

110
SV 9/22/26

**PETITION FOR VARIANCE
BEFORE THE HEARING BOARD OF THE
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

SOUTH COAST AQMD
CLERK OF THE BOARDS

PETITIONER: Darling Ingredients Inc.

CASE NO: 4061-15

2021-AUG 25 P 2:09

FACILITY ID: 63180

FACILITY ADDRESS: 2626 E 25th St
[location of equipment/site of violation; specify business/corporate address, if different, under Item 2, below]

City, State, Zip: Los Angeles, CA 90058

1. TYPE OF VARIANCE REQUESTED (more than one box may be checked; see Attachment A, Item 1, before selecting)

☐ INTERIM ☒ SHORT ☐ REGULAR ☐ EMERGENCY ☐ EX PARTE EMERGENCY

2. CONTACT: Name, title, company (if different than Petitioner), address, and phone number of persons authorized to receive notices regarding this Petition (no more than two authorized persons).

Peter Moore

Joel Lunsford

Principal Engineer, Yorke Engineering, LLC

Manager of Environmental Affairs, Darling

31726 Rancho Viejo Road, Suite 218

5601 N. MacArthur Blvd.

San Juan Capistrano, CA Zip 92675

Irving, TX Zip 75038

☎ (949) 466-8465 Ext.

☎ (770) 639-2465 Ext.

Fax ()

Fax ()

PMoore@yorkeengr.com
E-mail

Joel.Lunsford@darlingii.com
E-mail

3. RECLAIM Permit ☒ Yes ☐ No Title V Permit ☐ Yes ☒ No

Persons with disabilities may request this document in an alternative format by contacting the Clerk of the Board at 909-396-2500 or by e-mail at clerkofboard@aqmd.gov.

If you require disability-related accommodations to facilitate participating in the hearing, contact the Clerk of the Board at least five (5) calendar days prior to the hearing.

[ALL DOCUMENTS FILED WITH CLERK'S OFFICE BECOME PUBLIC RECORD]

4. **GOOD CAUSE:** Explain why your petition was not filed in sufficient time to issue the required public notice. (Required only for Emergency and Interim Variances; see Attachment A, Item 4)

Not applicable. This petition is filed with sufficient time to issue the required public notice.

5. Briefly describe the type of business and processes at your facility.

Darling Ingredients Inc. ("Darling") is a producer of sustainable natural ingredients from edible and inedible bio-nutrients, creating a wide range of components and customized specialty solutions for customers in the food, pet food, pharmaceutical, feed, fuel, bioenergy, and fertilizer industries. The company collects and transforms all aspects of food processing by-product streams into useable and specialty ingredients, such as gelatin, edible fats, feed-grade fats, animal proteins and meal, plasma, pet food ingredients, organic fertilizers, yellow grease, fuel feedstocks, green energy, natural casings, and hides.

Darling's Los Angeles facility primarily produces dry protein meals and fats of animal and vegetable origin. These products are primary ingredients for feed, pet food and renewable fuel production. Darling's Los Angeles facility has been in operation for approximately 110 years and has been under Darling's ownership since 1987. Southern California generates millions of pounds of food processing by-products weekly as part and parcel of California's agricultural industry. Darling's process is an essential service provider to local food producers, including slaughterhouses, restaurants, butchers, and grocers. These services play a critical role in protecting public health and the environment. The SIC code is 2077.

Exhaust emissions from the material cooking and handling processes are vented to venturi scrubbers (C123 & C197), packed bed scrubbers (C239 & C240), and then through the Regenerative Thermal Oxidizer.

6. List the equipment and/or activity(s) that are the subject of this petition (see Attachment A, Item 6, Example #1). **Attach copies of the Permit(s) to Construct and/or Permit(s) to Operate for the subject equipment. For RECLAIM or Title V facilities, attach *only* the relevant sections of the Facility Permit showing the equipment or process and conditions that are subject to this petition. You must bring the entire Facility Permit to the hearing.**

Equipment/Activity	Application/ Permit No.	RECLAIM Device No.	Date Application/Plan Denied (if relevant)*
Regenerative Thermal Oxidizer (RTO)	647407	C198	

*Attach copy of denial letter

7. Briefly describe the activity or equipment, and why it is necessary to the operation of your business. A schematic or diagram may be attached, in addition to the descriptive text.

Darling operates a Regenerative Thermal Oxidizer (RTO) to abate volatile organic compound (VOC) emissions and control potential odors from the rendering process. During steam-powered cooking of organic raw material (which contains approximately 65% moisture), the moisture is evaporated and condensed. A small portion of this vapor is non-condensable and does not collapse in the condenser. This non-condensable vapor stream is routed through a series of venturi scrubbers and wet packed-bed scrubbers before being sent to the RTO at approximately 10,000 cubic feet per minute (CFM) for final thermal destruction.

To ensure complete combustion, the RTO is fired on natural gas to temperatures in excess of 1,202°F, utilizing ceramic media beds to provide the necessary retention time. A recent routine maintenance inspection found that the ceramic media beds require replacement in the near future to ensure continued, reliable operation.

The RTO is essential to our daily operations to reduce VOC emissions and mitigate potential odors from the rendering process. The process of replacing the ceramic media and returning the RTO to service is expected to take five (5) days. Shutting down our facility for this duration would cause harm to our business operations and create a public health and disposal issue for the community we service by disrupting the timely processing of organic agricultural and food waste.

8. Is there a regular maintenance and/or inspection schedule for this equipment? Yes ☒ No ☐

If yes, how often: Annually Date of last maintenance and/or inspection 5-18-2026

Describe the maintenance and/or inspection that was performed.

On May 18, 2026, Oxidizers Inc. conducted a comprehensive annual preventative maintenance inspection on the RTO. While the external housing, internal insulation, and NFPA gas train safety systems were verified to be in good condition and passed operational safety tests, the internal inspection revealed that the ceramic media (installed in 2017) has become brittle, is showing signs of process plugging, and has begun structurally breaking down at the top of the chamber and the bottom of the perforated plate. Standard operational life of RTO ceramic media is 7 - 10 years, and the RTO media is approximately 9 years old. During the service, the technician performed minor corrective maintenance; however, the ceramic media requires complete replacement.

9. List all South Coast AQMD rules, and/or permit conditions [indicating the specific section(s) and subsection(s)] from which you are seeking variance relief (if requesting variance from Rule 401 or permit condition, see Attachment A). Briefly explain how you are or will be in violation of each rule or condition (see Attachment A, Item 9, Example #2).

Rule	Explanation
203 - Permit to Operate	Rule 203(b) mandates operation in accordance with permit conditions, which is temporarily violated during the RTO media replacement.
204 - Permit Conditions	Section E(5) of the RECLAIM permit requires integrated air pollution control systems to be fully operational. The RTO must be shut down to replace the media. We seek variance relief from the requirement to vent emissions to the RTO during processing.
415 - Odors from Rendering Facilities	Temporary RTO downtime may prevent full compliance with Rule 415(e) Odor BMP requirements.
2004 - Requirements	Section (f)(1) of Rule 2004 requires continuous compliance with all facility permit conditions; the 5-day RTO shutdown results in non-compliance with the Facility Permit.

10. Are the equipment or activities subject to this request currently under variance coverage? Yes ☐ No ☒

Case No.	Date of Action	Final Compliance Date	Explanation

11. Are any other equipment or activities at this location currently (or within the last six months) under variance coverage? Yes ☐ No ☒

Case No.	Date of Action	Final Compliance Date	Explanation

12. Were you issued any Notice(s) of Violation or Notice(s) to Comply concerning this equipment or activity within the past year? Yes ☐ No ☒

If yes, you must attach a copy of each notice.

13. Have you received any complaints from the public regarding the operation of the subject equipment or activity within the last six months? Yes ☐ No ☒

If yes, you should be prepared to present details at the hearing.

14. Explain why it is beyond your reasonable control to comply with the rule(s) and/or permit condition(s). Provide specific event(s) and date(s) of occurrence(s), if applicable.

The event necessitating relief is the required replacement of the RTO media bed, which will be scheduled three weeks after the variance is granted and will require five days. Compliance is beyond the Darling's reasonable control because replacing the RTO media bed requires complete shutdown of the RTO for approximately five consecutive days. Darling's permit requires the RTO to operate at all times during processing.

Safe physical entry into the unit requires a full 24-hour cooling cycle to reduce temperatures from an operating temperature of over 1,202° F to under 100°F, followed by a minimum of four (4) days for extraction, installation and repair. Accelerating this timeline is impossible. Under OSHA confined space entry standards, technicians cannot physically enter the unit until internal temperatures drop below 100°F. Due to the high thermal mass of the ceramic media, achieving this temperature reduction requires a minimum 24-hour passive and forced cooling cycle.

No temporary or mobile air pollution control equipment exists on the market capable of processing the massive air flow volume and heavy organic load generated by the continuous rendering process. Consequently, no alternative compliance option is available during the maintenance window.

Ceasing all rendering operations during this five-day maintenance window is impossible due to the highly perishable nature of the raw materials Darling receives. The facility continuously processes large volumes of commercial meat-packing and food processing byproducts that are restricted from landfills. Forcing the facility shutdown would create a public health and environmental crisis, as local farmers would have no lawful, sanitary means to dispose of decomposing agricultural byproducts, resulting in local hardships and hazardous waste mismanagement.

Furthermore, a shutdown directly impacts local small business restaurants and grocery retailers who rely on uninterrupted raw material pickup. The nearest alternative facility capable of taking this material is located in Crows Landing (Turlock), CA. However, transporting raw materials to the Turlock facility is impractical as it will result in significant raw material degradation during transit, and the Turlock facility itself operates under strict process limitations that prevent it from accepting these additional volumes.

Accordingly, compliance with SCAQMD Rules 203, 204, 415(e), 2004(f)(1), and Permit Condition Section E(5), is completely beyond the reasonable control of the Petitioner for the targeted 5-day maintenance duration.

15. When and how did you first become aware that you would not be in compliance with the rule(s) and/or permit condition(s)? Provide specific event(s) and date(s) of occurrence(s).

Darling first became aware that Darling would need to perform this maintenance during the annual RTO maintenance inspection on May 18, 2026. The inspection revealed that the media required replacement. Following this discovery, it took approximately six (6) weeks to locate available replacement media in stock and retain a qualified third-party contractor to perform the specialized work. To minimize the duration of the RTO shutdown, Darling evaluated competitive bids and selected a contractor capable of completing the replacement in four days rather than the alternative seven-day timeline. (The five days includes the required 24-hour shutdown to cool the unit.)

16. List date(s) and action(s) you have taken since that time to achieve compliance. That the Petition Form HB-V, and any related instructions, include requirement that the Petitioner include a timeline in suitable, chronological format to address the events, dates, and actions called for by Questions 15 and 16, including the dates of communication with the South Coast AQMD to notify them of the occurrence(s) giving rise to the requested variance.

To minimize the duration of the RTO shutdown, we secured the earliest available shipment of ceramic media and accepted the bid from the contractor offering the shortest possible repair timeline. Construction and replacement will begin three weeks after variance approval, which represents the earliest date the contractor can mobilize to start work. Furthermore, work will be conducted over the weekend when the facility is normally offline, utilizing extra shifts to complete the project as quickly as possible. To achieve this, we are incurring additional premium costs to employ two specialized crews working double shifts to expedite the repair and further compress the shutdown window.

17. What would be the harm to your business during **and/or after** the period of the variance if the variance were not granted?

Economic losses: \$ _____

Number of employees laid off (if any): _____

Provide detailed information regarding economic losses, if any, (anticipated business closure, breach of contracts, hardship on customers, layoffs, and/or similar impacts).

While the precise dollar amount of the economic loss is difficult to quantify, the primary harm lies in the severe operational and supply chain disruptions resulting from any facility shutdown exceeding 24 hours. A shutdown would cause immediate contractual breaches with commercial meat processors, forcing the diversion of perishable organic material to a landfill. This diversion would generate significant adverse environmental impacts and impose substantial excess disposal costs that would ultimately be passed down to consumers at retail and food service levels.

As discussed in the Response to Question 14, ceasing all rendering operations during the five-day maintenance window is infeasible due to the highly perishable nature of incoming raw materials. The facility continuously processes significant volumes of commercial meat-packing and food processing byproducts restricted from landfill disposal. Enforcing a full facility shutdown would precipitate a public health and environmental hazard, leaving regional agricultural operations and food suppliers without a lawful, sanitary means for byproduct disposal. Furthermore, halting operations would directly inflict severe economic harm on hourly facility personnel through lost wages and reduced hours, compounding the financial and operational strain on local farmers, meat processors, small businesses, and grocery retailers.

18. Can you curtail or terminate operations in lieu of, or in addition to, obtaining a variance? Please explain.

To the maximum extent possible, operations will be curtailed by scheduling the maintenance over a weekend to utilize a standard 48-hour window when raw material deliveries are normally halted. Additionally, we have committed to operating the packed bed and venturi scrubbers to continue to control emissions and odors during the RTO downtime. In the event we are unable to operate these scrubbers, we will divert incoming materials to a landfill at our own expense.

Storing raw material at the facility or fully shutting down operations is not a viable alternative. The facility lacks the enclosure capacity to hold five days' worth of material, and storing it at maximum capacity without processing may generate severe odors and risk causing a violation of SCAQMD Rule 415. Furthermore, the accumulation of perishable organic matter may generate severe odors and attract birds, risking a violation of our Bird Management Plan with the City of Vernon. Consequently, complete shutdown is unfeasible due to the disruptions it would cause to the broader agricultural supply chain, local small businesses, and restaurants detailed previously.

19. Estimate excess emissions, if any, on a daily basis, including, if applicable, excess opacity (the percentage of total opacity above 20% during the variance period). If the variance will result in no excess emissions, insert "N/A" here and skip to No. 20.

Pollutant	(A)	(B)	(C)*
	Total Estimated Excess Emissions (lbs/day)	Reduction Due to Mitigation (lbs/day)	Net Emissions After Mitigation (lbs/day)
VOC	89.28		

* Column A minus Column B = Column C

Excess Opacity: <10 %

20. Show calculations used to estimate quantities in No. 19, or explain why there will be no excess emissions.

VOCs are the sole source of excess emissions associated with this variance. During the five-day shutdown, the RTO will not burn natural gas, reducing its normal combustion emissions, specifically NO_x, CO, SO_x, and PM, to zero. While there will be a temporary increase in process VOC emissions, the facility will reduce RTO combustion emissions during the maintenance period.

The hourly emission rate of 3.72 lb/hr is established directly from the Air Kinetics Source Test (conducted July 9–10, 2018).

Daily Excess: 3.72 lb/hr (VOC Source Test Emission Rate) x 24 hrs/day = 89.28 lbs/day

VOC Combustion Emissions: Based on the SCAQMD AER default factor (7.0 lb/mm scf) and natural gas heating value (1050 Btu/scf)

VOC Combustion Emissions: 4 MMBtu/Hr (RTO Burner Rating) x 7.0 lb/mm scf x scf/1050 Btu x 96 hrs (Total Downtime/4 days) = 2.56 lbs

Because the source test emission rate includes natural gas combustion, net excess emissions from the RTO shutdown are calculated by subtracting the baseline natural gas combustion emissions from the total measured process emissions over the downtime:

Total Project Excess: 3.72 lb/hr x 96 hrs - 2.56 lbs (VOC combustion emissions) = 354.56 lbs total

21. Explain how you plan to reduce (mitigate) excess emissions during the variance period to the maximum extent feasible, or why reductions are not feasible.

As detailed in Narratives 16 and 18, replacement of the RTO media is strategically scheduled to coincide with a period when the facility is normally off line, thereby minimizing the time the scrubbers must run without venting to the RTO. During this maintenance window, processing operations will only continue if the packed bed and venturi scrubbers are fully operational to mitigate odors.

Darling evaluated the feasibility of utilizing a temporary carbon adsorption tote system to control emissions and odors during the shutdown, but determined this alternative to be technically and logistically infeasible.

Furthermore, we are coordinating with our partners to hold raw material loads to the maximum extent feasible, delaying production until the replacement project is successfully completed, which will occur within 5 days of commencing the replacement project scheduled three weeks after variance approval.

22. How do you plan to monitor or quantify emission levels from the equipment or activity(s) during the variance period, and to make such records available to the District? **Any proposed monitoring does not relieve RECLAIM facilities from applicable missing data requirements.**

Emissions will be quantified using source test results from this equipment. VOC emissions will be calculated based on the hourly emission rate from the source test multiplied by the number of operating hours that the RTO is shut down. All raw material processing logs, scrubber operational parameters, and resulting emissions calculations will be maintained on-site and made immediately available to the SCAQMD upon request.

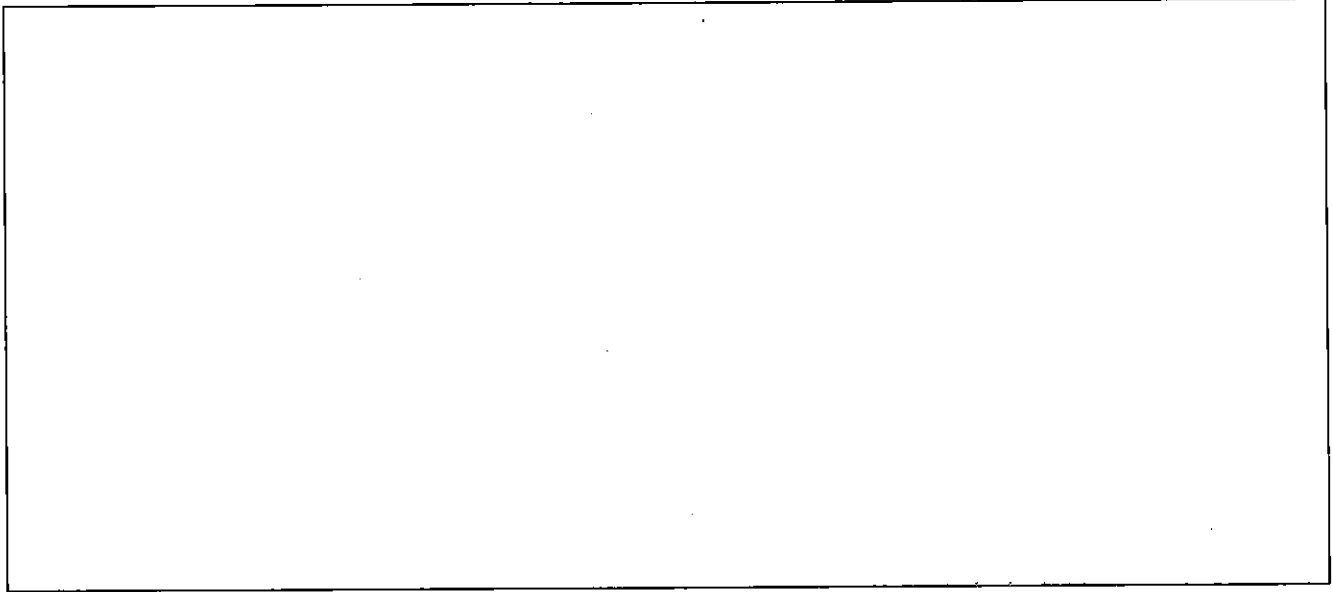
23. How do you intend to achieve compliance with the rule(s) and/or permit condition(s)? Include a detailed description of any equipment to be installed, modifications or process changes to be made, permit conditions to be amended, etc., dates by which the actions will be completed, and an estimate of total costs.

Darling expects to achieve full compliance shortly after restarting the RTO following the completion of the media installation. The repair project is estimated to cost approximately \$330,000. The maintenance shutdown is scheduled to start approximately three weeks after variance approval, with maintenance work and final restart to be completed within 5 days of commencing the project.

24. State the date you are requesting the variance to begin: 3 weeks after variance approval; and the date by which you expect to achieve final compliance: within 5 days of commencing the project.

If the regular variance is to extend beyond one year, you **must** include a **Schedule of Increments of Progress**, specifying dates or time increments for steps needed to achieve compliance. See South Coast AQMD Rule 102 for definition of Increments of Progress (see Attachment A, Item 24, Example #3).

List Increments of Progress here:



25. List the names of any South Coast AQMD personnel with whom facility representatives have had contact concerning this variance petition or any related Notice of Violation or Notice to Comply.

Ext. _____

Ext. _____

26. If the petition was completed by someone other than the petitioner, please provide their name and title below.

Peter Moore	Yorke Engineering LLC	Principal Engineer
_____ Name	_____ Company	_____ Title

The undersigned, under penalty of perjury, states that the above petition, including attachments and the items therein set forth, is true and correct.

Executed on 8/25/2026, at Los Angeles, California

<u>Joel Lunsford</u> Signature	<u>Joel Lunsford</u> Print Name
-----------------------------------	------------------------------------

Title: Manager of Environmental Affaris

THIS SECTION IS FOR SMALL BUSINESSES ONLY

27. **SMALL BUSINESS ELIGIBILITY and TABLE III SCHEDULE A FEES:** To be eligible for reduced fees for small businesses, individuals, or entities meeting small business gross receipts criterion [see District Rule 303(h)], you must complete the following:

Declaration For Reduced Fee Eligibility

1. The petitioner is
a) ☐ an individual, or
b) ☐ an officer, partner or owner of the petitioner herein, or a duly authorized agent of the petitioner authorized to make the representations set forth herein.

If you selected 1a, above, skip item 2.

2. The petitioner is
a) ☐ a business that meets the following definition of Small Business as set forth in District Rule 102:

SMALL BUSINESS means a business which is independently owned and operated and meets the following criteria, or if affiliated with another concern, the combined activities of both concerns shall meet these criteria:

- (a) the number of employees is 10 or less; **AND**
- (b) the total gross annual receipts are \$500,000 or less **or**
- (iii) the facility is a not-for-profit training center.

-OR-

- b) ☐ an entity with total gross annual receipts of \$500,000 or less.

3. Therefore, I believe the petitioner qualifies for reduced fees for purpose of filing fees and excess emission fee calculations, in accordance with Rule 303(h).

I declare under penalty of perjury that the foregoing is true and correct.

Executed on _____, at _____, California

Signature _____

Print Name _____

Title _____

ATTACHMENT A

ITEM 1

Type of Variance Requested:

- (a) **SHORT:** If compliance with South Coast AQMD rule(s) can be achieved in **90 days or less**, request a short variance. *(Hearing will be held approximately 21 days from date of filing--10-day posted notice required.)*
- (b) **REGULAR:** If compliance with South Coast AQMD rule(s) will take **more than 90 days**, request a regular variance. If the variance request will extend beyond one year, you **must** include a specific detailed schedule of increments of progress [see Page 8, No. 24] under which you will achieve final compliance. *(Hearing will be held approximately 45 days from date of filing--30-day published notice required.)*
- (c) **EMERGENCY:** If non-compliance is the result of an unforeseen emergency, such as a sudden equipment breakdown, power failure, or accidental fire, you may request an emergency variance. You may request an *ex parte* emergency variance in addition to an emergency variance. **An emergency variance cannot be granted for more than 30 days.** *(Hearing will be held within 2 working days from the date of filing, whenever possible, excluding Mondays, weekends, and holidays.) If you request an emergency variance, you must answer No. 4 on page 1.*
- (d) **EX PARTE EMERGENCY:** If variance coverage is required on a weekend or when the Board is not in session, and you cannot wait until an emergency variance hearing can be held, you may request an *ex parte* emergency variance. An *ex parte* emergency variance will be granted or denied solely on the information contained in the petition and the South Coast AQMD's response to the petition. Under most circumstances, an *ex parte* emergency variance will remain in effect only until a hearing can be held. **If you request an *ex parte* variance, you must answer No. 4 on page 1.**
- (e) **INTERIM:** If you require immediate relief (other than for emergencies) to cover the time until a short or regular variance hearing can be held, request an interim variance. If you request an interim variance, you must also request a short or a regular variance on the same petition. *(Hearing will be held approximately 2 working days from date of filing, whenever possible, excluding Mondays, weekends and holidays.) If you request an interim variance, you must answer No. 4 on page 1.*

ITEM 4

GOOD CAUSE: The Hearing Board is required to provide public notice of variance hearings, as the public has a right to attend and testify at such hearings. In order for the Hearing Board to hold an Interim, *Ex Parte* Emergency or Emergency Variance hearing without the required public notice, a petitioner must present facts which will support a determination by the Board that "good cause" exists to hear a variance without notifying the public about the variance and providing the public with an opportunity to present evidence concerning the variance.

ITEM 6**Example #1:**

Equipment/Activity	Application/ Permit No.	RECLAIM Device No.	Date Application/Plan Denied (if relevant)*
Tenter frame		D32	
Chrome-plating tank	M99999		
Bake oven	123456		
Create special effects (fog)	N/A	N/A	N/A
Mfg., sale, distribution, use of non-compliant coating	N/A	N/A	12/10/95

ITEM 9

a) If you are requesting relief from Rule 401 and the excess opacity during the variance period will reach or exceed 40%, you should also request relief from California Health and Safety Code Section 41701.

b) If you are requesting relief from a permit condition(s), you should also request relief from the rule requiring compliance with conditions of the permit: 202(a), (b) or (c) - Temporary Permit to Operate; 203(b) - Permit to Operate; 2004(f)(1) - RECLAIM Permit; 3002(c) - Title V Permit.

Example #2:

Rule	Explanation
404(a)	tenter frame is vented to damaged air pollution control equipment
2004 (f)(1) [Condition No. 28-2 of Facility P/O No. 099999]	source test cannot be conducted as required until new ESP is installed
1113(c)(2)	petitioner manufactures and sells clear wood finishes with VOCs in excess of 350 grams per liter
401(a) & California H&S Code Section 41701	Opacity will exceed 45%.

ITEM 24**Example #3:****Sample Schedule of Increments of Progress**

- Permit application(s) will be submitted to the South Coast AQMD by [date].
- Contracts for the purchase of emission control systems will be awarded by [date].
- On-site construction will be completed by [date].



South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

SV 9/22/26

Title Page
Facility ID: 063180
Revision #: 58
Date: January 01, 2025

FACILITY PERMIT TO OPERATE

DARLING INGREDIENTS INC.
2626 E 25TH ST
LOS ANGELES, CA 90058

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Wayne Natri
Executive Officer

By *Jason Aspell*
for Jason Aspell
Deputy Executive Officer
Engineering and Permitting



South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

Table of Content
Facility ID: 063180
Revision #: 58
Date: January 01, 2025

FACILITY PERMIT TO OPERATE DARLING-INGREDIENTS INC.

TABLE OF CONTENTS

Section	Description	Revision #	Date Issued
A	Facility Information	19	12/12/2023
B	RECLAIM Annual Emission Allocation	31	01/01/2025
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	24	11/27/2024
E	Administrative Conditions	7	01/01/2001
F	RECLAIM Monitoring and Source Testing Requirements		01/01/2000
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	6	01/01/2000
H	Permit To Construct and Temporary Permit to Operate	19	12/12/2023
I	Compliance Plans & Schedules	3	01/01/2000
J	Air Toxics	2	01/01/2000
Appendix			
A	NOx and SOx Emitting Equipment Exempt 2 From Written Permit Pursuant to Rule 219		01/01/2000
B	Rule Emission Limits	2	01/01/2000



**FACILITY PERMIT TO OPERATE
DARLING INGREDIENTS INC.**

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: DARLING INGREDIENTS INC.

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 2626 E 25TH ST
LOS ANGELES, CA 90058

MAILING ADDRESS: 2626 E 25TH ST
LOS ANGELES, CA 90058

RESPONSIBLE OFFICIAL: WILLIAM HOLMES

TITLE: DIRECTOR OF ENVIRONMENTAL AFFAIRS

TELEPHONE NUMBER: (972) 541-7120

CONTACT PERSON: PRESTON WARD

TITLE: GENERAL MANAGER

TELEPHONE NUMBER: (323) 583-6311

TITLE V		RECLAIM	
NO	NOx:	YES	
	SOx:	NO	
	CYCLE:	1	
	ZONE:	COASTAL	



FACILITY PERMIT TO OPERATE DARLING INGREDIENTS INC.

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NO_x RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NO_x emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NO _x RTC Initially Allocated	NO _x RTC ¹ Holding as of 01/01/2025 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
7/2022 6/2023	Coastal	0	0	0
1/2023 12/2023	Coastal	12280	10143	0
7/2023 6/2024	Coastal	0	1527	0
1/2024 12/2024	Coastal	12280	13416	0
7/2024 6/2025	Coastal	0	1527	0
1/2025 12/2025	Coastal	12280	13416	0
7/2025 6/2026	Coastal	0	1527	0
1/2026 12/2026	Coastal	12280	13416	0
7/2026 6/2027	Coastal	0	1527	0
1/2027 12/2027	Coastal	12280	13416	0
7/2027 6/2028	Coastal	0	1527	0
1/2028 12/2028	Coastal	12280	13416	0
7/2028 6/2029	Coastal	0	1527	0
1/2029 12/2029	Coastal	12280	13416	0
7/2029 6/2030	Coastal	0	1527	0
1/2030 12/2030	Coastal	12280	13416	0
7/2030 6/2031	Coastal	0	1527	0

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.



**FACILITY PERMIT TO OPERATE
DARLING INGREDIENTS INC.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: RENDERING					
OXIDIZER, THERMAL REGENERATIVE, COMBUSTION CONTROL SERVICES, MODEL CCS-RTOX-15K, NATURAL GAS, 4 MMBTU/HR A/N: 647407	C198	C123 C197 C239 C240	NOX: PROCESS UNIT**	NOX: 30 PPMV (4); NOX: 130 LBS/MMSCF (1)	C8.12, E448.6, H23.5
SCRUBBER, CROSS FLOW, AC CORPORATION, MODEL RDS-100, TWO STAGES, WITH MIST ELIMINATOR, 100,000 CFM, VENTING RENDERING PROCESS ROOM A/N: 608245	C199	C233			C8.11, D12.17
ENCLOSURE, PERMANENT TOTAL NO. 1 FOR 440 LINE PROCESSING AREA, VENTED TO SCRUBBER C199. A/N: 608245	C233	C199			E448.1, E448.2
ENCLOSURE, PERMANENT TOTAL, NO. 2 FOR 320 LINE PROCESSING AREA AND, ASSOCIATED RAW MATERIAL RECEIVING AREA, VENTED TO C144, A/N: 608242	C234	C144			E448.1, E448.3
SCRUBBER, PACKED BED, HEIGHT: 26 FT 6 IN; DIAMETER: 12 FT 6 IN A/N: 608242	C144	D1 C234			C8.4, C8.5, D12.7, D12.15, D12.17
SCRUBBER, PACKED BED, HEIGHT: 26 FT 6 IN; DIAMETER: 12 FT 6 IN A/N: 608243	C146	D11 C235			C8.4, C8.5, D12.7, D12.15, D12.17
BAGHOUSE, TORIT/DAY, MODEL 100PJD-10, 100 BAGS A/N: 494988	C65	D50 D57 D58 D60			C10.1, E102.1, H23.4
System 8: RENDERING LINE 440U					

- (1) (1A) (1B) Denotes RECLAIM emission factor
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (3) Denotes RECLAIM concentration limit
- (4) Denotes BACT emission limit
- (5) (5A) (5B) Denotes command and control emission limit
- (6) Denotes air toxic control rule limit
- (7) Denotes NSR applicability limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (9) See App B for Emission Limits
- (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**FACILITY PERMIT TO OPERATE
DARLING INGREDIENTS INC.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: RENDERING					
PIT, NO. 2, ANIMAL MATTER, RECEIVING A/N: 611078	D11	C146			E187.1
PIT, RAW MATERIAL, RECEIVING BIN A/N: 572695	D158				E187.1
CONVEYOR, SCREW, GRINDER A/N: 572695	D159				
GRINDER, RAW MATERIAL A/N: 572695	D160				E187.1
BIN, SURGE, WIDTH: 4 FT ; HEIGHT: 6 FT ; LENGTH: 14 FT A/N: 611078	D19				E187.1
HOPPER, RAW MATERIAL, PUMP A/N: 572695	D204				
RENDERING COOKER, STEAM HEATED, DUPPS, MODEL 440U A/N: 572695	D162	C194			C1.11, C6.9
System 9: STORAGE TANKS					
STORAGE TANK, NO. 1, STEAM HEATED, 30,000 GALS, FAT A/N: 572702	D188	C197			
STORAGE TANK, NO. 2, STEAM HEATED, 30,000 GALS, FAT A/N: 572703	D189	C197			
STORAGE TANK, NO. 3, STEAM HEATED, 30,000 GALS, FAT A/N: 572704	D190	C197			
STORAGE TANK, NO. 4, STEAM HEATED, 30,000 GALS, FAT A/N: 572705	D191	C197			

- (1) (1A) (1B) Denotes RECLAIM emission factor
 - (3) Denotes RECLAIM concentration limit
 - (5) (5A) (5B) Denotes command and control emission limit
 - (7) Denotes NSR applicability limit
 - (9) See App B for Emission Limits
 - (2) (2A) (2B) Denotes RECLAIM emission rate
 - (4) Denotes BACT emission limit
 - (6) Denotes air toxic control rule limit
 - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 - (10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE DARLING-INGREDIENTS INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: RENDERING					
CONDENSER, NO. 1, AIR COOLED, HARSCO, MODEL 120-3Z A/N: 647407	C196	D186 C194 C197			C6.12, D12.6
SCRUBBER, PACKED BED, INTEGRATED ENVIRONMENTAL SERVICES, INC., 5000 CFM, HEIGHT: 22 FT ; DIAMETER: 3 FT 8 IN A/N: 647407	C239	C123 C198			C6.13, C8.14, D12.17
CONDENSER, NO. 2, AIR COOLED, HARSCO, MODEL 120-3Z A/N: 647407	C212	D186 C197			C6.12, D12.6
SCRUBBER, PACKED BED, INTEGRATED ENVIRONMENTAL SERVICES, INC., 10,000 CFM, HEIGHT: 22 FT ; DIAMETER: 5 FT A/N: 647407	C240	C197 C198			C6.13, C8.15, D12.17
SCRUBBER, VENTURI, AC CORPORATION, MODEL VS-12, 15,000 CFM A/N: 647407	C197	D164 D165 D166 D167 D170 D177 D179 D180 D181 D182 D183 D186 D188 D189 D190 D191 D192 C195 C196 C198 C212 D215 D216 D226 D227 D228 D229 D230 D231 C240 D241			C8.2, C8.10, D12.7, D12.8

- * (1) (1A) (1B) Denotes RECLAIM emission factor
 - (3) Denotes RECLAIM concentration limit
 - (5) (5A) (5B) Denotes command and control emission limit
 - (7) Denotes NSR applicability limit
 - (9) See App B for Emission Limits
 - (2) (2A) (2B) Denotes RECLAIM emission rate
 - (4) Denotes BACT emission limit
 - (6) Denotes air toxic control rule limit
 - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 - (10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**FACILITY PERMIT TO OPERATE
DARLING INGREDIENTS INC.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: RENDERING					
CONVEYOR, SCREW, CRAX, SILO DISCHARGE A/N: 611078	D46				
BUCKET ELEVATOR, FINISHED PROTEIN A/N: 611078	D50	C65			
CONVEYOR, SCREW, FINISHED PROTEIN TRANSFER A/N: 611078	D52				
BIN, WEIGH, LOADOUT, FINISHED PROTEIN, 8500 GALS A/N: 611078	D37				
WEIGH STATION, SCALE A/N: 611078	D39				
System 7: CONTROL EQUIPMENT					
CONDENSER, AIR COOLED, WIDTH: 12 FT 2 IN; LENGTH: 45 FT 3 IN; 61178 SQ.FT.; HEIGHT: 15 FT 3 IN A/N: 647407	C122	D25 C123			C6.12, D12.6
SCRUBBER, VENTURI, WIDTH: 4 FT; HEIGHT: 17 FT 6 IN; LENGTH: 4 FT 6 IN A/N: 647407	C123	D27 D62 D63 D77 D78 D79 D80 D81 D82 D83 D84 C122 D137 D138 D141 C198 D220 D221 C239 D242 D243			C8.2, C8.10, D12.7, D12.8
POT, KNOCK-OUT, ENTRAINMENT TRAP A/N: 647407	C194	D162 C195 C196			
CONDENSER, AIR COOLED, AC CORPORATION, MODEL ACC-420 A/N: 647407	C195	D186 C194 C197 D207 D218 D219			C6.12, D12.6

- * (1) (1A) (1B) Denotes RECLAIM emission factor
 - (3) Denotes RECLAIM concentration limit
 - (5) (5A) (5B) Denotes command and control emission limit
 - (7) Denotes NSR applicability limit
 - (9) See App B for Emission Limits
 - (2) (2A) (2B) Denotes RECLAIM emission rate
 - (4) Denotes BACT emission limit
 - (6) Denotes air toxic control rule limit
 - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 - (10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE DARLING INGREDIENTS INC.

SECTION E: ADMINISTRATIVE CONDITIONS

5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to SCAQMD personnel upon request and be maintained for at least: [204]
 - a. Three years for a facility not subject to Title V; or
 - b. Five years for a facility subject to Title V.
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by SCAQMD rules or permit conditions: [204]
 - a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]
 - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
 - c. For a large NOx source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
 - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]



FACILITY PERMIT TO OPERATE DARLING INGREDIENTS INC.

SECTION E: ADMINISTRATIVE CONDITIONS

- e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compounds which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO₂) and be averaged over 15 consecutive minutes; [407]
- f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO₂) at standard conditions and averaged over 15 consecutive minutes. [409]
- g. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O₂) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
- 8. All equipment operating under the RECLAIM program shall comply concurrently with all SCAQMD Rules and Regulations, except those listed in Table 1 of Rule 2001 for NO_x RECLAIM sources and Table 2 of Rule 2001 for SO_x RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO_x or SO_x emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed SCAQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO_x or SO_x source, respectively. [2001]
- 9. The operator shall, when a source test is required by SCAQMD, provide a source test protocol to SCAQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by SCAQMD. The test protocol shall contain the following information: [204, 304]
 - a. Brief description of the equipment tested.



FACILITY PERMIT TO OPERATE DARLING INGREDIENTS INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : C144, C146]

- C8.5 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 5 gpm.

To comply with this condition, the operator shall monitor the flow rate as specified in condition D12.15.

[Devices subject to this condition : C144, C146]

- C8.10 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 30 gpm.

To comply with this condition, the operator shall monitor the flow rate as specified in condition D12.7.

[Devices subject to this condition : C123, C197]

- C8.11 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 600 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the recirculation line.

This condition applies to both stages of the scrubber.

[Devices subject to this condition : C199]

- C8.12 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1202 Deg F.



FACILITY PERMIT TO OPERATE DARLING INGREDIENTS INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D162]

- C6.12 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 165 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the discharge water.

[Devices subject to this condition : C122, C195, C196, C212]

- C6.13 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 12 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the scrubber.

[Devices subject to this condition : C239, C240]

- C8.2 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 3 gpm.

To comply with this condition, the operator shall monitor the flow rate as specified in condition no. D12.8.

[Devices subject to this condition : C123, C197]

- C8.4 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 750 gpm.

To comply with this condition, the operator shall monitor the flow rate as specified in condition D12.7.



FACILITY PERMIT TO OPERATE DARLING INGREDIENTS INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : C65]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the cooker.

[Devices subject to this condition : D25]

D12.2 The operator shall install and maintain a(n) pressure gauge to accurately indicate the pressure in the cooker coils and shafts.

[Devices subject to this condition : D25]

D12.3 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the storage tank.

[Devices subject to this condition : D66, D67, D68, D91, D232]

D12.6 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the condenser discharge water.

[Devices subject to this condition : C122, C195, C196, C212]

D12.7 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the scrubber solution recirculation line(s).

[Devices subject to this condition : C123, C144, C146, C197]



FACILITY PERMIT TO OPERATE DARLING INGREDIENTS INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the combustion chamber of the oxidizer.

The operator shall install and maintain a device to continuously record the parameter being measured.

The exhaust gas shall have minimum retention time of 0.3 seconds at a temperature greater than 1202 degrees Fahrenheit.

[Devices subject to this condition : C198]

- C8.14 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 50 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the recirculation line.

[Devices subject to this condition : C239]

- C8.15 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 100 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the recirculation line.

[Devices subject to this condition : C240]

- C10.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, is maintained between 2 and 6 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the baghouse.



FACILITY PERMIT TO OPERATE DARLING INGREDIENTS INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D238]

E448.6 The operator shall comply with the following requirements:

Weekly visible inspections of the stack to monitor visible emissions shall be required to ensure there are no visible emissions from the air pollution control system and the operator shall maintain records demonstrating the date, time, if any visible emissions were observed and person performing the inspection. These records shall be made available to South Coast AQMD personnel upon request.

[Devices subject to this condition : C198]

E448.7 The operator shall comply with the following requirements:

The device shall be operated in the Permanent Total Enclosure (C234).

[RULE 415, 11-3-2017]

[Devices subject to this condition : D244, D245, D246]

H. Applicable Rules

H23.3 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
CO	District Rule	1146

[Devices subject to this condition : D200, D222]



**FACILITY PERMIT TO OPERATE
DARLING INGREDIENTS INC.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Visible Emissions	District Rule	1155

[Devices subject to this condition : C65]

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
NOX	District Rule	1147

[RULE 1147, 5-6-2022]

[Devices subject to this condition : C198]