



State of New Jersey

PHILIP D. MURPHY
Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

SHAWN M. LATOURETTE
Commissioner

SHEILA Y. OLIVER
Lt. Governor

AIR QUALITY, ENERGY AND SUSTAINABILITY
Division of Air Quality
Bureau of Stationary Sources
401 E. State Street, 2nd floor, P.O. Box 420, Mail Code 401-02
Trenton, NJ 08625-0420

Air Pollution Control Preconstruction Permit and Certificate to Operate Revision

Permit Activity Number: PCP220004

Program Interest No: 36024

Mailing Address	Plant Location
JEFFREY VELENA-LAM SR DIRECTOR, OPERATIONS AGILEX FRAGRANCES 20 ROOSEVELT AVE Somerset, NJ 08873	AGILEX FLAVORS & FRAGRANCES 20 Roosevelt Ave Somerset, Somerset County, New Jersey

Approval Date: <NO DATA FOUND>

Expiration Date: <NO DATA FOUND>

The New Jersey Department of Environmental Protection (Department) has reviewed the above referenced air pollution control permit application. On the basis of the information provided, the Department concludes that the application satisfies all applicable requirements of the New Jersey Air Pollution Control regulations codified at N.J.A.C. 7:27 et seq. This Air Pollution Control Permit modification shall supersede any existing Air Pollution Control Permits issued for the specified source. This permit allows for inspection and evaluation of the equipment by the Department to assure conformance with all provisions of N.J.A.C. 7:27 et seq. and any other applicable federal requirements codified at 40 CFR 52, 60, 61 and 63.

This approval changes certain portions of the previously approved preconstruction permit, and this action does not change the current expiration date of the permit. This approval results in a permit that has replaced the one previously issued, Activity Number PCP170001 and GEN180001.

The equipment, that is authorized to be installed and operated under this approval, is described in Section A, Source Operations and Section D, Equipment Inventory. Equipment at the facility referenced by this Permit shall be operated in accordance with the Conditions of Approval set forth in Section D, Facility Specific Requirements.

The Department hereby issues this permit and certificate under the authority of chapter 106, P.L. 1967(N.J.S.A 26:2C-9.2). You may construct, reconstruct, install, or modify the above referenced equipment and/or control apparatus consistent with the approval.

The approved Permit is available for download in PDF format which contains the facility's specific requirements (compliance plan) at: <http://www.nj.gov/dep/aqpp>. After accessing the web site, click on "Approved PCP Permits" listed under "Reports" and then type in your Program Interest (PI) Number, 36024, as instructed on the screen. You will be able to view, print or electronically store your permit. If you have any questions regarding this permit approval, please contact the Department at the Preconstruction Permit Help Line available from 9:00 AM to 4:00 PM daily, where you may speak to someone about any technical questions you may have. The Preconstruction Permit Technical Help Line number is 609-292-6716.

If, in your judgment as an applicant for an air pollution control permit, the Department is imposing any unreasonable Condition of Approval, you may contest the Department's decision and request a contested case hearing pursuant to the Administrative Code at N.J.A.C. 7:27-1.32(a). All requests for contested case hearings must be received in writing by the Department within twenty (20) calendar days of the date you receive this permit approval and must contain the information specified in the Administrative Hearing Request Checklist and Tracking Form.

If you have any non technical questions please use the Bureau's number 609- 292-0834. If you have any questions when filing a General Permit please use the General Permit Help number 609-633-2829.

Approved by:

(Supervisor's name)
Preconstruction Permits

Administrative Hearing Request Checklist and Tracking Form

I. Document Being Appealed

Name of the Facility	Facility ID Number	Permit Activity Number	Issuance Date
AGILEX FLAVORS & FRAGRANCES	36024	PCP220004	

II. Contact Information

Name of Person Requesting Hearing	Name of Attorney (if applicable)
Address:	Address:
Telephone:	Telephone:

III. Please include the following information as part of your request:

- A. The date the permittee received the permit decision;
- B. Two printed copies of the document being appealed – for submitting to address 1 below;
A PDF copy of the document being appealed on a CD – for submitting to address 2 below
- C. The legal and factual questions you are appealing;
- D. A statement as to whether or not you raised each legal and factual issues during the permit application process;
- E. Suggested revised or alternative permit conditions;
- F. An estimate of the time required for the hearing;
- G. A request, if necessary, for a barrier-free hearing location for physically disabled persons;
- H. A clear indication of any willingness to negotiate a settlement with the Department prior to the Departments processing of your hearing request to the Office of Administrative Law;

Mail this form, completed, signed and dated with all of the information listed above, including attachment, to:

1. New Jersey Department of Environmental Protection
Office of Legal Affairs
Attention: Adjudicatory Hearing Requests
401 E. State Street, P.O. Box 402
Trenton, New Jersey 08625

2. Mail Code: 401-02
New Jersey Department of Environmental Protection
Air Quality Program
P.O. Box 420
Trenton, New Jersey 08625-0420
Phone: (609) 633-2829

Signature

Date

Administrative Hearing Request Checklist and Tracking Form

IV. If you are not the applicant but rather an interested person claiming to be aggrieved by the permit decision, please include the following information:

1. The date you or your agent received notice of the permit decision (include a copy of that permit decision with your hearing request);
2. Evidence that a copy of the request has been delivered to the applicant for the permit which is the subject of the permit decision;
3. A detailed statement of which findings of fact and/or conclusion of law you are challenging;
4. A description of your participation in any public hearings held in connection with the permit application and copies of any written comments you submitted;
5. Whether you claim a statutory or constitutional right to a hearing, and, if you claim such a right, a reference to the applicable statute or explanation of how your property interests are affected by the permit decision;
6. If the appeal request concerns a CAFRA permit decision, evidence that a copy of the request has been delivered to the clerks of the county and the municipality in which the project which is the subject of the permit decision is located;
7. Suggested revised or alternative permit conditions;
8. An estimate of the time required for the hearing;
9. A request, if necessary, for a barrier-free hearing location for physically disable persons;
10. A clear indication of any willingness to negotiate a settlement with the Department prior to the Department's transmittal of the hearing request to the Office of Administrative Law;

Mail this form, completed, signed and dated with all of the information listed above, including attachment, to:

New Jersey Department of Environmental Protection
Office of Legal Affairs
Attention: Adjudicatory Hearing Requests
401 East State Street, P.O. Box 402
Trenton, New Jersey 08625-0402

Mail Code: 401-02
New Jersey Department of Environmental Protection
Air Quality Program
P.O. Box 420
Trenton, New Jersey 08625-0420
Phone: (609) 633-2829

Signature

Date

AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT

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Facility ID No.: 36024

Permit Activity No.: PCP220004

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AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT

Section A

Facility Name: AGILEX FLAVORS & FRAGRANCES

Facility ID No.: 36024

Permit Activity No.: PCP220004

AUTHORIZED SOURCE OPERATIONS

This Preconstruction Permit and the Certificate to Operate for the following equipment is issued pursuant to N.J.A.C. 7:27-8.

Description of Source Activity

Source Operation Type: Flavors and fragrance manufacturing.

Source Operation Description: This operation consists of mixing tanks, blender, mixers and fillers venting to filter followed by concentrator/regenerative thermal oxidizer system.

Source Operation Details: The sources authorized by this permit shall be operated within the parameters specified in the Equipment, Control Device, and/or Emission Unit/Batch Process Operating Scenario Details of this permit. Operation of the authorized sources within these parameters is required in addition to compliance with the conditions specified in Section D- Facility Specific Requirements.

AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT

Section B

Facility Name: AGILEX FLAVORS & FRAGRANCES

Facility ID No.: 36024

Permit Activity No.: PCP220004

ACRONYMS

CEMS	Continuous Emissions Monitor System
CFR	Code of Federal Regulations
CO	Carbon Monoxide
COMS	Continuous Opacity Monitor System
EPA	United States Environmental Protection Agency
EMS	Emission Measurement Section - NJDEP
HAP	Hazardous Air Pollutant
N.J.A.C.	New Jersey Administrative Code
NJDEP	New Jersey Department of Environmental Protection
NOx	Oxides of Nitrogen
PM-2.5	All particulate matter having an aerodynamic diameter less than or equal to a nominal 2.5 microns
PM-10	All particulate matter having an aerodynamic diameter less than or equal to a nominal 10 microns
PST	Performance Specification Test
REO	Regional Enforcement Office - NJDEP
SO ₂	Sulfur Dioxide
TSP	Total Suspended Particulate Matter
VOC	Volatile Organic Compounds

AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT

Section C

Facility Name: AGILEX FLAVORS & FRAGRANCES

Facility ID No.: 36024

Permit Activity No.: PCP220004

GENERAL PROVISIONS AND AUTHORITIES

Preconstruction Permits

1. The permittee shall not construct, reconstruct, install, or modify a significant source or control apparatus serving the significant source without first obtaining a preconstruction permit under N.J.A.C. 7:27-8. [N.J.A.C. 7:27-8.3(a)]
2. The permittee shall not operate (nor cause to be operated) a significant source or control apparatus serving the significant source without a valid operating certificate. [N.J.A.C. 7:27-8.3(b)]

3. Permit Revisions:

The permittee shall not take any action which requires a permit revision, compliance plan change, seven-day-notice change, amendment, or change to a batch plant permit, under any applicable provision at N.J.A.C. 7:27-8.17 through 8.23, without complying with that applicable provision.

The following summarize N.J.A.C. 7:27-8.18 through 8.21:

- a. The permittee shall file a permit revision request and receive approval from the Department prior to increasing any maximum allowable emission limit, increasing actual emissions, to a rate or concentration greater than a maximum allowable emission, causing the emissions of a new air contaminant, use a new raw material, reconstructing equipment, change the ground level concentration of an air contaminant in an area where the public has access, replace the permitted source, or constructing or installing a new significant source. [N.J.A.C. 7:27-8.18]
- b. The permittee shall file a compliance plan change request and receive approval from the Department prior to decreasing the frequency of testing, monitoring, recordkeeping, or reporting, changing the monitoring method, changing a level, rate, or limit of an operational parameter included in the conditions, or reducing a source's potential to emit. [N.J.A.C. 7:27-8.19]
- c. At least seven days prior to proceeding with a physical or operational change that is outside the scope of activities allowed by this permit, but will not increase emissions over the allowable emissions and will not alter the stack characteristics, the permittee shall file a seven-day-notice

change. The permittee may proceed with the proposed changes seven days after such notice is filed with the Department. [N.J.A.C. 7:27-8.20].

- d. The permittee shall file an amendment within 120 days of making any change of the information which allows the Department to identify and contact the permittee, changing the name, number or designation of any equipment or stack covered by this permit, changing the parameters of a stack in such a way to reduce the ground level concentration of an air contaminant, or correction of a typographical error that will not result in an increase of actual or allowable emissions. [N.J.A.C. 7:27-8.21]
The permittee shall review the provisions of N.J.A.C. 7:27-8.18 through 7:27-8.21 to determine the appropriate type of request to file.
4. The permittee shall make the preconstruction permit or certificate, together with any amendments, seven-day-notices, or other documents related to the permit and certificate, readily available for Department inspection on the operating premises. [N.J.A.C. 7:27-8.3(d)]
5. The permittee shall not use or cause to be used the equipment or control apparatus unless all components connected or attached to, or serving, the equipment or control apparatus, are functioning properly and are in compliance with the preconstruction permit and certificate and all conditions and provisions thereto. [N.J.A.C. 7:27-8.3(e)]
6. A preconstruction permit is not transferable either from the location authorized in the preconstruction permit to another location, or from any one piece of control apparatus or equipment to another piece of control apparatus or equipment. [N.J.A.C. 7:27-8.3(f)]
7. Once a permit or certificate is issued, the permittee is fully responsible for compliance with N.J.A.C. 7:27-8 and with the permit and certificate, including adequate design, construction, and operation of the source, even if employees, contractors, or others work on or operate the permitted source. If the Department issues any other requirement with the force of law, such as an order, which applies to the source, the permittee is also responsible for compliance with that requirement. [N.J.A.C. 7:27-8.3(g)]
8. Preconstruction permits and certificates do not any way relieve the permittee from the obligation to obtain necessary permits from other government agencies and to comply with all other applicable Federal, State, and local rules and regulations. [N.J.A.C. 7:27-8.3(h)]
9. The Department and its representatives have the right to enter and inspect any facility or property in accordance with N.J.A.C. 7:27-1.31. [N.J.A.C. 7:27-8.3(m)]
10. There shall be an affirmative defense to liability for penalties for a violation of a preconstruction permit or certificate occurring as a result of an equipment malfunction, an equipment start-up, an equipment shutdown, or during the performance of necessary maintenance. The affirmative defense shall be asserted

- and established as required pursuant to P.L. 1993. c.89 (adding N.J.S.A. 26:2C-19.1 through 2C-19.5) and any rules the Department promulgates thereunder, and shall meet all of the requirements thereof. There shall also be an affirmative defense to liabilities for penalties or other sanctions for noncompliance with any technology based emission limitation in this permit or certificate, if the noncompliance was due to an emergency as defined at N.J.A.C. 7:27-22.1, provided that the affirmative defense is asserted and established in compliance with 40 CFR 70.6(g) and meets all requirements thereof. [N.J.A.C. 7:27-8.3(n)]
11. Any person to whom the Department has issued a preconstruction permit or certificate shall comply with all terms and conditions of any order related to the preconstruction permit or certificate. [N.J.A.C. 7:27-8.13(a)]
 12. The permittee shall maintain all records required in the permit for a period of five (5) calendar years. [N.J.A.C. 7:27-8.13(a)]
 13. The Department may change the conditions of approval of any approved certificate to operate at the time of renewal of a temporary operating certificate; at the time of approval or renewal of a five-year operating certificate; or at any time during the period a certificate is in effect, if the Department determines that such change is necessary to protect human health or welfare or the environment. [N.J.A.C. 7:27-8.13(b)]
 14. Upon request of the Department, the permittee shall submit to the Department information relevant to the operation of equipment and control apparatus including all information specified at N.J.A.C. 7:27-8.13(c). [N.J.A.C. 7:27-8.13(c)]
 15. If the conditions of a preconstruction permit or certificate to operate require the Department to incur any of the following charges, the permittee shall reimburse the Department for the full amount of these charges: (1) The charges billed by any phone company for the maintenance of a dedicated telephone line required by this permit or the certificate to operate for the electronic transmission of data; or (2) The charges billed by any laboratory for performing the analysis of audit samples collected pursuant to testing or monitoring required by this permit or the certificate to operate. [N.J.A.C. 7:27-8.13(g)]
 16. Any failure to comply with the operating requirements or exceedance of emission concentrations specified in a preconstruction permit shall be reported within three (3) business days by calling the Environmental Action Hotline at (877) 927-6337 AND in writing to the Regional Enforcement Office within 30 days of the failure or exceedance. [N.J.A.C. 7:27-8.13(h)]
 17. The permittee shall, when requested by the Department, provide such testing facilities exclusive of instrumentation and sensing devices as may be necessary for the Department to determine the kind and amount of air contaminants emitted from the equipment or control apparatus. The testing facilities shall include the utilities, the structure to hold testing equipment and/or personnel, and any ports in stacks needed to carry out testing required by this permit. During testing by the Department, the equipment and control apparatus shall be operated under such conditions within their capacities as may be requested by the Department. The

- test facilities may be either permanent or temporary, at the discretion of the person responsible for their provision, and shall conform to all applicable laws, regulations, and rules concerning safe construction and safe practice. Testing facilities, which contain platforms and other means of personnel access, shall conform to OSHA standards. [N.J.A.C. 7:27-8.13(i)]
18. Upon request of the Department, the permittee shall submit to the Department any record relevant to any permit or certificate. Such records shall be submitted to the Department within thirty (30) days of the request by the Department or within a longer time period if approved in writing by the Department. [N.J.A.C. 7:27-8.15(a)]
 19. A permittee shall submit any required report in a format and on a schedule approved by the Department. Such report shall be transmitted on paper, by hand delivery, on computer disk, or electronically, at the discretion of the Department. [N.J.A.C. 7:27-8.15(b)]
 20. Any report submitted to the Department, including but not limited to, a report submitted as an amendment of this permit or the certificate to operate pursuant to N.J.A.C. 7:27-8.3(c) shall include, as an integral part of the report, certifications complying with N.J.A.C. 7:27-1.39.
 21. Upon request of the Department, the permittee shall report on forms obtained from the Department the air contaminant actual emissions and information relevant thereto, of any air contaminant or category of air contaminant emitted by the equipment, control apparatus, or source operation. [N.J.A.C. 7:27-8.15(d)]
 22. Any emission limit values in a preconstruction permit shall be interpreted to be followed by inherent trailing zeros (0) in the decimal portion of the limit to three significant figures (e.g. a printed limit of “1 lb/hr” means a limit of “1.00 lb/hr”).
 23. This listing of requirements reflects the state rules and regulations that apply to a majority of sources. If a specific requirement in a rule or regulation that applies to a permittee is not included in this section or in the “Facility Specific Requirements” it does not relieve the permittee from the obligation to comply with that regulation.
 24. The following Department offices may be referenced in a preconstruction permit. Please use the following addresses when submitting any correspondence to these offices:

Emission Measurement Section
Mail Code: 09-01, P.O. Box 420
Trenton, NJ 08625-0420

Central Regional Enforcement Office
Mail Code: 22-03A; P.O. Box 420
Trenton, NJ 08625-0420

Northern Regional Enforcement Office
7 Ridgedale Avenue
Cedar Knolls, NJ 07927

Southern Regional Enforcement Office
2 Riverside Drive – Suite 201
Camden, NJ 08103

25. In accordance with N.J.A.C. 7:27-8.13(e), facilities are subject to 4 billable compliance inspections over the life of the Operating Certificate. Facilities will be invoiced for a service fee per inspection pursuant to N.J.A.C. 7:27-8.6 after the periodic compliance inspection is conducted.
26. The permittee shall pay fees to the Department pursuant to N.J.A.C.7:27-8.

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AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT

Section D

Facility Name: AGILEX FLAVORS & FRAGRANCES

Facility ID No.: 36024

Permit Activity No.: PCP220004

PERMIT INFORMATION

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FACILITY SPECIFIC REQUIREMENTS

REASON FOR APPLICATION

FACILITY PROFILE (GENERAL)

EQUIPMENT INVENTORY

CONTROL DEVICE INVENTORY

EMISSION POINT INVENTORY

EMISSION UNIT/BATCH PROCESS INVENTORY

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AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT

Section D

Facility Name: AGILEX FLAVORS & FRAGRANCES

Facility ID No.: 36024

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FACILITY SPECIFIC REQUIREMENTS INDEX

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New Jersey Department of Environmental Protection
 Facility Specific Requirements

Subject Item: FC

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The Permittee shall not cause, suffer, or allow to emit into the outdoor atmosphere substances in quantities which shall result in air pollution as defined at N.J.A.C. 7:27-5.1. [N.J.A.C. 7:27- 5]	None.	None.	None.
2	The permittee shall not suffer, allow, or permit any air contaminant detectable by the sense of smell to be present in the outdoor atmosphere in such quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or would unreasonably interfere with the enjoyment of life or property. This shall not include an air contaminant which occurs only in areas over which the permittee has exclusive use or occupancy. In determining whether an odor unreasonably interferes with the enjoyment of life or property, the Department shall consider all of the relevant facts and circumstances, including, but not limited to, the character, severity, frequency, and duration of the odor, and the number of persons affected thereby. In considering these and other relevant facts and circumstances, no one factor shall be dispositive, but each shall be considered relevant in determining whether an odor interferes with the enjoyment of life and property, and, if so, whether such interference is unreasonable considering all of the circumstances. [N.J.A.C. 7:27- 8.3(j)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Process monitors must be operated at all times when the associated process equipment is operating except during outage time allowed by Department guidelines/procedures or as outlined in Technical Manual 1005. [N.J.A.C. 7:27-8.13(a)]	None.	Other: Keep records of parameters monitored by the process monitor(s) as instructed by the Department's guidelines/procedures or as outlined in Technical Manual 1005. [N.J.A.C. 7:27-8.13(d)].	None.
4	The permittee shall meet all requirements of the approved source emissions testing and monitoring protocol during the term of the preconstruction permit. Whenever the permittee makes a replacement, modification, change or repair of a certified CEMS or COMS that may significantly affect the ability of the system to accurately measure or record data, the permittee must recertify the CEMS or COMS in accordance with Section V.B. and Appendix E of Technical Manual 1005. The permittee is responsible for contacting the Emission Measurement Section to determine the need for recertification and/or to initiate the recertification process. The permittee is responsible for any downtime associated with the replacement, modification, change or repair of the CEMS or COMS. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.
5	A person who causes a release of air contaminants in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints shall immediately notify the department. A person who fails to so notify the department is liable to the penalties and procedures prescribed in this section. [N.J.S.A. 26: 2C-19(e)]	None.	None.	Notify by phone: Upon occurrence of event. The Permittee shall immediately notify the Department of any non-compliance by calling the Environmental Action Hotline at (877) 927-6337. [N.J.S.A. 26: 2C-19(e)]

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	<p>The permittee is required to submit annual emission statements of their actual emissions if the Potential-to-emit for the entire facility equals to or exceeds any of the following thresholds (including all emissions from the facility, both permitted and unpermitted). Additional information about Emission Statement reports can be obtained by calling (609) 984-5483.</p> <p>Air Contaminant Threshold in Tons per Year:</p> <p>VOC: 10 tons per year NOx: 25 tons per year CO: 100 tons per year SO2: 100 tons per year TSP: 100 tons per year PM2.5: 100 tons per year PM10: 100 tons per year Ammonia (NH3): 100 tons per year Lead(Pb): 5 tons per year</p> <p>[N.J.A.C. 7:27-21]</p>	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	<p>The permittee is required to submit a Title V Operating Permit application, within one year, if the potential-to-emit for the entire facility equal to or exceeds any of the following thresholds (including all emissions from the facility, both permitted and unpermitted). Additional information about Operating Permits can be obtained by calling the Operating Permit Hotline at (609) 633 - 8248.</p> <p>Air Contaminant Threshold in Tons per Year: CO: 100 tons per year PM10: 100 tons per year PM2.5: 100 tons per year TSP: 100 tons per year SO2: 100 tons per year SO2 (as a PM2.5 precursor): 100 tons per year NOx: 25 tons per year NOx (as a PM2.5 precursor): 100 tons per year VOC: 25 tons per year Lead: 10 tons per year Any HAP: 10 tons per year All HAPs collectively: 25 tons per year Any other air contaminant, except CO2: 100 tons per year [N.J.A.C. 7:27-22]</p>	None.	None.	None.
8	<p>Potential to Emit (PTE) of all other air contaminants, not listed in this permit, shall be below their respective reporting thresholds for contaminants listed as N.J.A.C. 7:27-8, Appendix I, Table A, and N.J.A.C. 7:27-17.9(a), as applicable. [N.J.A.C. 7:27- 8.13(h)]</p>	None.	None.	None.
9	<p>The Department and its authorized representatives shall have the right to enter and inspect any facility subject to N.J.A.C. 7:27-8, or portion thereof. [N.J.A.C. 7:27- 1.31]</p>	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Continuous recording for process monitors must be at a sufficient frequency and resolution to be able to document compliance or non-compliance in accordance with Technical Manual 1005 for CEMS (TM1005(B)(3)). [N.J.A.C. 7:27-8.13(a)]	None.	None.	None.
11	Consistent with EPA's National Stack Testing Guidance and Technical Manual 1004, a facility may not stop an ongoing stack test because it would have failed the test unless the facility also ceases operation of the equipment in question to correct the issue. Stopping an ongoing stack test in these instances will be considered credible evidence of emissions non-compliance. [N.J.A.C. 7:27-8.13(a)]	None.	None.	None.
12	All information provided in the application as well as the information related to the application included as Attachments to the application shall be considered as a part of the permit and is subject to enforcement. [N.J.A.C. 7:27-8.13(a)]	None.	None.	None.
13	Any information contained in an approved application and any condition of approval thereof, are subject to enforcement. This includes the following application information, which shall constitute maximum allowable limits, unless the Department establishes other limits in the conditions of approval: 1. Rates of emission of each air contaminant and each category of air contaminant listed; 2. Total hours of operation per time period; and 3. Any rate of production. [N.J.A.C. 7:27-8.13(h)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U1 Blending operations in production area
Subject Item: CD1 Granular activated carbon sacrificial filter

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Differential Pressure ≥ 1 and Differential Pressure ≤ 5 inches w.c.. [N.J.A.C. 7:27-8.13(a)]	Differential Pressure: Monitored by pressure drop instrument continuously. [N.J.A.C. 7:27- 8.13(d)2]	Differential Pressure: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. [N.J.A.C. 7:27- 8.13(d)3]	None.
2	The permittee shall inspect/maintain the filter and replace the filter media on a schedule necessary to achieve the required control efficiency as specified by the manufacturer. [N.J.A.C. 7:27- 8.13(a)]	Monitored by visual determination quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year, based on an instantaneous determination. [N.J.A.C. 7:27- 8.13(d)]	The permittee shall record each instance of dust collector maintenance and filter media replacement. Recordkeeping by manual logging of parameter upon occurrence of event. [N.J.A.C. 7:27- 8.13(d)]	None.

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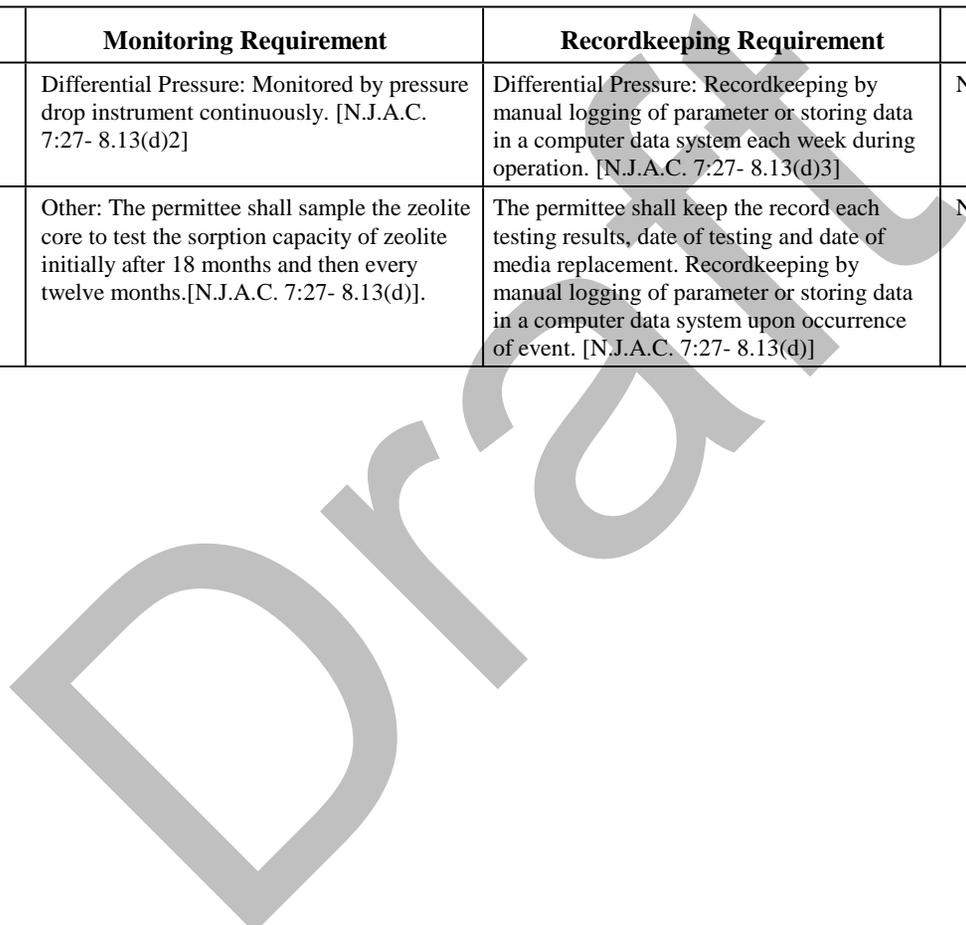
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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U1 Blending operations in production area

Subject Item: CD2 Zeolite Rotary Concentrator

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Differential Pressure ≥ 3 and Differential Pressure ≤ 5 inches w.c.. [N.J.A.C. 7:27- 8.13(a)]	Differential Pressure: Monitored by pressure drop instrument continuously. [N.J.A.C. 7:27- 8.13(d)2]	Differential Pressure: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. [N.J.A.C. 7:27- 8.13(d)3]	None.
2	The permittee shall inspect/maintain the zeolite concentrator and replace the media on a schedule necessary to achieve the required control efficiency as specified by the manufacturer. [N.J.A.C. 7:27- 8.13(a)]	Other: The permittee shall sample the zeolite core to test the sorption capacity of zeolite initially after 18 months and then every twelve months.[N.J.A.C. 7:27- 8.13(d)].	The permittee shall keep the record each testing results, date of testing and date of media replacement. Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27- 8.13(d)]	None.



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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U1 Blending operations in production area

Subject Item: CD3 Regenerative Thermal Oxidizer

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Temperature at Exit of Combustion Chamber \geq 1,500 degrees F. [N.J.A.C. 7:27- 8.13(a)]	Temperature at Exit of Combustion Chamber: Monitored by temperature instrument continuously. An alarm or other operational warning system shall be installed, properly shielded from direct contact with the flame and shall be designed to sound when temperatures less than the permitted operating temperature are detected at any time. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27- 8.13(d)]	Temperature at Exit of Combustion Chamber: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27- 8.13(d)]	None.

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New Jersey Department of Environmental Protection
 Facility Specific Requirements

Emission Unit: U1 Blending operations in production area

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 0.255 tons/yr. [N.J.A.C. 7:27-8.13(a)]	None.	None.	None.
2	PM-10 (Total) <= 0.255 tons/yr. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.
3	PM-2.5 (Total) <= 0.255 tons/yr. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.
4	VOC (Total) <= 0.021 tons/yr. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.
5	NOx (Total) <= 2.04 tons/yr based on 8760 hours per year of operation. [N.J.A.C. 7:27-8.13(a)]	None.	None.	None.
6	CO <= 1.19 tons/yr based on 8760 hours per year of operation. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.
7	Opacity: no visible emissions, exclusive of visible condensed water vapor [N.J.A.C. 7:27- 8.13(a)]	Opacity: Monitored by visual determination each month during operation. Conduct visual inspections during daylight hours to determine if the stack has visible emissions, other than condensed water vapor. [N.J.A.C. 7:27- 8.13(d)]	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain the following records: 1) Date and time of each observation; 2) Emission point (PT) number; 3) Observed results and conclusions; 4) Description of corrective action taken, if needed; 5) Date and time opacity problem was solved, if applicable; 6) Results of opacity reading in accordance with N.J.A.C. 7:27B-2, if conducted; and 7) Name of person(s) conducting visual observations. [N.J.A.C. 7:27- 8.13(d)]	Comply with the requirement: Upon occurrence of event.If visible emissions are observed: (1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the visible emissions problem is not corrected within 24 hours, a certified opacity reader shall perform an opacity observation, in accordance with N.J.A.C. 7:27B-2 each day until the opacity problem is successfully corrected. [N.J.A.C. 7:27- 8.13(d)]
8	Minimum VOC Destruction and Removal Efficiency >= 91 % for CD2 and CD3 combined. [N.J.A.C. 7:27- 8.13(a)]	Minimum VOC Destruction and Removal Efficiency: Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27- 8.13(d)1]	Minimum VOC Destruction and Removal Efficiency: Recordkeeping by stack test results once initially. [N.J.A.C. 7:27- 8.13(d)3]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27- 8.4(f)]

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	THC <= maximum concentration (ppmv) at the common exhaust of CD2 and CD3 as approved by the Emission Measurement Section (EMS). [N.J.A.C. 7:27- 8.13(a)]	Monitored by periodic emission monitoring each month during operation. Monitoring shall be conducted in accordance with the THC Periodic Monitoring Requirements available at the AQPP website www.state.nj.us/dep/aqpp/permitguide.html. [N.J.A.C. 7:27- 8.13(d)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27- 8.13(d)]	None.
10	The permittee shall not transfer any applicable VOC into any receiving vessel, having a maximum capacity of 2,000 gallons or greater, unless such transfer is made through a submerged fill pipe. [N.J.A.C. 7:27-16.4(b)]	None.	None.	None.
11	STACK TESTING SUMMARY The permittee shall conduct a stack test using a protocol approved by the Department to demonstrate compliance with the VOC destruction efficiency of regenerative thermal oxidizer/zeolite concentrator system (NJID # CD2 & CD3) and establish the THC or non-methane hydrocarbon concentration limit (ppmv) to be monitored by periodic monitor while operating all sources in this permit under their respective scenarios. Process air flow rate to the control CD2 of 49000 scfm and air flow rate from laboratory to CD3 of 1800 scfm. The proposed THC or non-methane hydrocarbon concentration limit developed in accordance with the Technical Manual 1005, Appendix D shall be submitted with the compliance stack test report to EMS for approval. Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. [N.J.A.C. 7:27- 8.4(f)]	Other: The stack test must be conducted within 60 days of approval of a timely submitted protocol or within 180 days after startup of the new or modified source, whichever comes later. If a source is subject to NSPS, extending the testing date beyond 180 days after the source's initial startup requires prior approval from US EPA. [N.J.A.C. 7:27-22.18] and [N.J.A.C. 7:27- 8.13(d)].	Other: Recordkeeping as required under the applicable operating scenario(s). [N.J.A.C. 7:27- 8.13(d)].	Stack Test - Submit protocol, conduct test and submit results: Upon occurrence of event. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 09-01A, PO Box 420, Trenton, NJ 08625 within 60 days from the date of the approved preconstruction permit PCP220004. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: https://www.epa.gov/chief . Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact EMS at 609-984-3443 to schedule a mutually acceptable test date. A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 30 days from the date of testing. The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27- 8.4(f)]

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	The permittee shall submit a compliance plan change application to the Department to incorporate approved by Emission Measurement Section (EMS) the maximum THC concentration into the preconstruction permit. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	Submit the required air permit application(s): As per the approved schedule within 30 days from the date of the EMS approval letter. [N.J.A.C. 7:27- 8.13(a)]
13	The permittee shall comply with the Odor Control Plan attached to this permit. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.
14	If odors are verified by the Department additional actions or monitoring may be required by the Department. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.
15	The permittee shall comply with the Administrative Consent Order NEA 200001 conditions [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.

Draft

PCP220004

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U1 Blending operations in production area

Operating Scenario: OS1 Worst case operations of LTK-001, OS2 Worst case operation of LTK-002

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.163 lb/hr. [N.J.A.C. 7:27-8.13(a)]	Other: Conduct an analysis of the source operation, which demonstrates that under worst case operating conditions that maximize the VOC emissions, the VOC emission rate of the source operations is in compliance with N.J.A.C. 7:27-16.16.[N.J.A.C. 7:27-16.16(g)1].	Other: Maintain process records sufficient to demonstrate whether the VOC emission rate of the source operation from actual operations does not exceed the VOC emission rate under worst case operating conditions.[N.J.A.C. 7:27-16.16(g)1ii].	None.
2	TSP <= 0.315 lb/hr. [N.J.A.C. 7:27-8.13(a)]	None.	None.	None.
3	PM-10 (Total) <= 0.315 lb/hr. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.
4	PM-2.5 (Total) <= 0.315 lb/hr. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.
5	Maximum product produced <= 312,000 gallons per year. [N.J.A.C. 7:27- 8.13(a)]	Other: Monitored by batch production records monthly.[N.J.A.C. 7:27- 8.13(d)].	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27- 8.13(d)]	None.

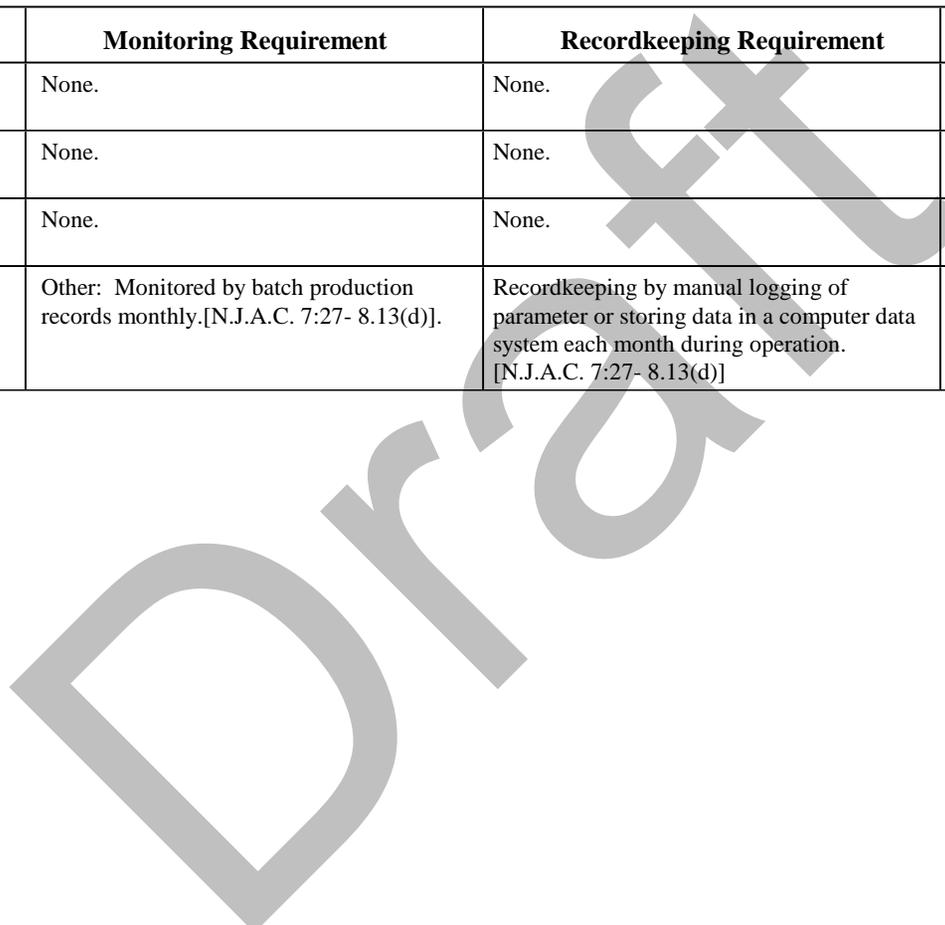
PCP220004

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U1 Blending operations in production area

Operating Scenario: OS3 Worst case operations of MTK-001, OS4 Worst case operations of MTK-002, OS5 Worst case operations of MTK-003

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 0.079 lb/hr. [N.J.A.C. 7:27-8.13(a)]	None.	None.	None.
2	PM-10 (Total) <= 0.079 lb/hr. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.
3	PM-2.5 (Total) <= 0.079 lb/hr. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.
4	Maximum product produced <= 195,000 gallons per year. [N.J.A.C. 7:27- 8.13(a)]	Other: Monitored by batch production records monthly.[N.J.A.C. 7:27- 8.13(d)].	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27- 8.13(d)]	None.



**New Jersey Department of Environmental Protection
Reason for Application**

Permit Being Modified

Permit Class: PCP **Number:** 170001

Description of Modifications: Agilex Flavors & Fragrances, Inc. (Agilex), operates a facility that manufactures, fills, and distributes fragrance-based products. Agilex is a minor source with current emissions of Volatile Organic Compounds (VOCs) of about 0.36 tons/year. Due to odor complaints received from the neighbors, Agilex has voluntarily undertaken designing and installing a Zeolite Rotary Concentrator and Regenerative Thermal Oxidizer (RTO) as a control system with the objective of reducing the potential for nuisance odors beyond the facility's property line. Due to the large volume of air that will be collected for treatment, Agilex has been performing studies and engineering analyses in order to develop an effective means of mitigating any odors generated by the manufacturing process. Agilex completed a pilot study of the effectiveness of a Zeolite rotary concentrator including evaluating the effect of changes in several operating parameters on the adsorption efficiency and has performed preliminary air quality dispersion modeling of various operating scenarios. Data were collected for potential odor producing VOC emissions.

The selected air pollution control equipment will include the installation of paper and granular activated carbon sacrificial filters, blowers and an RTO System consisting of a Zeolite rotary concentrator and an RTO. The main exhaust from the work areas in the facility will be directed to the paper and granular activated carbon sacrificial filters to remove particulates and high boilers, then through the Zeolite rotary concentrator. The concentrated air desorbed from the Zeolite rotary concentrator is then treated by the RTO. There is a separate exhaust from the laboratory which has a significant portion of VOC compounds, but the Zeolite rotary concentrator has a low adsorption efficiency for these VOC compounds. Therefore, the air stream from laboratory will be routed directly to the RTO without passing through the Zeolite rotary concentrator. The exhaust from the Zeolite rotary concentrator and RTO will be combined in a plenum and discharged through a 50-foot-tall stack.

The Zeolite rotary concentrator will reduce the flow required to be treated by the oxidizer to approximately 13 - 16 percent of the total flow, thus making the system more sustainable by greatly reducing the fuel requirements and related emissions of the proposed system. Based on pilot study data and air modeling results, the RTO blower will have the flexibility to operate between an 8:1 and 10:1 ratio of influent air to desorber effluent air to maximize potential odor producing VOC reduction.

This permit application is a revision to the existing PCP 170001, the underlying conditions from the original permit remains the same except for the changed ones are noted in this revision. The equipment listed in the General Permit GEN180001 are also included in this updated application because the vapors emitted from the equipment will be captured and controlled by the proposed control system. GEN180001 will be canceled once this permit is approved. All the vapors generated by the equipment listed on PCP170001 and GEN 180001 will be routed through the paper and granular activated carbon sacrificial filters, Zeolite rotary concentrator and the concentrated air from the Zeolite rotary concentrator will be treated by the RTO. The combined effluent from the Zeolite rotary concentrator and RTO will be discharged through stack (PT1).

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): Agilex Flavors & Fragrances, Inc

Facility ID (AIMS): 36024

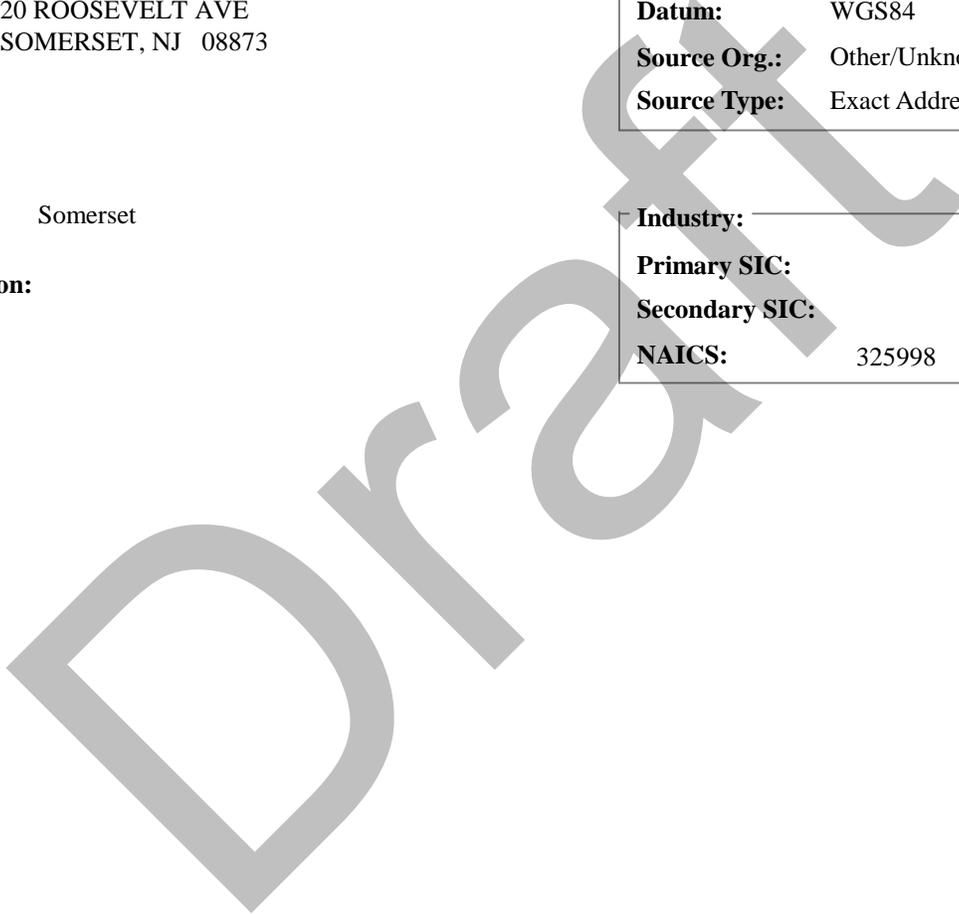
Street 20 ROOSEVELT AVE
Address: SOMERSET, NJ 08873

Mailing 20 ROOSEVELT AVE
Address: SOMERSET, NJ 08873

County: Somerset
Location
Description:

State Plane Coordinates:	
X-Coordinate:	541,475
Y-Coordinate:	81,442
Units:	Long/Lat
Datum:	WGS84
Source Org.:	Other/Unknown
Source Type:	Exact Address Match

Industry:	
Primary SIC:	
Secondary SIC:	
NAICS:	325998



New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Air Permit Information Contact

Organization: Agilex Flavors & Fragrances, Inc.

Org. Type: Corporation

Name: Jeffery Velena-Lam

NJ EIN:

Title: Senior Director of Operations

Phone: (848) 230-6503 x

Mailing Address: 140 Centennial Ave
Piscataway, NJ 08854

Fax: () - x

Other: () - x

Type:

Email: jvelena_lam@agilexfragrances.com

Contact Type: Consultant

Organization: GZA GeoEnvironmental

Org. Type: Corporation

Name: Bhuvnesh Parekh

NJ EIN:

Title: Senior Consultant

Phone: (973) 774-3323 x

Mailing Address: 55 Lane Road
Fairfield, NJ 07004

Fax: () - x

Other: (862) 200-1790 x

Type: Mobile

Email: bhuvnesh.parekh@gza.com

Contact Type: Fees/Billing Contact

Organization: Agilex Flavors & Fragrances, Inc.

Org. Type: Corporation

Name: Jeffery Velena-Lam

NJ EIN:

Title: Senior Director of Operations

Phone: (848) 230-6503 x

Mailing Address: 140 Centennial Ave
Piscataway, NJ 08854

Fax: () - x

Other: () - x

Type:

Email: jvelena_lam@agilexfragrances.com

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: General Contact

Organization: Agilex Flavors & Fragrances, Inc.

Org. Type:

Name: Rodolfo Ramirez

NJ EIN:

Title: Operations Support Manager

Phone: (848) 230-6509 x

Mailing Address: 20 Roosevelt Ave
Somerset, NJ 08873

Fax: () - x

Other: () - x

Type:

Email: RRamirez@agilexfragrances.com

Contact Type: On-Site Manager

Organization: Agilex Flavors & Fragrances, Inc.

Org. Type:

Name: Rodolfo Ramirez

NJ EIN:

Title: Operations Support Manager

Phone: (848) 230-6509 x

Mailing Address: 20 Roosevelt Ave
Somerset, NJ 08873

Fax: () - x

Other: () - x

Type:

Email: RRamirez@agilexfragrances.com

Contact Type: Owner (Current Primary)

Organization: Agilex Flavors & Fragrances, Inc.

Org. Type:

Name: Jeffery Velena-Lam

NJ EIN:

Title: Senior Director of Operations

Phone: () - x

Mailing Address: 140 Centennial Ave
Piscataway, NJ 08854

Fax: () - x

Other: () - x

Type:

Email: jvelena_lam@agilexfragrances.com

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Owner (Former)

Organization: Agilex Flavors & Fragrances, Inc.

Org. Type:

Name: Kevin Gilbert

NJ EIN:

Title: President

Phone: () - x

Mailing Address: 140 Centennial Ave

Fax: () - x

Piscataway, NJ 08854

Other: () - x

Type:

Email: kgilbert@agilexfandf.com

Contact Type: Responsible Official

Organization: Agilex Flavors & Fragrances, Inc.

Org. Type: Corporation

Name: Jeffery Velena-Lam

NJ EIN:

Title: Senior Director of Operations

Phone: (848) 230-6503 x

Mailing Address: 140 Centennial Ave

Fax: () - x

Piscataway, NJ 08854

Other: () - x

Type:

Email: jvelena_lam@agilexfragrances.com

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)									
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)	
IS1	QA/QC Laboratory venting to CD3	Other Equipment	Testing Laboratory	0.132									
IS2	Packaging Area venting to CD1, CD2, and CD3	Manufacturing and Materials Handling Equipment	Behind Production Area	0.058									
IS3	Storage Area venting to CD1, CD2, and CD3	Storage Vessel	Mezzanine and next to Production Area	0.039									
Total				0.229									

**New Jersey Department of Environmental Protection
Equipment Inventory**

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E4	MTK-002	750 gal vessel	Manufacturing and Materials Handling Equipment		4/1/2017	No		
E5	MTK-003	750 gal vessel	Manufacturing and Materials Handling Equipment		4/1/2017	No		
E44	Fricke	Pot filler	Manufacturing and Materials Handling Equipment		4/1/2017	No		
E45	LTK-001	3000 gal vessel	Manufacturing and Materials Handling Equipment		4/1/2017	No		
E46	LTK-002	3000 gal vessel	Manufacturing and Materials Handling Equipment		4/1/2017	No		
E47	MTK-001	750 gal vessel	Manufacturing and Materials Handling Equipment		4/1/2017	No		
E48	P Mixer 1	Manufacturing and Materials Handling Equipment: Mixer 300 Gallon	Manufacturing and Materials Handling Equipment					
E49	P Mixer 2	Manufacturing and Materials Handling Equipment: Mixer 300 Gallon	Manufacturing and Materials Handling Equipment					
E50	P Mixer 3	Manufacturing and Materials Handling Equipment: Mixer 300 Gallon	Manufacturing and Materials Handling Equipment					

**New Jersey Department of Environmental Protection
Equipment Inventory**

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E51	P Mixer 4	Manufacturing and Materials Handling Equipment: Mixer 300 Gallon	Manufacturing and Materials Handling Equipment					
E52	P Mixer 5	Manufacturing and Materials Handling Equipment: Mixer 300 Gallon	Manufacturing and Materials Handling Equipment					
E53	P Mixer 6	Manufacturing and Materials Handling Equipment: Mixer 150 Gallon	Manufacturing and Materials Handling Equipment					
E54	P Mixer 7	Manufacturing and Materials Handling Equipment: Mixer 150 Gallon	Manufacturing and Materials Handling Equipment					
E55	P Mixer 8	Manufacturing and Materials Handling Equipment: Mixer 150 Gallon	Manufacturing and Materials Handling Equipment					
E56	P Mixer 9	Manufacturing and Materials Handling Equipment: Mixer 150 Gallon	Manufacturing and Materials Handling Equipment					
E57	P Mixer 10	Manufacturing and Materials Handling Equipment: Mixer 150 Gallon	Manufacturing and Materials Handling Equipment					
E58	P Mixer 11	Manufacturing and Materials Handling Equipment: Mixer 150 Gallon	Manufacturing and Materials Handling Equipment					
E59	P Mixer 12	Manufacturing and Materials Handling Equipment: Mixer 150 Gallon	Manufacturing and Materials Handling Equipment					

**New Jersey Department of Environmental Protection
Equipment Inventory**

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E61	P Mixer 13	Manufacturing and Materials Handling Equipment: Mixer 150 Gallon	Manufacturing and Materials Handling Equipment					
E62	P Mixer 14	Manufacturing and Materials Handling Equipment: Mixer 150 Gallon	Manufacturing and Materials Handling Equipment					
E63	L Mixer 1	Manufacturing and Materials Handling Equipment: Mixer 135 Gallon	Manufacturing and Materials Handling Equipment					
E64	L Mixer 2	Manufacturing and Materials Handling Equipment: Mixer 135 Gallon	Manufacturing and Materials Handling Equipment					
E65	L Mixer 3	Manufacturing and Materials Handling Equipment: Mixer 135 Gallon	Manufacturing and Materials Handling Equipment					
E66	L Mixer 4	Manufacturing and Materials Handling Equipment: Mixer 135 Gallon	Manufacturing and Materials Handling Equipment					
E67	L Mixer 5	Manufacturing and Materials Handling Equipment: Mixer 135 Gallon	Manufacturing and Materials Handling Equipment					
E68	L Mixer 6	Manufacturing and Materials Handling Equipment: Mixer 135 Gallon	Manufacturing and Materials Handling Equipment					
E69	L Mixer 7	Manufacturing and Materials Handling Equipment: Mixer 135 Gallon	Manufacturing and Materials Handling Equipment					

**New Jersey Department of Environmental Protection
Equipment Inventory**

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E70	L Mixer 8	Manufacturing and Materials Handling Equipment: Mixer 135 Gallon	Manufacturing and Materials Handling Equipment					
E71	L Mixer 9	Manufacturing and Materials Handling Equipment: Mixer 135 Gallon	Manufacturing and Materials Handling Equipment					
E72	L Mixer 10	Manufacturing and Materials Handling Equipment: Mixer 135 Gallon	Manufacturing and Materials Handling Equipment					
E73	L Mixer 11	Manufacturing and Materials Handling Equipment: Mixer 135 Gallon	Manufacturing and Materials Handling Equipment					
E74	L Mixer 12	Manufacturing and Materials Handling Equipment: Mixer 135 Gallon	Manufacturing and Materials Handling Equipment					
E75	S Mixer 1	Manufacturing and Materials Handling Equipment: Mixer 90 Gallon	Manufacturing and Materials Handling Equipment					
E76	S Mixer 2	Manufacturing and Materials Handling Equipment: Mixer 90 Gallon	Manufacturing and Materials Handling Equipment					
E77	S Mixer 3	Manufacturing and Materials Handling Equipment: Mixer 90 Gallon	Manufacturing and Materials Handling Equipment					
E78	S Mixer 4	Manufacturing and Materials Handling Equipment: Mixer 90 Gallon	Manufacturing and Materials Handling Equipment					

**New Jersey Department of Environmental Protection
Equipment Inventory**

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E79	S Mixer 5	Manufacturing and Materials Handling Equipment: Mixer 90 Gallon	Manufacturing and Materials Handling Equipment					
E80	S Mixer 6	Manufacturing and Materials Handling Equipment: Mixer 90 Gallon	Manufacturing and Materials Handling Equipment					
E81	S Mixer 7	Manufacturing and Materials Handling Equipment: Mixer 90 Gallon	Manufacturing and Materials Handling Equipment					
E82	S Mixer 8	Manufacturing and Materials Handling Equipment: Mixer 90 Gallon	Manufacturing and Materials Handling Equipment					
E83	S Mixer 9	Manufacturing and Materials Handling Equipment: Mixer 90 Gallon	Manufacturing and Materials Handling Equipment					
E84	S Mixer 10	Manufacturing and Materials Handling Equipment: Mixer 90 Gallon	Manufacturing and Materials Handling Equipment					
E85	S Mixer 11	Manufacturing and Materials Handling Equipment: Mixer 90 Gallon	Manufacturing and Materials Handling Equipment					
E86	S Mixer 12	Manufacturing and Materials Handling Equipment: Mixer 90 Gallon	Manufacturing and Materials Handling Equipment					
E87	S Mixer 13	Manufacturing and Materials Handling Equipment: Mixer 90 Gallon	Manufacturing and Materials Handling Equipment					

PCP220004

**New Jersey Department of Environmental Protection
Equipment Inventory**

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E88	S Mixer 14	Manufacturing and Materials Handling Equipment: Mixer 90 Gallon	Manufacturing and Materials Handling Equipment					
E89	S Mixer 15	Manufacturing and Materials Handling Equipment: Mixer 90 Gallon	Manufacturing and Materials Handling Equipment					
E90	A-30 Filling	Manufacturing and Materials Handling Equipment: Filling Vessel	Manufacturing and Materials Handling Equipment					
E91	Hot Gel	Manufacturing and Materials Handling Equipment: Mixing	Manufacturing and Materials Handling Equipment					
E92	Ribbon Blend	Manufacturing and Materials Handling Equipment: Blending	Manufacturing and Materials Handling Equipment					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E4 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixing tank"/>
Capacity:	<input type="text" value="7.50E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E5 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixing tank"/>
Capacity:	<input type="text" value="7.50E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E44 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	
Manufacturer:	Fricke
Model:	
Type of Manufacturing and Materials Handling Equipment:	Pot filling
Capacity:	2.00E+01
Units:	other units
Description (if other):	kg pot size * 6 pots
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	6 Station 20 kg automated pot filling operation

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E45 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixing tank"/>
Capacity:	<input type="text" value="3.00E+03"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E46 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixing tank"/>
Capacity:	<input type="text" value="3.00E+03"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E47 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixing tank"/>
Capacity:	<input type="text" value="7.50E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E48 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="SPX"/>
Manufacturer:	<input type="text" value="Lightnin"/>
Model:	<input type="text" value="X5P50"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="3.00E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E49 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	SPX
Manufacturer:	Lightnin
Model:	X5P50
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	3.00E+02
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Equipment location: Mixing Area

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E50 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="SPX"/>
Manufacturer:	<input type="text" value="Lightnin"/>
Model:	<input type="text" value="X5P50"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="3.00E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E51 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="SPX"/>
Manufacturer:	<input type="text" value="Lightnin"/>
Model:	<input type="text" value="X5P50"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="3.00E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E52 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="SPX"/>
Manufacturer:	<input type="text" value="Lightnin"/>
Model:	<input type="text" value="X5P50"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="3.00E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E53 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="SPX"/>
Manufacturer:	<input type="text" value="Lightnin"/>
Model:	<input type="text" value="X5P50"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="1.50E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E54 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="SPX"/>
Manufacturer:	<input type="text" value="Lightnin"/>
Model:	<input type="text" value="X5P50"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="1.50E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E55 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="SPX"/>
Manufacturer:	<input type="text" value="Lightnin"/>
Model:	<input type="text" value="X5P50"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="1.50E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E56 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="SPX"/>
Manufacturer:	<input type="text" value="Lightnin"/>
Model:	<input type="text" value="X5P50"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="1.50E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E57 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="SPX"/>
Manufacturer:	<input type="text" value="Lightnin"/>
Model:	<input type="text" value="X5P50"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="1.50E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E58 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="SPX"/>
Manufacturer:	<input type="text" value="Lightnin"/>
Model:	<input type="text" value="X5P50"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="1.50E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E59 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="SPX"/>
Manufacturer:	<input type="text" value="Lightnin"/>
Model:	<input type="text" value="X5P50"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="1.50E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E61 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="SPX"/>
Manufacturer:	<input type="text" value="Lightnin"/>
Model:	<input type="text" value="X5P50"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="1.50E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E62 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="SPX"/>
Manufacturer:	<input type="text" value="Lightnin"/>
Model:	<input type="text" value="X5P50"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="1.50E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E63 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	Baldor
Manufacturer:	Baldor
Model:	VL5023A
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	1.35E+02
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Equipment location: Mixing Area

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E64 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="Baldor"/>
Manufacturer:	<input type="text" value="Baldor"/>
Model:	<input type="text" value="VL5023A"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="1.35E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E65 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	Baldor
Manufacturer:	Baldor
Model:	VL5023A
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	1.35E+02
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Equipment location: Mixing Area

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E66 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	Baldor
Manufacturer:	Baldor
Model:	VL5023A
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	1.35E+02
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Equipment location: Mixing Area

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E67 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="Baldor"/>
Manufacturer:	<input type="text" value="Baldor"/>
Model:	<input type="text" value="VL5023A"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="1.35E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E68 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="Baldor"/>
Manufacturer:	<input type="text" value="Baldor"/>
Model:	<input type="text" value="VL5023A"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="1.35E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E69 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	Baldor
Manufacturer:	Baldor
Model:	VL5023A
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	1.35E+02
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Equipment location: Mixing Area

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E70 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="Baldor"/>
Manufacturer:	<input type="text" value="Baldor"/>
Model:	<input type="text" value="VL5023A"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="1.35E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E71 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="Baldor"/>
Manufacturer:	<input type="text" value="Baldor"/>
Model:	<input type="text" value="VL5023A"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="1.35E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E72 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	Baldor
Manufacturer:	Baldor
Model:	VL5023A
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	1.35E+02
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Equipment location: Mixing Area

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E73 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="Baldor"/>
Manufacturer:	<input type="text" value="Baldor"/>
Model:	<input type="text" value="VL5023A"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="1.35E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E74 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="Baldor"/>
Manufacturer:	<input type="text" value="Baldor"/>
Model:	<input type="text" value="VL5023A"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="1.35E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E75 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	Baldor
Manufacturer:	Baldor
Model:	IDXM7002
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	9.00E+01
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Equipment location: Mixing Area

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E76 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	Baldor
Manufacturer:	Baldor
Model:	IDXM7002
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	9.00E+01
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Equipment location: Mixing Area

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E77 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	Baldor
Manufacturer:	Baldor
Model:	IDXM7002
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	9.00E+01
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Equipment location: Mixing Area

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E78 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	Baldor
Manufacturer:	Baldor
Model:	IDXM7002
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	9.00E+01
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Equipment location: Mixing Area

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E79 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	Baldor
Manufacturer:	Baldor
Model:	IDXM7002
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	9.00E+01
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Equipment location: Mixing Area

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E80 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="Baldor"/>
Manufacturer:	<input type="text" value="Baldor"/>
Model:	<input type="text" value="IDXM7002"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer"/>
Capacity:	<input type="text" value="9.00E+01"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Mixing Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E81 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	Baldor
Manufacturer:	Baldor
Model:	IDXM7002
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	9.00E+01
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Equipment location: Mixing Area

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E82 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	Baldor
Manufacturer:	Baldor
Model:	IDXM7002
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	9.00E+01
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Equipment location: Mixing Area

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E83 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	Baldor
Manufacturer:	Baldor
Model:	IDXM7002
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	9.00E+01
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Equipment location: Mixing Area

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E84 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	Baldor
Manufacturer:	Baldor
Model:	IDXM7002
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	9.00E+01
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Equipment location: Mixing Area

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E85 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	Baldor
Manufacturer:	Baldor
Model:	IDXM7002
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	9.00E+01
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Equipment location: Mixing Area

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E86 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	Baldor
Manufacturer:	Baldor
Model:	IDXM7002
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	9.00E+01
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Equipment location: Mixing Area

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E87 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	Baldor
Manufacturer:	Baldor
Model:	IDXM7002
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	9.00E+01
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Equipment location: Mixing Area

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E88 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	Baldor
Manufacturer:	Baldor
Model:	IDXM7002
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	9.00E+01
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Equipment location: Mixing Area

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E89 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	Baldor
Manufacturer:	Baldor
Model:	IDXM7002
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	9.00E+01
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Equipment location: Mixing Area

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E90 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="Fricke"/>
Manufacturer:	<input type="text" value="Fricke"/>
Model:	<input type="text" value="3224-040"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Automatic Filler"/>
Capacity:	<input type="text" value="3.00E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Equipment location: Filling Area"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E91 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	<input type="text" value="Sterling"/>
Manufacturer:	<input type="text" value="Sterling"/>
Model:	<input type="text" value="SBY054MCA"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Hot Gel"/>
Capacity:	<input type="text" value="1.58E+02"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	<input type="text" value="Equipment location: Hot Melt Room"/>

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 E92 (Manufacturing and Materials Handling Equipment)
Print Date: 9/27/2022

Make:	Industrial Electric Motor
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	Ribbon Blender
Capacity:	3.00E+02
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Equipment location: RB Room

Draft

New Jersey Department of Environmental Protection
Control Device Inventory

CD NJID	Facility's Designation	Description	CD Type	Install Date	Grand-Fathered	Last Mod. (Since 1968)	CD Set ID
CD1	Prefilter	Granular activated carbon sacrificial filter	Adsorber		No		
CD2	Zeolite Ads.	Zeolite Rotary Concentrator	Adsorber		No		
CD3	RTO	Regenerative Thermal Oxidizer	Oxidizer (Thermal)		No		

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 CD1 (Adsorber)
Print Date: 12/15/2022

Make:	
Manufacturer:	Anguil
Model:	Carbon Tray
Adsorber Type:	Other
Description:	Carbon
Maximum Gas Flow Rate to Adsorber (acfm):	60000
Maximum Temperature of Vapor Stream to Adsorber (°F):	120
Minimum Temperature of Vapor Stream to Adsorber (°F):	70
Minimum Moisture Content of Vapor Stream to Adsorber (%):	
Type of Adsorbant:	Carbon
Bed Height:	0.17
Bed Length:	41.67
Bed Width:	12.5
Units:	Feet
Other Bed Dimension:	91 total "shelves" of carbon (preliminary)
Value:	91
Units:	Shelves
Minimum Pressure Drop Across Adsorbant (in. H2O):	1
Maximum Pressure Drop Across Adsorber (in. H2O):	5
Total Weight of Adsorbant (lbs):	1605
Total Weight of Adsorbant When Saturated (lbs):	1926
Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	20
Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Set-up Type:	Single
Method of Determining Breakthrough (check all that apply):	
Continuous Emissions Monitor (CEM):	<input type="checkbox"/>
Replacement By Weight:	<input type="checkbox"/>
Periodic Testing:	<input type="checkbox"/>
Sampling Frequency:	
Sampling Device:	
Other:	<input type="checkbox"/>
Description:	
Minimum Concentration at Breakthrough (ppmvd):	
Handling Method of Saturated Adsorbant:	
Method of Regeneration:	

Maximum Number of Sources
Using this Apparatus as a Control
Device (Include Permitted and
Non-Permitted Sources):

52

Alternative Method to Demonstrate
Control Apparatus is Operating
Properly:

Have you attached data from
recent performance testing?

Yes No

Have you attached any
manufacturer's data or
specifications in support of the
feasibility and/or effectiveness of
this control apparatus?

Yes No

Have you attached a diagram
showing the location and/or
configuration of this control
apparatus?

Yes No

Comments:

50 significant sources and two insignificant sources
(packaging and storage area) venting to adsorber

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 CD2 (Adsorber)
Print Date: 12/15/2022

Make:	Anguil
Manufacturer:	Anguil
Model:	M500
Adsorber Type:	Fixed (Regenerative)
Description:	
Maximum Gas Flow Rate to Adsorber (acfm):	46443
Maximum Temperature of Vapor Stream to Adsorber (°F):	100
Minimum Temperature of Vapor Stream to Adsorber (°F):	70
Minimum Moisture Content of Vapor Stream to Adsorber (%):	30
Type of Adsorbant:	Zeolite - Type HZ-XM
Bed Height:	5.17
Bed Length:	5
Bed Width:	5
Units:	Feet
Other Bed Dimension:	
Value:	
Units:	
Minimum Pressure Drop Across Adsorbant (in. H2O):	3
Maximum Pressure Drop Across Adsorber (in. H2O):	5
Total Weight of Adsorbant (lbs):	3800
Total Weight of Adsorbant When Saturated (lbs):	4050
Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	0.07
Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Set-up Type:	Single
Method of Determining Breakthrough (check all that apply):	
Continuous Emissions Monitor (CEM):	<input type="checkbox"/>
Replacement By Weight:	<input type="checkbox"/>
Periodic Testing:	<input type="checkbox"/>
Sampling Frequency:	
Sampling Device:	
Other:	<input type="checkbox"/>
Description:	
Minimum Concentration at Breakthrough (ppmvd):	
Handling Method of Saturated Adsorbant:	Regenerated on-site
Method of Regeneration:	

Maximum Number of Sources
Using this Apparatus as a Control
Device (Include Permitted and
Non-Permitted Sources):

52

Alternative Method to Demonstrate
Control Apparatus is Operating
Properly:

Have you attached data from
recent performance testing?

Yes No

Have you attached any
manufacturer's data or
specifications in support of the
feasibility and/or effectiveness of
this control apparatus?

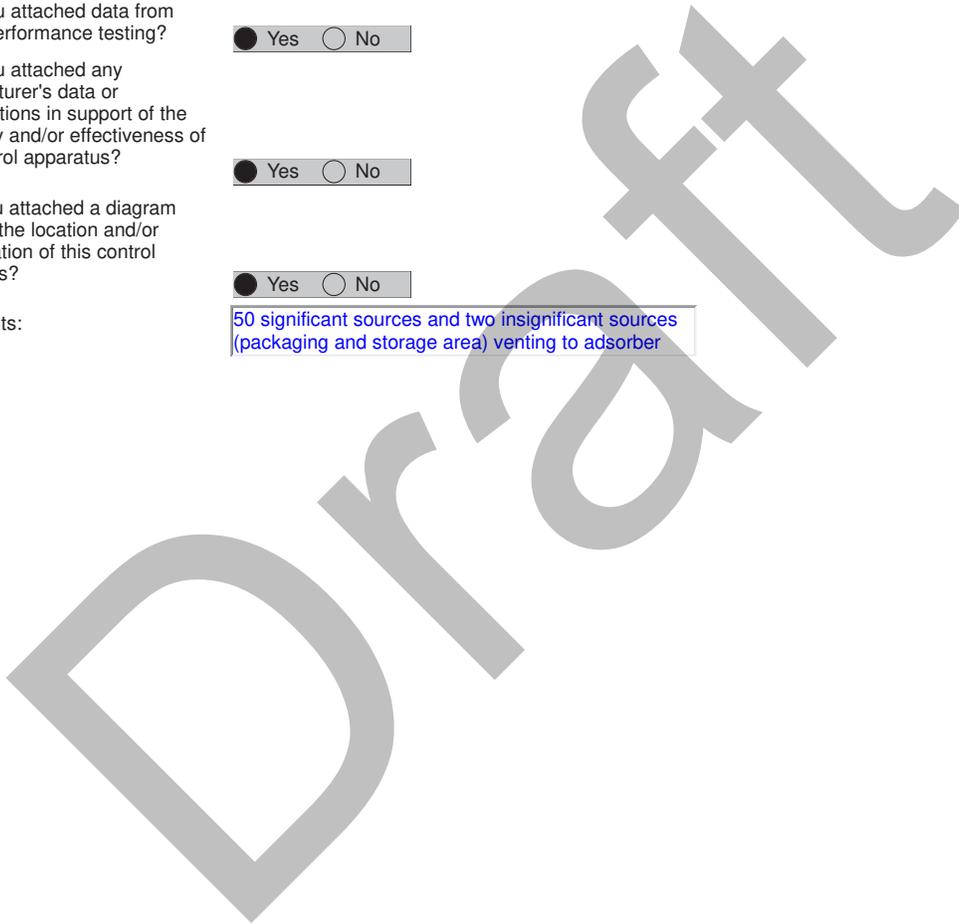
Yes No

Have you attached a diagram
showing the location and/or
configuration of this control
apparatus?

Yes No

Comments:

50 significant sources and two insignificant sources
(packaging and storage area) venting to adsorber



36024 AGILEX FLAVORS_FRAGRANCES PCP220004 CD3 (Oxidizer (Thermal))
Print Date: 12/15/2022

Make:	Anguil
Manufacturer:	Anguil
Model:	M75
Minimum Chamber Temperature (°F):	1550
Minimum Residence Time (sec):	0.6
Fuel Type:	Natural gas
Description:	
Maximum Rated Gross Heat Input (MMBtu/hr):	3.33
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	53
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached data from recent performance testing?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Comments:	Maximum 10 % flow to CD3 vents to oxidizer plus flow form one insignificant source (laboratory area)

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT1	RTO Stack	RTO Stack	Round	60	50	25	120.0	100.0	140.0	55,552.0	55,552.0	56,390.0	Up	

Draft

**New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory**

U 1 Blending Blending operations in production area

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	LTK-001	Worst case operations of LTK-001	Normal - Steady State	E45	CD1 (P) CD2 (S) CD3 (S)	PT1	3-01-999-98	0.0	8,760.0	C	5.0	6.0	50.0	80.0
OS2	LTK-002	Worst case operation of LTK-002	Normal - Steady State	E46	CD1 (P) CD2 (S) CD3 (S)	PT1	3-01-999-98	0.0	8,760.0	C	5.0	6.0	50.0	80.0
OS3	MTK-001	Worst case operations of MTK-001	Normal - Steady State	E47	CD1 (P) CD2 (S) CD3 (S)	PT1	3-01-999-98	0.0	8,760.0	C	5.0	6.0	50.0	80.0
OS4	MTK-002	Worst case operations of MTK-002	Normal - Steady State	E4	CD1 (P) CD2 (S) CD3 (S)	PT1	3-01-999-98	0.0	8,760.0	C	5.0	6.0	50.0	80.0
OS5	MTK-003	Worst case operations of MTK-003	Normal - Steady State	E5	CD1 (P) CD2 (S) CD3 (S)	PT1	3-01-999-98	0.0	8,760.0	C	5.0	6.0	50.0	80.0
OS6	Fricke	Worst case operations of Fricke	Normal - Steady State	E44	CD1 (P) CD2 (S) CD3 (S)	PT1	3-01-999-98	0.0	8,760.0	C	5.0	6.0	50.0	80.0
OS7	P Mixer 1	Worst case operations of P Mixer 1	Normal - Steady State	E48	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS8	P Mixer 2	Worst case operations of P Mixer 2	Normal - Steady State	E49	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 1 Blending Blending operations in production area

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS9	P Mixer 3	Worst case operations of P Mixer 3	Normal - Steady State	E50	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS10	P Mixer 4	Worst case operations of P Mixer 4	Normal - Steady State	E51	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS11	P Mixer 5	Worst case operations of P Mixer 5	Normal - Steady State	E52	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS12	P Mixer 6	Worst case operations of P Mixer 6	Normal - Steady State	E53	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS13	P Mixer 7	Worst case operations of P Mixer 7	Normal - Steady State	E54	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS14	P Mixer 8	Worst case operations of P Mixer 8	Normal - Steady State	E55	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS15	P Mixer 9	Worst case operations of P Mixer 9	Normal - Steady State	E56	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS16	P Mixer 10	Worst case operations of P Mixer 10	Normal - Steady State	E57	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 1 Blending Blending operations in production area

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS17	P Mixer 11	Worst case operations of P Mixer 11	Normal - Steady State	E58	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS18	P Mixer 12	Worst case operations of P Mixer 12	Normal - Steady State	E59	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS19	P Mixer 13	Worst case operations of P Mixer 13	Normal - Steady State	E61	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS20	P Mixer 14	Worst case operations of P Mixer 14	Normal - Steady State	E62	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS21	L Mixer 1	Worst case operations of L Mixer 1	Normal - Steady State	E63	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS22	L Mixer 2	Worst case operations of L Mixer 2	Normal - Steady State	E64	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS23	L Mixer 3	Worst case operations of L Mixer 3	Normal - Steady State	E65	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS24	L Mixer 4	Worst case operations of L Mixer 4	Normal - Steady State	E66	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 1 Blending Blending operations in production area

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS25	L Mixer 5	Worst case operations of L Mixer 5	Normal - Steady State	E67	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS26	L Mixer 6	Worst case operations of L Mixer 6	Normal - Steady State	E68	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS27	L Mixer 7	Worst case operations of L Mixer 7	Normal - Steady State	E69	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS28	L Mixer 8	Worst case operations of L Mixer 8	Normal - Steady State	E70	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS29	L Mixer 9	Worst case operations of L Mixer 9	Normal - Steady State	E71	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS30	L Mixer 10	Worst case operations of L Mixer 10	Normal - Steady State	E72	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS31	L Mixer 11	Worst case operations of L Mixer 11	Normal - Steady State	E73	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS32	L Mixer 12	Worst case operations of L Mixer 12	Normal - Steady State	E74	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 1 Blending Blending operations in production area

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS33	S Mixer 1	Worst case operations of S Mixer 1	Normal - Steady State	E75	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS34	S Mixer 2	Worst case operations of S Mixer 2	Normal - Steady State	E76	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS35	S Mixer 3	Worst case operations of S Mixer 3	Normal - Steady State	E77	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS36	S Mixer 4	Worst case operations of S Mixer 4	Normal - Steady State	E78	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS37	S Mixer 5	Worst case operations of S Mixer 5	Normal - Steady State	E79	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS38	S Mixer 6	Worst case operations of S Mixer 6	Normal - Steady State	E80	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS39	S Mixer 7	Worst case operations of S Mixer 7	Normal - Steady State	E81	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS40	S Mixer 8	Worst case operations of S Mixer 8	Normal - Steady State	E82	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 1 Blending Blending operations in production area

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS41	S Mixer 9	Worst case operations of S Mixer 9	Normal - Steady State	E83	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS42	S Mixer 10	Worst case operations of S Mixer 10	Normal - Steady State	E84	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS43	S Mixer 11	Worst case operations of S Mixer 11	Normal - Steady State	E85	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS44	S Mixer 12	Worst case operations of S Mixer 12	Normal - Steady State	E86	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS45	S Mixer 13	Worst case operations of S Mixer 13	Normal - Steady State	E87	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS46	S Mixer 14	Worst case operations of S Mixer 14	Normal - Steady State	E88	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS47	S Mixer 15	Worst case operations of S Mixer 15	Normal - Steady State	E89	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS48	A-30 Filling	Worst case operations of A-30 Filling	Normal - Steady State	E90	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 1 Blending Blending operations in production area

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS49	Hot Gel	Worst case operations of Hot Gel	Normal - Steady State	E91	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0
OS50	Ribbon Blend	Worst case operations of Ribbon Blend	Normal - Steady State	E92	CD1 (P) CD2 (S) CD3 (S)	PT1		0.0	8,760.0		5.0	6.0	50.0	80.0

Volume of Gas Discharged from
this source (acfm):

200.00

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS1 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS1 (Efficiency Table - CD2)
 Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS1 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetophenone	00098-86-2							
Non-HAP VOC		Liquid		Yes	99.97	1.105	8.330	lb/gal
Non-HAP solids		Solid						

Draft

36024 AGILEX FLAVORS .FRAGRANCES PCP220004 U1 OS1 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS2 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetophenone	00098-86-2							
Non-HAP VOC		Liquid		Yes	99.97	1.105	8.330	lb/gal
Non-HAP solids		Solid						

Draft

Volume of Gas Discharged from
this source (acfm):

200.00

Draft

36024 AGILEX FLAVORS FRAGRANCES PCP220004 U1 OS2 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS2 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS .FRAGRANCES PCP220004 U1 OS2 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

Volume of Gas Discharged from
this source (acfm):

200.00

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS3 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetophenone	00098-86-2							
Non-HAP VOC		Liquid		Yes	91.00	1.062	8.330	lb/gal
Non-HAP solids		Solid						

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS3 (Efficiency Table - CD1)
 Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS3 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS .FRAGRANCES PCP220004 U1 OS3 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS4 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetophenone	00098-86-2							
Non-HAP VOC		Liquid		Yes	91.00	1.062	8.330	lb/gal
Non-HAP solids		Solid						

Volume of Gas Discharged from
this source (acfm):

200.00

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS4 (Efficiency Table - CD1)
 Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS4 (Efficiency Table - CD2)
 Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	87
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	87

Draft

36024 AGILEX FLAVORS .FRAGRANCES PCP220004 U1 OS4 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS5 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetophenone	00098-86-2							
Non-HAP VOC		Liquid		Yes	91.00	1.062	8.330	lb/gal
Non-HAP solids		Solid						

Draft

Volume of Gas Discharged from
this source (acfm):

200.00

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS5 (Efficiency Table - CD1)
 Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS5 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS .FRAGRANCES PCP220004 U1 OS5 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

Volume of Gas Discharged from
this source (acfm):

200.00

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS6 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Non-HAP VOC		Liquid		Yes	100.00	5.973	8.330	lb/gal

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS6 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)			
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS6 (Efficiency Table - CD2)
 Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)			
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS .FRAGRANCES PCP220004 U1 OS6 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS7 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Glycol ethers								
Non-HAP VOC		Liquid		Yes	91.00	0.980	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS7 (Efficiency Table - CD1)
 Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS7 (Efficiency Table - CD2)
 Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS .FRAGRANCES PCP220004 U1 OS7 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS8 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Glycol ethers								
Non-HAP VOC		Liquid		Yes	91.00	0.980	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS8 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS8 (Efficiency Table - CD2)
 Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS .FRAGRANCES PCP220004 U1 OS8 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS9 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Glycol ethers								
Non-HAP VOC		Liquid		Yes	91.00	0.980	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS9 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS9 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS .FRAGRANCES PCP220004 U1 OS9 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS10 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Glycol ethers								
Non-HAP VOC		Liquid		Yes	91.00	0.980	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS10 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS10 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS10 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS11 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Glycol ethers								
Non-HAP VOC		Liquid		Yes	91.00	0.980	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS11 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS11 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS11 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS12 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Glycol ethers								
Non-HAP VOC		Liquid		Yes	90.09	1.019	8.330	lb/gal
Non-HAP solids		Solid						

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS12 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS12 (Efficiency Table - CD2)
 Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS12 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS13 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Glycol ethers								
Non-HAP VOC		Liquid		Yes	90.09	1.019	8.330	lb/gal
Non-HAP solids		Solid						

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS13 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS13 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS13 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS14 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Glycol ethers								
Non-HAP VOC		Liquid		Yes	90.09	1.019	8.330	lb/gal
Non-HAP solids		Solid						

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS14 (Efficiency Table - CD1)
 Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS14 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS14 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS15 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Glycol ethers								
Non-HAP VOC		Liquid		Yes	90.09	1.019	8.330	lb/gal
Non-HAP solids		Solid						

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS15 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS15 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS15 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS16 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Glycol ethers								
Non-HAP VOC		Liquid		Yes	90.09	1.019	8.330	lb/gal
Non-HAP solids		Solid						

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS16 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS16 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS16 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS17 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Glycol ethers								
Non-HAP VOC		Liquid		Yes	90.09	1.019	8.330	lb/gal
Non-HAP solids		Solid						

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS17 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS17 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS17 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS18 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Glycol ethers								
Non-HAP VOC		Liquid		Yes	90.09	1.019	8.330	lb/gal
Non-HAP solids		Solid						

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS18 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS18 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS18 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS19 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Glycol ethers								
Non-HAP VOC		Liquid		Yes	90.09	1.019	8.330	lb/gal
Non-HAP solids		Solid						

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS19 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS19 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS19 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS20 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Glycol ethers								
Non-HAP VOC		Liquid		Yes	90.09	1.019	8.330	lb/gal
Non-HAP solids		Solid						

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS20 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS20 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS20 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS21 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Non-HAP VOC		Liquid		Yes	76.74	1.560	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS21 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS21 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS21 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS22 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Non-HAP VOC		Liquid		Yes	76.74	1.560	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS22 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS22 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS22 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS23 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Non-HAP VOC		Liquid		Yes	76.74	1.560	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS23 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS23 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS23 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS24 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Non-HAP VOC		Liquid		Yes	76.74	1.560	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS24 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS24 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS24 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS25 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Non-HAP VOC		Liquid		Yes	76.74	1.560	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS25 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS25 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS25 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS26 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Non-HAP VOC		Liquid		Yes	76.74	1.560	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS26 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS26 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS26 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS27 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Non-HAP VOC		Liquid		Yes	76.74	1.560	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS27 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS27 (Efficiency Table - CD2)
 Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS27 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS28 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Non-HAP VOC		Liquid		Yes	76.74	1.560	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS28 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS28 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS28 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS29 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Non-HAP VOC		Liquid		Yes	76.74	1.560	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS29 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS29 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS29 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS30 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Non-HAP VOC		Liquid		Yes	76.74	1.560	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS30 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS30 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS30 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS31 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Non-HAP VOC		Liquid		Yes	76.74	1.560	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS31 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS31 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS31 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS32 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Non-HAP VOC		Liquid		Yes	76.74	1.560	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS32 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS32 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS32 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS33 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Methyl isobutyl ketone (MIBK)	00108-10-1		100.200					
Non-HAP VOC		Liquid		Yes	70.20	1.429	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS33 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS33 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS33 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS34 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Methyl isobutyl ketone (MIBK)	00108-10-1		100.200					
Non-HAP VOC		Liquid		Yes	70.20	1.429	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS34 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS34 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS34 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS35 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Methyl isobutyl ketone (MIBK)	00108-10-1		100.200					
Non-HAP VOC		Liquid		Yes	70.20	1.429	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS35 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS35 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS35 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS36 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Methyl isobutyl ketone (MIBK)	00108-10-1		100.200					
Non-HAP VOC		Liquid		Yes	70.20	1.429	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS36 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS36 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS36 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS37 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Methyl isobutyl ketone (MIBK)	00108-10-1		100.200					
Non-HAP VOC		Liquid		Yes	70.20	1.429	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS37 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS37 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS37 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS38 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Methyl isobutyl ketone (MIBK)	00108-10-1		100.200					
Non-HAP VOC		Liquid		Yes	70.20	1.429	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS38 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS38 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS38 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS39 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Methyl isobutyl ketone (MIBK)	00108-10-1		100.200					
Non-HAP VOC		Liquid		Yes	70.20	1.429	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS39 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS39 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS39 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS40 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Methyl isobutyl ketone (MIBK)	00108-10-1		100.200					
Non-HAP VOC		Liquid		Yes	70.20	1.429	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS40 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS40 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS40 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS41 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Methyl isobutyl ketone (MIBK)	00108-10-1		100.200					
Non-HAP VOC		Liquid		Yes	70.20	1.429	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS41 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS41 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS41 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS42 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Methyl isobutyl ketone (MIBK)	00108-10-1		100.200					
Non-HAP VOC		Liquid		Yes	70.20	1.429	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS42 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS42 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS42 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS43 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Methyl isobutyl ketone (MIBK)	00108-10-1		100.200					
Non-HAP VOC		Liquid		Yes	70.20	1.429	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS43 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS43 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS43 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS44 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Methyl isobutyl ketone (MIBK)	00108-10-1		100.200					
Non-HAP VOC		Liquid		Yes	70.20	1.429	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS44 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS44 (Efficiency Table - CD2)
 Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS44 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS45 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Methyl isobutyl ketone (MIBK)	00108-10-1		100.200					
Non-HAP VOC		Liquid		Yes	70.20	1.429	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS45 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS45 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS45 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS46 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Methyl isobutyl ketone (MIBK)	00108-10-1		100.200					
Non-HAP VOC		Liquid		Yes	70.20	1.429	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS46 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS46 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS46 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS47 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Acetaldehyde	00075-07-0		44.000					
Acetophenone	00098-86-2							
Cresol (-p)	00106-44-5		108.100					
Methyl isobutyl ketone (MIBK)	00108-10-1		100.200					
Non-HAP VOC		Liquid		Yes	70.20	1.429	8.330	lb/gal
Non-HAP solids		Solid						
Styrene	00100-42-5		104.150					

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS47 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	0.01	0.01
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS47 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)	100	86	86
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS47 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS48 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Non-HAP VOC		Liquid		Yes	100.00	5.973	8.330	lb/gal

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS48 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)			
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS48 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)			
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	86

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS48 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS49 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Non-HAP solids		Solid						

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS49 (Efficiency Table - CD1)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)			
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS49 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)			
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	87

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS49 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS50 (Raw Materials)

Print Date: 11/3/2022

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Non-HAP solids		Solid						

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS50 (Efficiency Table - CD1)
 Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)			
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	0.01	0.01

Draft

36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS50 (Efficiency Table - CD2)
Print Date: 11/3/2022

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)			
NOx			
Other (Total)			
PM-10			
PM-2.5			
Pb			
SO2			
TSP			
VOC (Total)	100	86	87

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36024 AGILEX FLAVORS_FRAGRANCES PCP220004 U1 OS50 (Oxidizer (Thermal) - CD3)
Print Date: 11/3/2022

Maximum Feed Rate to the Oxidizer (tons/hr):	0.01
Maximum Air Supply Flow Rate (acfm):	9031
Minimum Air Supply Flow Rate (acfm):	7547
Oxygen Content in Exhuast (%O2):	19
CO Concentration in Exhaust (ppmvd):	50
Total VOC Concentration in Exhaust (ppmvd):	0.15

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ODOR MITIGATION PLAN

**Agilex Flavors & Fragrances, Inc.
Agilex – A Company of Firmenich Group
20 Roosevelt Avenue
Somerset, New Jersey**

July 15, 2022

File No. 12.0076945.00

PREPARED FOR:

**Agilex Flavors & Fragrances, Inc.
Mr. Jeffery Velen-Lam, Sr. Director of Operations
Somerset, New Jersey**

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Facility Name: AGILEX FLAVORS & FRAGRANCES

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Odor Mitigation Plan

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- ATTACHMENT 2 EMPLOYEE TRAINING ATTENDANCE SHEET
- ATTACHMENT 3 INSPECTION RECORDKEEPING

ODOR MITIGATION PLAN

1.0 INTRODUCTION

This Odor Mitigation Plan was prepared as required by paragraph 7.xix of the Administrative Consent Order (ACO) entered by Agilex Flavors & Fragrances, Inc. ("Agilex facility" or "Site") and the New Jersey Department of Environmental Protection on September 2, 2021, concerning the Agilex facility operations at 20 Roosevelt Avenue, Somerset, New Jersey. As required by the ACO, Agilex has designed and plans to install and operate an odor control system to prevent the emission of potential odors from its manufacturing operations. This odor control system is comprised of a sacrificial prefilter granular activated carbon (GAC), a Zeolite rotary concentrator, and regenerative thermal oxidizer (RTO). Until and after this odor control system is in operation, this Odor Mitigation Plan will be implemented primarily to prevent/reduce the levels of fugitive emissions from indoor and outdoor sources at the Site. The main components of this Odor Mitigation Plan include an odor mitigation evaluation of potential fugitive emissions, operational modifications to prevent fugitive emissions from various indoor and outside operations, operations manual amendments to document the one-point lessons (OPLs) required to be used by employees to prevent fugitive emissions, employee training on the OPLs, and recordkeeping to document employee implementation of the OPL measures.

2.0 ODOR MITIGATION EVALUATION OF FUGITIVE EMISSIONS

The Agilex facility performed an evaluation of potential fugitive emission sources in order to mitigate emissions to the outside air. Based on this evaluation, the Agilex facility determined that by making changes to operational procedures, potential fugitive emissions could be mitigated as related to:

- Empty Drum Storage – Agilex discovered that fugitive odors were emitting from the empty drums trailer.
- Solid Waste Handling – Agilex discovered that fugitive odors were emitting from the solid waste dumpsters during the normal course of business.
- Exhaust System Management – Agilex discovered that exhaust fans were operating during non-production hours.
- Truck Bays – Agilex discovered that fugitive emissions may be emitted from the truck bay loading/unloading area.
- Production Equipment – Agilex discovered that fugitive emissions may be emitted from various equipment, drums storing raw material, whether in active use or not.

3.0 SOURCE AND FUGITIVE CONTROL MEASURES

To mitigate fugitive odors from the Agilex facility the following source control and operational modifications have been implemented.

3.1 SOURCE CONTROL MEASURES

Agilex has implemented several source controls measures to reduce fugitive emissions from operational areas. These source control measures are as follows:

- Dripless valves were installed to prevent leaks/drip on material specific drums.
- Nitrogen Blanketing was installed on potentially odorous material, high vapor pressure and low flash point raw material (ingredient) drums.
- Vacuum operated drum vents (keeping drums under negative pressure).
- Dock seals were installed at trucks bays to create a seal between the trucks/trailers and the interior of the facility, thus preventing the potential migration of potential odor producing compounds outside the building. The dock seals

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are raised, lowered, and adjusted to accommodate the different sized trucks/trailers accessing the truck bays to create a form-fitted seal.

- All air from the facility buildings shall vent to thermal oxidizer/zeolite concentrator control system.

3.2 OPERATIONAL MODIFICATIONS

The operational modification procedures have been documented as OPLs in the Agilex facility operations manual. Employees have been, and will continue to be, trained concerning these new OPLs as described below. The following OPLs have been developed and included in the operations manual at the facility:

- Empty Drum Storage – All empty drums generated from the facility are capped and placed in dedicated closed trailers.
- Solid Waste Handling – Upgraded (thicker) trash bags were purchased, and bag closure techniques were established. Trash pickup was increased to three times per week.
- Batch Mixing –Product mixing containers are kept in the closed position during batch mixing.

In order to formalize current practices, OPLs for the following operations items are being developed and will be included in the operations manual at the facility within 30-days upon submission of this document:

- Raw Material Drums Management – An OPL will be developed to ensure the bung hole covers are kept closed on raw material (ingredient) drums. In addition, this OPL will discuss the procedures to replace empty raw material drums where Nitrogen Blanketing is applied.
- Truck Bays – An OPL will be developed to operate and adjust dock seals in truck bays, to ensure a firm seal.

3.3 OPERATIONS MANUAL DOCUMENTATION

The Agilex facility has modified its Operations Manual to include the OPLs identified in Section 3.1 above concerning Loading of the Drum Recycling Trailer, Solid Waste Handling, and Batch Mixing (**Attachment 1**) and will modify the manual to include OPLs concerning Raw Material Drums and Truck Bays.

3.4 EMPLOYEE TRAINING

Employees have received training on the OPLs (**Attachment 1**). Specifically, new employees are trained in procedures during Agilex's onboarding program. Employees will be trained on the OPLs concerning, Raw Material Drums Truck Bays and Nitrogen Blanketing. Training procedures are not needed for the exhaust and production equipment modifications as these changes are mechanical and do not require direct employee intervention. A sample training documentation attendance sheet is included in **Attachment 2**. Attendance sheets will be maintained on site and available for review and inspection.

4.0 RECORDKEEPING

Agilex proposes to perform inspections once per shift to confirm that the facility is complying with the OPLs in **Attachment 1** in the updated Operations Manual as documented in the Housekeeping Checklist in **Attachment 3**. This Housekeeping Checklist will be modified as needed based on the requirements of any additional OPLs. Recordkeeping may be either manual (such as in **Attachment 3**) or by computer recording. Corrective actions taken by the facility are addressed in **Sections 3.1, and 3.2** above including operational modifications and source control measures to reduce fugitive emissions.

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An example of inspection records kept by the facility to document the implementation of these preventative actions to mitigate the generation of potential fugitive emissions is included in **Attachment 3**. If there is any variation in the OPLs that is observed by employees, the facility employees shall take remedial measures to correct the issue(s) consistent with the OPLs in **Attachment 1** and **Section 3.2**. The remedial measures deployed as necessary during inspections are outlined in the Housekeeping Checklist in **Attachment 3**.

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Attachment 1

Facility Name: AGILEX FLAVORS & FRAGRANCES

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	Title:	Loading of Drum Recycling Trailer				
	ONE POINT LESSON			Department:	Production / Material Handling	
	Reference #:	AGX-OPL-WHS-001	Revision #:	~0	Page: 1 of 1	
	Issue Date:	12/15/2021	Authorized By:		Keith Wharton	
	Type:	<input type="checkbox"/> Quality	<input type="checkbox"/> Shipping	<input checked="" type="checkbox"/> Production	<input checked="" type="checkbox"/> Safety	<input checked="" type="checkbox"/> Warehouse

Procedures for properly and safely loading the drum recycling trailer

- Ensure trailer dock lock system is activated by looking for the green flashing light on the control panel.
- Open the bay door, deploy the dock leveler plate, position the trailer light and turn it on.
- Ensure drums are empty (no more than 1" of liquid is allowed), bung caps are installed and tightened and any residual liquid is wiped clean off the tops. Dispose of any soiled rags in the red douse can receptacles.
- Don a hardhat and cut resistant gloves and place drums in an upright position in the trailer. Drums are to be placed in a 3-2-3 configuration and stacked only 2 layers high.
- Empty totes are to be completely emptied, fill caps securely installed, all residual material wiped clean and stacked 2 high. Dispose of any soiled rags in the red douse can receptacles.
- All loose cans, fiber drums and smaller drums are to be completely emptied, closures installed and tightened, wiped clean of residual material and placed upright on a pallet. Dispose of any soiled rags in the red douse can receptacles. The pallet is then taken to shipping to be shrink wrapped. The wrapped pallets are to be placed at the end of the trailer once the trailer is ready for pick up.
- After trailer is loaded, turn off trailer light and close the bay door.
- PPE required. Cut resistant gloves, hardhat, safety glasses and safety boots



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	Title:	Solid Waste Handling One Point Lesson				
	ONE POINT LESSON			Department:	Production	
	Reference #:	AGX-OPL-WHS-002	Revision #:	0	Page: 1 of 1	
	Issue Date:	12/15/2021	Authorized by:		Rodolfo Ramirez	
	Type:	<input type="checkbox"/> Quality	<input type="checkbox"/> Shipping	<input checked="" type="checkbox"/> Production	<input checked="" type="checkbox"/> Safety	<input checked="" type="checkbox"/> Warehouse

Solid Waste Handling Procedure for Production, Lab, and Warehouse Employees

The steps below are designed to inform and train all our employees on how to properly dispose of solid waste generated during the production process.

- Every employee is required to wear the appropriate PPE (safety glasses, safety boots, and nitrile gloves) whenever handling any waste inside or outside of the facility.
- Pipettes, absorbent pads, nitrile gloves, or any other items that have been used in the manufacturing process that have come in contact with chemicals should never be placed inside of a regular trash bin. These items must all be placed in the red douse cans located throughout the facility. The red douse cans need to remain **closed** when not in use.
- At the end of each shift, all the contents inside of the red douse cans will be collected and placed inside of the trash bags assigned for use in the production department. The trash bags should not be filled beyond capacity and should allow room to be properly closed. All trash bags also need to be closed used zip ties.
- All trash bags will be taken outside and placed in the appropriate dumpster. Once the trash bags have been disposed of, ensure that the dumpsters lid is properly closed.



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	Title:	Replacement of Fricke Empty Drums w/Nitrogen				
	ONE POINT LESSON			Department:	Production / Material Handling	
	Reference #:	AGX-OPL-COM-003	Revision #:	~0	Page: 1 of 1	
	Issue Date:	12/15/2021	Authorized By:		Keith Wharton	
	Type:	<input type="checkbox"/> Quality	<input type="checkbox"/> Shipping	<input checked="" type="checkbox"/> Production	<input checked="" type="checkbox"/> Safety	<input checked="" type="checkbox"/> Warehouse

Procedure for Replacing Empty Fricke Drums That Use Nitrogen Blanketing The steps below are designed to inform and train all our employees on how to properly replace empty Fricke drums that use Nitrogen blanketing.

- Every employee is required to wear the appropriate PPE (safety glasses, safety boots, cut resistant gloves and nitrile gloves) whenever handling any drums that are to be changed.
- Close Fricke feed valve on top of feed line. Disconnect sanitary clamp and separate dip tube from feed line.
- Locate spanner wrench and insert tab into respective slot on the top ring of the bung adapter. Unscrew the top portion all the way by turning toward the left.
- Push Black Nitrogen tube into fitting and hold black plastic retainer in. With the tube retainer pushed in, you can now pull the tube out and remove the nitrogen line. Set it to the side.
- Use spanner wrench on the lower part of the bung adapter and unscrew the bung adapter from the drum by turning to the left.
- Roll new drum for the Fricke staging area to the location that is being swapped. Roll empty drum out of position and roll new drum into the proper location.
- Pull the dip tube out of the empty drum with one hand while wiping down the dip tube with the other so no material is dripped onto drum. Insert dip tube into new drum.
- Installation of drum bung adapter and dip tube to feed line is reverse of removal.
- Once connected, use vacuum pump to start the flow of material.
- Dispose of any soiled rags in the proper douse cans and remove empty drums from mezzanine. Ensure the drums are clean and bung caps are tightened.

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	Title:	Batch Mixing				
	One Point Lesson			Department:	Production / Material Handling	
	Reference #:	AGX-OPL-COM-004	Revision #:	~0	Page: 1 of 1	
	Issue Date:	12/23/2021	Authorized By:		Keith Wharton	
	Type:	<input type="checkbox"/> Quality	<input type="checkbox"/> Shipping	<input checked="" type="checkbox"/> Production	<input checked="" type="checkbox"/> Safety	<input checked="" type="checkbox"/> Warehouse

All vessels containing fragrances *must* be covered while mixing

- Any size fragrance compounding container, big or small, portable or fixed must have a lid on and in the closed position while mixing!



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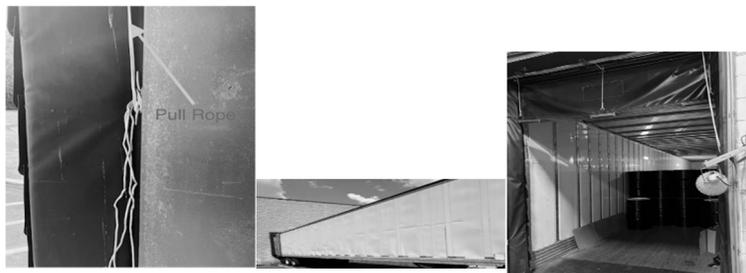
	Title:	Dock Header Seal				
	ONE POINT LESSON			Department:	Shipping/Receiving	
	Reference #:	AGX-OPL-WHS-003	Revision #:	0	Page: 1 of 1	
	Issue Date:	7/18/2022	Authorized By:	Rodolfo Ramirez		
	Type:	<input type="checkbox"/> Quality	<input checked="" type="checkbox"/> Shipping	<input type="checkbox"/> Production	<input type="checkbox"/> Safety	<input checked="" type="checkbox"/> Warehouse

Procedure For the Use of Dock Seals with an Adjustable Head Curtain

The steps below have been created for the purpose of informing and training all our shipping and receiving employees on the proper use of the adjustable head curtains installed on each dock door.

This OPL is a key component of our facilities air mitigation efforts. Use of the adjustable head curtain is intended to eliminate any gaps between the building interior and exterior.

- Ensure the truck trailer is properly positioned against the dock and that the driver has chocked his wheels.
- Confirm the trailer dock lock system is activated
- Once the truck is positioned properly and the dock lock system is activated, confirm the head curtain is properly positioned. The head curtain should be in its default “down” position and providing a seal between the trailer and dock door.
- If the curtain needs to be raised, utilize the pull rope on the right side of the dock door to manually adjust the curtain.
- Once the head curtain is positioned properly, secure it to the holder on the right side of the door.



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Attachment 2

	Form		Reference #:	
	Title:	Employee Training Attendance Sheet		
	Department:	Production	Page:	1 of 1

Topic:		SOP #:	
Date:			
Trainer Name:			

	Name Printed	Signature*	Department
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Comments

*By signing this Attendance Sheet you are confirming your attendance at the training session detailed above.

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Attachment 3

Housekeeping checklist

To be completed once per shift each business day

Initialing the form signifies that the checks were completed and satisfactory and non-conformances were documented in IMS and corrected

Month / Year: _____

First Shift	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 1							
Week 2							
Week 3							
Week 4							
Week 5							

Second Shift	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 1							
Week 2							
Week 3							
Week 4							
Week 5							

Third Shift	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 1							
Week 2							
Week 3							
Week 4							
Week 5							

Inspection check list

- Drum Storage Trailer: [Ref. #AGX-OPL-WHS-001] Ensure drums are capped, stored upright, and placed in dedicated trailers
- Solid Waste Handling: [Ref. #AGX-OPL-WHS-002] Ensure solid trash is bagged and closed properly and trash receptacle lids are closed
- Batching Tanks/Pots: [Ref. #AGX-OPL-COM-004] Ensure tank/pot lids are on or closed when not in use
- Fixed/Portable Tanks: [Ref. #AGX-OPL-COM-004] Ensure lids are closed while product is mixing
- Raw Material Drums: [Ref. #AGX-OPL-COM-003] Ensure drums are covered with bung hole covers and follow procedures for replacing drums with nitrogen blanketing
- Truck Bays: [Ref. #AGX-OPL-WHS-003] Ensure dock seals are adjusted to trucks/trailers during loading and unloading

Manager Verification _____

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