

**HARLEIGH CEMETERY ASSOC (50318)
PCP200002**

Date:8/10/2020

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

Permit Being Modified

Permit Class: **Number:**0

Description 1.Consolidate existing PCP 970001 (E1 - PPII), PCP 970002 (E2 - PPII), and E3 - B&L
of Modifications: cremation units under one single permit

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): Harleigh Cemetery Assoc

Facility ID (AIMS): 50318

Street 1640 HADDON AVE
Address: CAMDEN, NJ 08103

Mailing PO BOX 8295
Address: RED BANK, NJ 07701

County: Camden
Location Human Crematory
Description:

State Plane Coordinates: X-Coordinate: Y-Coordinate: Units: Datum: Source Org.: Source Type:

Industry: Primary SIC: Secondary SIC: NAICS: 812220

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Air Permit Information Contact

Organization: **Org. Type:** Nonprofit
Name: Louis Cicalese **NJ EIN:**
Title: President
Phone: (732) 530-4045 x **Mailing Address:** PO BOX 8295
Fax: () - x RED BANK, NJ 07701
Other: () - x
Type:
Email: jessica@cemdevco.com

Contact Type: Fees/Billing Contact

Organization: **Org. Type:** Nonprofit
Name: Louis Cicalese **NJ EIN:**
Title: President
Phone: (732) 530-4045 x **Mailing Address:** PO BOX 8295
Fax: () - x RED BANK, NJ 07701
Other: () - x
Type:
Email: jessica@cemdevco.com

Contact Type: Owner (Current Primary)

Organization: **Org. Type:** Nonprofit
Name: Louis Cicalese **NJ EIN:**
Title: President
Phone: (732) 530-4045 x **Mailing Address:** PO BOX 8295
Fax: () - x RED BANK, NJ 07701
Other: () - x
Type:
Email: jessica@cemdevco.com

HARLEIGH CEMETERY ASSOC (50318)
PCP200002

Date: 8/10/2020

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Responsible Official

Organization:

Org. Type: Nonprofit

Name: Louis Cicalese

NJ EIN:

Title: President

Phone: (732) 530-4045 x

Mailing PO BOX 8295

Fax: () - x

Address: RED BANK, NJ 07701

Other: () - x

Type:

Email: jessica@cemdevco.com

**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
E1	UNIT 1	PPII (PCP970001)	Incinerator			No		
E2	UNIT 2	PPII (PCP970002)	Incinerator			No		
E3	UNIT 3	B&L	Incinerator			No		

50318 HARLEIGH CEMETERY ASSOC PCP200002 E1 (Incinerator)
Print Date: 8/4/2020

Make:	MATTHEWS INTERNATIONAL
Manufacturer:	MATTHEWS ENVIRONMENTAL SOLUTIONS
Model:	PPII (POWER PAK II)
Unit Type:	Other
Description:	Multiple Chamber Human Cremation Machine
Maximum Waste Processing Capacity:	100
Units:	lb/hr
Physical State of Waste being Incinerated:	Other
Description:	Solid and semi solid
Primary Chamber Maximum Gross Heat Input from Fuel (MMbtu/hr, HHV):	0.7
Primary Chamber Maximum Primary Air (acfm):	
Primary Chamber Maximum Gas Flow Rate (acfm):	
Primary Chamber Volume (ft³):	69
Primary Chamber Minimum Design Operation Temperature (°F):	
Primary Chamber Minimum Gas Residence Time (sec):	
Secondary Chamber Maximum Gross Heat Input from Fuel (MMBtu/hr, HHV):	1.2
Secondary Chamber Maximum Primary Air (acfm):	
Secondary Chamber Maximum Gas Flow Rate (acfm):	
Secondary Chamber Volume (ft³):	71
Secondary Chamber Minimum Design Operation Temperature (°F):	1600
Secondary Chamber Minimum Gas Residence Time (sec):	1
Secondary Chamber Maximum Outlet Air Flow Rate (acfm):	
Secondary Chamber Minimum Outlet Temperature (°F):	900
Type of Plume Supression:	NONE
Do you have a bypass Stack?	<input type="radio"/> Yes <input checked="" type="radio"/> No

50318 HARLEIGH CEMETERY ASSOC PCP200002 E1 (Incinerator)
Print Date: 8/4/2020

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

Yes
 No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

Yes
 No

Comments:

50318 HARLEIGH CEMETERY ASSOC PCP200002 E2 (Incinerator)
Print Date: 8/4/2020

Make:	MATTHEWS INTERNATIONAL
Manufacturer:	MATTHEWS ENVIRONMENTAL SOLUTIONS
Model:	PPII (POWER PAK II)
Unit Type:	Crematorium
Description:	
Maximum Waste Processing Capacity:	100
Units:	lb/hr
Physical State of Waste being Incinerated:	Other
Description:	Solid and semi solid
Primary Chamber Maximum Gross Heat Input from Fuel (MMbtu/hr, HHV):	0.7
Primary Chamber Maximum Primary Air (acfm):	
Primary Chamber Maximum Gas Flow Rate (acfm):	
Primary Chamber Volume (ft³):	69
Primary Chamber Minimum Design Operation Temperature (°F):	
Primary Chamber Minimum Gas Residence Time (sec):	
Secondary Chamber Maximum Gross Heat Input from Fuel (MMBtu/hr, HHV):	1.2
Secondary Chamber Maximum Primary Air (acfm):	
Secondary Chamber Maximum Gas Flow Rate (acfm):	
Secondary Chamber Volume (ft³):	71
Secondary Chamber Minimum Design Operation Temperature (°F):	1600
Secondary Chamber Minimum Gas Residence Time (sec):	1
Secondary Chamber Maximum Outlet Air Flow Rate (acfm):	
Secondary Chamber Minimum Outlet Temperature (°F):	900
Type of Plume Supression:	NONE
Do you have a bypass Stack?	<input type="radio"/> Yes <input checked="" type="radio"/> No

50318 HARLEIGH CEMETERY ASSOC PCP200002 E2 (Incinerator)
Print Date: 8/4/2020

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

Yes
 No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

Yes
 No

Comments:

50318 HARLEIGH CEMETERY ASSOC PCP200002 E3 (Incinerator)
Print Date: 8/4/2020

Make:	
Manufacturer:	B&L Cremation Systems
Model:	N-20AA
Unit Type:	Crematorium
Description:	
Maximum Waste Processing Capacity:	150
Units:	lb/hr
Physical State of Waste being Incinerated:	Solid
Description:	
Primary Chamber Maximum Gross Heat Input from Fuel (MMBtu/hr, HHV):	0.5
Primary Chamber Maximum Primary Air (acfm):	
Primary Chamber Maximum Gas Flow Rate (acfm):	
Primary Chamber Volume (ft ³):	68
Primary Chamber Minimum Design Operation Temperature (°F):	
Primary Chamber Minimum Gas Residence Time (sec):	
Secondary Chamber Maximum Gross Heat Input from Fuel (MMBtu/hr, HHV):	1
Secondary Chamber Maximum Primary Air (acfm):	
Secondary Chamber Maximum Gas Flow Rate (acfm):	
Secondary Chamber Volume (ft ³):	86
Secondary Chamber Minimum Design Operation Temperature (°F):	1600
Secondary Chamber Minimum Gas Residence Time (sec):	1
Secondary Chamber Maximum Outlet Air Flow Rate (acfm):	
Secondary Chamber Minimum Outlet Temperature (°F):	1100
Type of Plume Supression:	
Do you have a bypass Stack?	<input type="radio"/> Yes <input checked="" type="radio"/> No

50318 HARLEIGH CEMETERY ASSOC PCP200002 E3 (Incinerator)
Print Date: 8/4/2020

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

 Yes
 No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

 Yes
 No

Comments:

HARLEIGH CEMETERY ASSOC (50318)
PCP200002

Date: 8/10/2020

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	UNIT 1	SINGLE STACK	Round	20	18		1,100.0	900.0	1,500.0	2,200.0	1,800.0	2,500.0	Up	
PT2	UNIT 2	SINGLE STACK	Round	20	18		1,100.0	900.0	1,500.0	2,200.0	1,800.0	2,500.0	Up	
PT3	UNIT 3	SINGLE STACK	Round	18	18		1,100.0	900.0	1,500.0	2,200.0	1,800.0	2,500.0	Up	

HARLEIGH CEMETERY ASSOC (50318)
PCP200002

Date: 8/10/2020

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

U 1 UNITS 1,2,3 Two PPII units and One B&L N-20AA unit

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	UNIT 1	PPII (PCP970001) CREMATOR BURNING GAS	Normal - Steady State	E1		PT1		1,000.0	3,744.0		1,800.0	2,500.0	900.0	1,500.0
OS2	UNIT 2	PPII (PCP970002) CREMATOR BURNING GAS	Normal - Steady State	E2		PT2		1,000.0	3,744.0		1,800.0	2,500.0	900.0	1,500.0
OS3	UNIT 3	B&L N-20AA CREMATOR BURNING GAS	Normal - Steady State	E3		PT3		1,000.0	3,744.0		1,800.0	2,500.0	900.0	1,500.0

50318 HARLEIGH CEMETERY ASSOC PCP200002 U1 OS1 (Primary Fuel Information Table)
Print Date: 8/4/2020

Is this fuel a blend?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Fuel Category:	Commercial
Fuel Type:	Natural gas
Description (if other):	
Amount of Sulfur in Fuel (%):	
Amount of Ash in Fuel (%):	
Fuel Heating Value:	1000
Units:	BTU/scf
Estimated Maximum Amount of Fuel Burned Annually:	
Units:	
Estimated Actual Amount of Fuel Burned Annually:	
Units:	
Amount of Oxygen in Flue Gas (%):	
Amount of Moisture in Flue Gas (%):	
Minimum Operating Temperature (°F):	1600
Gross Heat Input from the Waste Burned (MMBTU/hr):	

50318 HARLEIGH CEMETERY ASSOC PCP200002 U1 OS2 (Primary Fuel Information Table)
Print Date: 8/4/2020

Is this fuel a blend?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Fuel Category:	Commercial
Fuel Type:	Natural gas
Description (if other):	
Amount of Sulfur in Fuel (%):	
Amount of Ash in Fuel (%):	
Fuel Heating Value:	1000
Units:	BTU/scf
Estimated Maximum Amount of Fuel Burned Annually:	
Units:	
Estimated Actual Amount of Fuel Burned Annually:	
Units:	
Amount of Oxygen in Flue Gas (%):	
Amount of Moisture in Flue Gas (%):	
Minimum Operating Temperature (°F):	1600
Gross Heat Input from the Waste Burned (MMBTU/hr):	

50318 HARLEIGH CEMETERY ASSOC PCP200002 U1 OS3 (Primary Fuel Information Table)
Print Date: 8/4/2020

Is this fuel a blend?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Fuel Category:	Commercial
Fuel Type:	Natural gas
Description (if other):	
Amount of Sulfur in Fuel (%):	
Amount of Ash in Fuel (%):	
Fuel Heating Value:	1000
Units:	BTU/scf
Estimated Maximum Amount of Fuel Burned Annually:	
Units:	
Estimated Actual Amount of Fuel Burned Annually:	
Units:	
Amount of Oxygen in Flue Gas (%):	
Amount of Moisture in Flue Gas (%):	
Minimum Operating Temperature (°F):	1600
Gross Heat Input from the Waste Burned (MMBTU/hr):	