attachment, because many are reflected in the ‘General Conditions’ of the operating permit.

**Attachment D: Visible Emissions Monitoring Procedure** – This attachment provides visible emissions monitoring procedures and record keeping requirements for source implementation in demonstrating compliance with the emission control requirements as established in Condition XXXIV(B)(4)(b) of the permit.

## 6.02 – Construction Permit #234 Conditions and Requirements

### 6.02.01 – General Conditions

Conditions II through XXIV are general conditions that are applicable to all sources obtaining a construction permit. There will not be an in-depth discussion of these requirements, except to note the following General Conditions specifically related to monitoring, reporting, notification, and record-keeping:

- VI – Fees
- XI – Annual Emission Reporting
- XII – Notification of Source Modifications
- XIV(E) – Permit Copy Maintenance and Retention
- XIX(E) – ‘Credible Evidence Rule’
- XX – Startup, Shutdown, and Malfunction (SSM) Provisions

### 6.02.02 – Specific Conditions

The following are specific conditions of the proposed construction permit:

- XXVI. – Source-Wide Requirements. These conditions apply to the facility and emission unit(s) identified as ‘Permitted Emission Units’ on page 2 of the proposed permit.
  - (A) Operating Requirements, Throughput Limits, and/or Work Practice Standards.  
The requirements set forth under this condition serve to:
    - ensure that source units are operated in such a manner that their contributions to air pollution are minimized;
    - recognize that it is the responsibility of the source to implement operating and maintenance according to proper practice; and
    - incorporate any elections made in the approved application by reference.
  - (B) Emission Limits and Emission Control Requirements.  
The requirements set forth under this condition serve to:
    - establish a VOC emission limit on EU 2-1 (Stamping Operation), pursuant to the owner/operator’s request;
    - establish a VOC emission limit on EU 6-1 (Environmental Barrier Application), pursuant to the owner/operator’s request;
    - establish a facility-wide HAP limit.
  - (C) Monitoring and Record Keeping Requirements.  
The requirements set forth under this condition serve to:
    - establish the means by which the owner/operator will demonstrate ongoing compliance with VOC and HAP emission limits set for this source - compliance with this monitoring requirement will allow the owner/operator to confirm the VOC and HAP emission limits required for EU 2-1 and EU 6-1;
    - ensure that the source maintains adequate records to confirm the accuracy of all required emission calculations for both the purposes of complying with emission limits, as well as for submitting annual emission inventories (Note: the owner/operator has supplied emission calculations to the LLCHD, in which EPA-approved emission factors were used to demonstrate compliance with emission limits and these calculations can be found in the approved application).

(D) Notification and Reporting Requirements.

The requirements set forth under this condition serve to:

- reiterate the requirement that the owner/operator is to submit an annual emission inventory and establish the data elements to be included; and
- establish the requirement that the owner/operator is to notify the Department of any exceedance of emission limits if it should occur.

(E) Other Requirements.

The requirements set forth under this condition serve to:

- ensure that the Department is aware of any changes at this source that would result in significant changes to actual emissions as well as the source's potential to emit, including changes to application materials;
- recognize that the conditions set forth in this permit shall remain applicable requirements until such time that the permitted emissions units are removed from the source, are rendered inoperable, or until the owner/operator requests that the permit be nullified;
- provide notice to the owner/operator that he/she is required to receive written approval from the Department prior to making any modifications to the 'Permitted Emission Units' and/or any associated equipment that may increase emissions or change dispersion characteristics; and
- ensure timely compliance with any requirements that would require additional emission controls or monitoring, beyond what has been established in the proposed permit.

**Section 7 – Summary of Permit Conditions Enforceable by Agency**

- (1) LLCHD (Local) – All conditions indicated in this permit.
- (2) EPA (Federal) – All conditions indicated in this permit, with the exception of Condition I(F) (i.e. Lincoln Municipal Code requirements).

**Section 8 – Compliance Assurance Monitoring (CAM)**

It has been determined that 40 CFR Part 64 does not apply to this facility. CAM requirements apply to pollutant-specific emissions units at major sources that are required to obtain a Part 70 (Title V) permit if the unit(s) satisfy all of the criteria set forth in 40 CFR Part 64 §64.2 paragraphs (a)(1-3). CAM does not apply to this source for the following reasons:

- None of the emission units at this source have 'potential pre-control device emissions' in excess of the major source thresholds; and
- None of the emission units at this source are subject to pollutant-specific emission limits.

**Section 9 – Pollution Prevention Opportunities**

The Department encourages Molex, LLC to continually examine its operations for pollution prevention opportunities. The LLCHD can provide technical assistance resources to aid the facility in exploring available pollution prevention options.

## **Section 10 – Environmental Justice Considerations**

The Department utilized the U.S. EPA’s Environmental Justice Screening Tool (EJSCREEN) to determine if there are environmental justice concerns in the area surrounding this facility. The U.S. EPA’s *Technical Guidance for Assessing Environmental Justice in Regulatory Analysis*’ (June 2016) states that, “When using EJSCREEN, the 80<sup>th</sup> percentile is a suggested starting point for the purpose of identifying geographic areas in the United States that may warrant further consideration, analysis, or outreach. That is, if any of the EJ indexes for the areas under consideration are at or above the 80<sup>th</sup> percentile nationally, then further review may be appropriate.”

For urban areas, the Department analyzes a 1-mile radius around the center of the regulated facility. The EJSCREEN analysis performed by LLCHD personnel for this permitting action indicated that, in the 1-mile radius surrounding the approximate center of the facility, there is an affected population of approximately 8,500 people. For the affected population, the following ‘Pollution and Sources’ equaled or exceeded the 80<sup>th</sup> percentile nationally.

- RMP Facility Proximity
- Hazardous Waste Proximity
- Underground Storage Tanks
- Wastewater Discharge

For that population, all ‘Socioeconomic Indicators’ and all ‘Environmental Justice Indexes’ were lower than the 80<sup>th</sup> percentile nationally for the area included in the EJSCREEN analysis.

As a result, the Department encourages the owner/operator to continually evaluate how to effectively provide meaningful engagement to the public on the following, as needed:

- Potential releases of toxic pollutants (hazardous air pollutants), including specific pollutants emitted and potential quantity of each pollutant emitted in excess of each pollutant’s respective ‘Reporting Level’ established in Appendices II and III of the LLCAPCPRS.
- Information regarding any on-site storage of hazardous waste (if any).
- Information regarding any underground storage tanks maintained on-site (if any).
- Guidance on how to obtain copies of operating and construction permits, as well as any associated public document, for public review and comment.

The Department does not have any specific recommendations pertaining to meaningful public engagement on matters relating to wastewater discharge, as those are matters beyond the purview of air quality operating/construction permits.

## **Section 11 – Air Quality Program Recommendation**

The Department proposes approval of a construction permit and a Class I Operating Permit for this facility. Enforceable permit conditions have been provided in the draft permits. A final determination on the permits will be made following the opportunity of the public, the U.S. EPA, and affected states to comment on the proposed Class I operating permit, and also for the public to comment on the proposed construction permit. The permits will not be issued until any/all comments received have been addressed.

## **Section 12 – Public Participation, Affected States Review, and EPA Review**

The following notice is scheduled for publication in the August 23, 2024 edition of the Lincoln Journal Star, which is a newspaper of general circulation in Lancaster County, Nebraska. This notice will also be made available on the LLCHD Air Quality Program website at the following URL:

<http://www.lincoln.ne.gov/city/health/environ/pollu/pubnot.htm>

A copy of this notice will be sent to the affected states, as well as the EPA's Region 7 permits coordinator. Copies of the proposed permits, applications, and this statement of basis document will be provided upon request.

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## NOTICE OF INTENT TO ISSUE PERMIT

### Lincoln-Lancaster County Health Department (LLCHD)

- A. In accordance with Article 2, Sections 13 and 14 of the Lincoln-Lancaster County Air Pollution Control Program Regulations and Standards (LLCAPPRS), the LLCHD gives notice of the preliminary determination to approve the following permitting action(s) for the source identified in item 'B' (below). The 30-day public comment period commences August 23, 2024 and ends on September 22, 2024.
1. Proposed issuance of a Class I (Title V) Operating Permit
  2. Proposed issuance of a minor New Source Review (NSR) Construction Permit
- B. Issuance of the proposed permit allows for continued operation of the subject emission source within Federal, State and Local requirements. Provided below are the name, address, and the North America Industry Classification System (NAICS) code(s) describing the nature of business at the subject emission source:
1. Source Name: Molex, LLC
  2. Source Address: 700 Kingbird Road, Lincoln, NE 68521
  3. NAICS Codes: 334417 (Electronic Connector Manufacturing)
- C. Potential emissions exceed the Class I permit thresholds set forth under Article 2, Section 5 of the LLCAPPRS, and as such, this source qualifies for a Class I operating permit as a 'major source'. However, potential emissions from the facility will be limited to such quantities that it will not be classified as a major source for purposes of the Prevention of Significant Deterioration of Air Quality (PSD) regulations.
- D. The proposed permits will allow for emissions of the following regulated air pollutants in the associated quantities. All quantities are in units of tons per year, or tpy.
- |   |            |
|---|------------|
| Particulate matter <10 micrometers in diameter (PM <sub>10</sub> )              | 0.48 tpy   |
| Particulate matter <2.5 micrometers in diameter (PM <sub>2.5</sub> )            | 0.48 tpy   |
| Oxides of Nitrogen (NO <sub>x</sub> )   | 0.12 tpy   |
| Oxides of Sulfur (SO <sub>2</sub> , SO <sub>3</sub> , and combinations thereof) | 0.01 tpy   |
| Volatile Organic Compounds (VOC)  | 188.50 tpy |
| Carbon Monoxide   | 0.22 tpy   |
| Lead  | <0.01 tpy  |
| Greatest Individual Hazardous Air Pollutant                                     | 9.50 tpy   |
| Total Combined Hazardous Air Pollutants   | 24.50 tpy  |
| Carbon Dioxide Equivalent   | 154.50 tpy |
- E. Lancaster County is an 'attainment/unclassifiable' area for all pollutants subject to the National Ambient Air Quality Standards (NAAQS), meaning air quality in Lancaster County meets or is cleaner than the national standards. This permitting action is not expected to change that status.
- F. The proposed permit, statement of basis, permit application, and a copy of this public notice document are available online at: <http://lincoln.ne.gov>, keyword search "air". Those materials are also available for inspection during business hours at the office of the LLCHD at 3131 O Street, Lincoln, NE 68510. Telephone inquiries regarding this public notice may be directed to the Air Quality Program at 402-441-8040. If alternate formats of materials are needed, please notify the Department by calling 402-441-8040 or 402-441-6284 for TDD users.
- G. Within the 30-day public comment period, any interested person, agency, or group may submit comments on the proposed permit(s), or request or petition the Director of the LLCHD for a public hearing in accordance

with item 'H' below. Comments on the proposed permit(s) may be mailed to the attention of the Air Quality Program Supervisor at the address provided in item 'F' above, or submitted via e-mail to [health@lincoln.ne.gov](mailto:health@lincoln.ne.gov) using the subject line 'Comment on Air Quality Permit'. Individuals commenting via e-mail are asked to provide their home address and phone number for follow-up correspondence.

- H. Requests for public hearing must be made in writing, and must state the nature of the issues to be raised and all arguments and factual grounds supporting their position. If a public hearing is granted by the Director, the hearing will be advertised by public notice at least 30 days prior to its occurrence.
- I. The LLCHD does not discriminate on the basis of race, color, national origin, disability, age, or sex in administration of its programs or activities, and LLCHD does not intimidate or retaliate against any individual or group because of their participation in or opposition to actions protected or prohibited by 40 CFR Part 7, or for the purpose of interfering with any right or privilege guaranteed by 40 CFR Part 7.