

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

Permit Being Modified

Permit Class: PCP **Number:** 220001

Description of Modifications: This Air permit application for modification requests the removal of ABCO boiler (E2) and its respective Operating Scenarios (OS1 & OS2) and Emission Point (PT2).

With the removal of the ABCO boiler the following information has been revised:

ABCO

Natural Gas Permitted = 109 MMft³/year change to 0 MMft³/year

No. 2 Fuel Oil Permitted =26,230 gal/year change to 0 gal/year

Nebraska

Natural Gas = No change

No. 2 Fuel Oil = No change

Victory

Natural Gas = No change

No. 2 Fuel Oil = No change

Total PTE change:

NOx decrease of 5.219 tons/year. From 11.2 tons/year to 5.981 tons/year

CO decrease of 4.668 tons/year. From 19.20 tons/year to 14.532 tons/year

VOC decrease of 0.307 tons/year. From 2.34 tons/year to 2.033 tons/year

TSP decrease of 0.442 tons/year. From 3.40 tons/year to 2.958 tons/year

PM10 decrease of 0.442 tons/year. From 3.40 tons/year to 2.958 tons/year

PM2.5 decrease of 0.432 tons/year. From 3.38 tons/year to 2.948 tons/year

SOx decrease of 0.402 tons/year. From 1.08 tons/year to 0.678 tons/year

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): DARLING INGREDIENTS INC

Facility ID (AIMS): 05574

Street 825 WILSON AVE
Address: NEWARK, NJ 07105

State Plane Coordinates:	
X-Coordinate:	596,002
Y-Coordinate:	685,230
Units:	New Jersey State Plane 8
Datum:	NAD83
Source Org.:	DEP-GIS
Source Type:	GPS

Mailing 825 WILSON AVE
Address: NEWARK, NJ 07105

County: Essex
Location
Description:

Industry:	
Primary SIC:	
Secondary SIC:	
NAICS:	311613

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: Air Permit Information Contact

Organization: Darling Ingredients Inc

Org. Type: Corporation

Name: Kelly C. Thomas

NJ EIN: 36249534600

Title: Director of Environmental Affairs

Phone: (859) 572-2591 x

Mailing Address: 4221 Alexandria Pike

Fax: () - x

Cold Spring, KY 41076

Other: () - x

Type:

Email: KThomas@darlingii.com

Contact Type: Emission Statements

Organization: Darling Ingredients Inc

Org. Type: Corporation

Name: Matthew Appleby

NJ EIN: 36249534600

Title: General Manager

Phone: (973) 474-5908 x

Mailing Address: 825 Wilson Avenue

Fax: () - x

Newark, NJ 07105

Other: () - x

Type:

Email: MAppleby@darlingii.com

Contact Type: Fees/Billing Contact

Organization: Darling Ingredients Inc

Org. Type: Corporation

Name: Matthew Appleby

NJ EIN: 36249534600

Title: General Manager

Phone: (973) 474-5908 x

Mailing Address: 825 Wilson Avenue

Fax: () - x

Newark, NJ 07105

Other: () - x

Type:

Email: MAppleby@darlingii.com

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: General Contact

Organization: Darling Ingredients Inc

Org. Type: Corporation

Name: Matthew Appleby

NJ EIN: 36249534600

Title: General Manager

Phone: (973) 474-5908 x

Mailing Address: 825 Wilson Avenue

Fax: () - x

Newark, NJ 07105

Other: () - x

Type:

Email: MAppleby@darlingii.com

Contact Type: Responsible Official

Organization: Darling Ingredients Inc

Org. Type: Corporation

Name: Jason Woosley

NJ EIN: 36249534600

Title: Reginal Vice President

Phone: (859) 393-1425 x

Mailing Address: 825 Wilson Avenue

Fax: () - x

Newark, NJ 07105

Other: () - x

Type:

Email: jwoosley@darlingii.com

DARLING INGREDIENTS INC.
Newark, NJ
AIR PERMIT APPLICATION FOR BOILERS
PCP220001 - BOILERS

EMISSION UNIT: U2 - BOILERS

1.0 EMISSION SUMMARY

1.1 VICTORY BOILER EMISSIONS SUMMARY (EXISTING PERMIT- NO EMISSIONS INCREASES)

Operating Scenario	Fuel Type	Proposed Fuel amount	Units	Proposed Run hours	Units	NOx		CO		VOC		TSP		PM10		PM2.5		SOx		NH3	
						lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr
OS7	Natural Gas	500.00	MM FT ³ /yr	5,705	Hours/yr	0.89	2.55	3.31	9.44	0.45	1.28	0.67	1.90	0.67	1.90	0.67	1.90	0.05	0.15	0.40	1.14
OS8	No. 2 Fuel Oil	29.36	1000's gal/yr	48	Hours/yr	2.63	0.06	3.34	0.08	0.76	0.02	1.22	0.03	1.22	0.03	0.79	0.02	0.13	0.003	-----	-----
TOTAL						2.613		9.515		1.293		1.929		1.929		1.919		0.153		1.141	

1.2 NEBRASKA BOILER EMISSIONS SUMMARY (EXISTING PERMIT- NO EMISSIONS INCREASES)

Operating Scenario	Fuel Type	Proposed Fuel amount	Units	Proposed Run hours	Units	NOx		CO		VOC		TSP		PM10		PM2.5		SOx	
						lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr
OS6	Natural Gas	265.00	MM FT ³ /yr	2,794	Hours/yr	2.27	3.17	3.53	4.93	0.52	0.73	0.72	1.01	0.72	1.01	0.72	1.01	0.06	0.08
OS5	No. 2 Fuel Oil	31.50	1000's gal/yr	48	Hours/yr	8.23	0.20	3.56	0.09	0.46	0.01	0.92	0.02	0.92	0.02	0.92	0.02	18.38	0.44
TOTAL						3.368		5.016		0.740		1.029		1.029		1.029		0.525	

1.3 ABCO BOILER EMISSIONS SUMMARY (BOILER REMOVED)

Operating Scenario	Fuel Type	Proposed Fuel amount	Units	Proposed Run hours	Units	NOx		CO		VOC		TSP		PM10		PM2.5		SOx	
						lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr
OS2	Natural Gas	0.00	MM FT ³ /yr	0	Hours/yr	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
OS1	No. 2 Fuel Oil	0.00	1000's gal/yr	0	Hours/yr	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
TOTAL						0.000		0.000		0.000		0.000		0.000		0.000		0.000	

Total Proposed Emissions (tons/yr) =	NOx	CO	VOC	TSP	PM10	PM2.5	SOx
	5.981	14.532	2.033	2.958	2.958	2.948	0.678
PCP2200001 Limits (tons/yr) =	11.2	19.2	2.34	3.4	3.4	3.38	1.08
Change in Emissions (tons/yr) =	-5.219	-4.668	-0.307	-0.442	-0.442	-0.432	-0.402