

Exhibit 1 – Part 4

**Hess NEC Proposed Permit
Permit Activity No.: BOP110001
Program Interest No.: 08857**

08857 HESS NEWARK ENERGY CENTER BOP110001 CD101 (Selective Catalytic Reduction)
Print Date: 9/13/2012

Make:	<input type="text"/>
Manufacturer:	<input type="text" value="TBD"/>
Model:	<input type="text" value="TBD"/>
Minimum Temperature at Catalyst Bed (°F):	<input type="text"/>
Maximum Temperature at Catalyst Bed (°F):	<input type="text"/>
Minimum Temperature at Reagent Injection Point (°F):	<input type="text"/>
Maximum Temperature at Reagent Injection Point (°F):	<input type="text"/>
Type of Reagent:	<input type="text" value="Ammonia"/>
Description:	<input type="text"/>
Chemical Formula of Reagent:	<input type="text"/>
Minimum Reagent Charge Rate (gpm):	<input type="text"/>
Maximum Reagent Charge Rate (gpm):	<input type="text"/>
Minimum Concentration of Reagent in Solution (% Volume):	<input type="text"/>
Minimum NOx to Reagent Mole Ratio:	<input type="text"/>
Maximum NOx to Reagent Mole Ratio:	<input type="text"/>
Maximum Anticipated Ammonia Slip (ppm):	<input type="text"/>
Type of Catalyst:	<input type="text"/>
Volume of Catalyst (ft³):	<input type="text"/>
Form of Catalyst:	<input type="text"/>
Anticipated Life of Catalyst:	<input type="text"/>
Units:	<input type="text"/>
Have you attached a catalyst replacement schedule?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Method of Determining Breakthrough:	<input type="text"/>
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	<input type="text" value="2"/>
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	<input type="text"/>
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	<input type="radio"/> Yes <input checked="" type="radio"/> No

08857 HESS NEWARK ENERGY CENTER BOP110001 CD101 (Selective Catalytic Reduction)
Print Date: 9/13/2012

Comments:

The maximum concentration of ammonia in solution is 19% by weight

Make:	<input type="text"/>
Manufacturer:	<input type="text" value="TBD"/>
Model:	<input type="text" value="TBD"/>
Minimum Inlet Temperature (°F):	<input type="text"/>
Maximum Inlet Temperature (°F)	<input type="text"/>
Minimum Outlet Temperature (°F)	<input type="text"/>
Maximum Outlet Temperature (°F):	<input type="text"/>
Minimum Residence Time (sec)	<input type="text"/>
Fuel Type:	<input type="text"/>
Description:	<input type="text"/>
Maximum Rated Gross Heat Input (MMBtu/hr):	<input type="text"/>
Minimum Pressure Drop Across Catalyst (psi):	<input type="text"/>
Maximum Pressure Drop Across Catalyst (psi):	<input type="text"/>
Catalyst Material:	<input type="text"/>
Form of Catalyst:	<input type="text"/>
Description:	<input type="text"/>
Minimum Expected Life of Catalyst:	<input type="text"/>
Units:	<input type="text"/>
Volume of Catalyst (ft³):	<input type="text"/>
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	<input type="text" value="2"/>
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	<input type="text"/>

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:

08857 HESS NEWARK ENERGY CENTER BOP110001 CD201 (Selective Catalytic Reduction)
Print Date: 9/13/2012

Make:	<input type="text"/>
Manufacturer:	<input type="text" value="TBD"/>
Model:	<input type="text" value="TBD"/>
Minimum Temperature at Catalyst Bed (°F):	<input type="text"/>
Maximum Temperature at Catalyst Bed (°F):	<input type="text"/>
Minimum Temperature at Reagent Injection Point (°F):	<input type="text"/>
Maximum Temperature at Reagent Injection Point (°F):	<input type="text"/>
Type of Reagent:	<input type="text" value="Ammonia"/>
Description:	<input type="text"/>
Chemical Formula of Reagent:	<input type="text"/>
Minimum Reagent Charge Rate (gpm):	<input type="text"/>
Maximum Reagent Charge Rate (gpm):	<input type="text"/>
Minimum Concentration of Reagent in Solution (% Volume):	<input type="text"/>
Minimum NOx to Reagent Mole Ratio:	<input type="text"/>
Maximum NOx to Reagent Mole Ratio:	<input type="text"/>
Maximum Anticipated Ammonia Slip (ppm):	<input type="text"/>
Type of Catalyst:	<input type="text"/>
Volume of Catalyst (ft³):	<input type="text"/>
Form of Catalyst:	<input type="text"/>
Anticipated Life of Catalyst:	<input type="text"/>
Units:	<input type="text"/>
Have you attached a catalyst replacement schedule?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Method of Determining Breakthrough:	<input type="text"/>
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	<input type="text" value="2"/>
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	<input type="text"/>
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	<input type="radio"/> Yes <input checked="" type="radio"/> No

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Comments:

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Manufacturer:	<input type="text" value="TBD"/>
Model:	<input type="text" value="TBD"/>
Minimum Inlet Temperature (°F):	<input type="text"/>
Maximum Inlet Temperature (°F)	<input type="text"/>
Minimum Outlet Temperature (°F)	<input type="text"/>
Maximum Outlet Temperature (°F):	<input type="text"/>
Minimum Residence Time (sec)	<input type="text"/>
Fuel Type:	<input type="text"/>
Description:	<input type="text"/>
Maximum Rated Gross Heat Input (MMBtu/hr):	<input type="text"/>
Minimum Pressure Drop Across Catalyst (psi):	<input type="text"/>
Maximum Pressure Drop Across Catalyst (psi):	<input type="text"/>
Catalyst Material:	<input type="text"/>
Form of Catalyst:	<input type="text"/>
Description:	<input type="text"/>
Minimum Expected Life of Catalyst:	<input type="text"/>
Units:	<input type="text"/>
Volume of Catalyst (ft³):	<input type="text"/>
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	<input type="text" value="2"/>
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	<input type="text"/>

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:

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	Turbine 1	Turbine 1, HRSG, & Aux. Blr Emission Point	Round	264	252	185	181.2	161.3	300.0	1,121,050.0	0.0	1,232,750.0	Up	
PT2	Turbine 2	Turbine 2 & HRSG Emission Point	Round	264	252	185	181.2	161.3	187.3	1,121,050.0	0.0	1,232,750.0	Up	
PT6	Em Gen	Emergency Generator Emission Point	Round	12	50	422	775.9	775.9	775.9	11,174.0	0.0	11,174.0	Up	
PT7	Fire Pump	Fire Pump Emission Point	Round	12	50	283	750.0	750.0	750.0	1,644.0	0.0	1,644.0	Up	
PT8	CoolingTower	Cooling Tower Emission Point (diameter is per cell)	Round	360	65	23	85.0	32.0	120.0	3,944.0	0.0	3,944.0	Up	

HESS NEWARK ENERGY CENTER (08857)
BOP110001

Date: 9/13/2012

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

U 1 Cogen Plant 2 Turbines, 2 HRSGs, and Aux. Boiler

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	CT-1:	Combustion Turbine (CT) 1 firing natural gas at full load without supplemental duct burner firing in Heat Recovery Steam Generator (HRSG) 1.	Normal - Steady State	E1	CD101 (P) CD102 (S)	PT1		0.0	8,760.0		0.0	1,232,750.0	161.3	187.3
OS2	CT-2	Combustion Turbine (CT) 2 firing natural gas at full load without supplemental duct burner firing in Heat Recovery Steam Generator (HRSG) 2.	Normal - Steady State	E2	CD201 (P) CD202 (P)	PT2		0.0	8,760.0		0.0	1,232,750.0	161.3	187.3
OS3	CT / HRSG-1	Combustion Turbine (CT) 1 firing natural gas at full load with natural gas fired duct burner in Heat Recovery Steam Generator (HRSG) 1.	Normal - Steady State	E3	CD101 (P) CD102 (S)	PT1		0.0	1,800.0		0.0	1,232,750.0	161.3	187.3
OS4	CT / HRSG-2	Combustion Turbine (CT) 2 firing natural gas at full load with natural gas fired duct burner in Heat Recovery Steam Generator (HRSG) 2.	Normal - Steady State	E4	CD201 (P) CD202 (S)	PT2		0.0	1,800.0		0.0	1,232,750.0	161.3	187.3
OS5	CT-1 SU/SD	Combustion Turbine (CT) 1 start-up and shut down.	Startup	E1	CD101 (P) CD102 (S)	PT1		0.0	467.0		0.0	1,232,750.0	161.3	187.3
OS6	CT-2 SU/SD	Combustion Turbine (CT) 2 start-up and shut down.	Shutdown	E2	CD201 (P) CD202 (S)	PT2		0.0	467.0		0.0	1,232,750.0	161.3	187.3
OS7	Aux. Boiler	Auxiliary Boiler firing natural gas.	Normal - Steady State	E5		PT1		0.0	800.0		0.0	19,301.0	300.0	300.0

**HESS NEWARK ENERGY CENTER (08857)
BOP110001**

Date: 9/13/2012

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

U 2 CoolingTower Cooling Tower

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	CoolingTower	Cooling Tower	Normal - Steady State	E8		PT8		0.0	8,760.0		0.0	3,944.0	32.0	120.0

U 3 Em Gen 1.5 MW Emergency Generator

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	Em Gen	1.5 MW Emergency Generator	Normal - Steady State	E6		PT6		0.0	100.0		0.0	11,174.0	70.0	775.9

HESS NEWARK ENERGY CENTER (08857)
BOP110001

Date: 9/13/2012

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

U 4 Fire Pump 270 HP Fire Pump

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	Fire Pump	270 HP Fire Pump	Normal - Steady State	E7		PT7		0.0	100.0		0.0	1,644.0	70.0	750.0

**New Jersey Department of Environmental Protection
Subject Item Group Inventory**

Group NJID: GR1 Emissions

Members:

Type	ID	OS	Step
U	U 1	OS0 Summary	
U	U 2	OS0 Summary	
U	U 3	OS0 Summary	
U	U 4	OS0 Summary	

Formal Reason(s) for Group/Cap:

Other

Other (explain): Consolidate total annual PTE from all sources.

Condition/Requirements that will be complied with or are no longer applicable as a result of this Group:

Operating Circumstances:

**New Jersey Department of Environmental Protection
Subject Item Group Inventory**

Group NJID: GR2 GHG

Members:

Type	ID	OS	Step
U	U 1	OS0 Summary	
U	U 3	OS0 Summary	
U	U 4	OS0 Summary	

Formal Reason(s) for Group/Cap:

Other

Other (explain): Consolidate all GHG requirements in one location.

Condition/Requirements that will be complied with or are no longer applicable as a result of this Group:

Operating Circumstances:

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

Permit Being Modified

Permit Class: **Number:**0

Description of Modifications: Newark Energy Center is a proposed new facility to be located at Doremus Avenue and Delancy Street, City of Newark, Essex County, New Jersey, and would consist of a nominal 655 megawatt (MW) combined cycle electric generating facility. The project is intended to operate as a base load facility and is proposing to be available to operate up to 8,500 hours per year. The equipment that emits air contaminants from this facility include:

1. Two General Electric (GE) 207FA.05 most modern, environmentally friendly, and energy efficient combined cycle combustion turbine generators (CTGs), two heat recovery steam generators (HRSG) equipped with duct burners. Each turbine will be equipped with Selective Catalytic Reduction System (SCR) to reduce NOx emissions and an Oxidation Catalyst to reduce CO emissions to the lowest possible level. Each combustion turbine will have a maximum rated heat input of 2,320 million British thermal units per hour (MMBtu/hr) at an ambient temperature of -8F, based on higher heating value of fuel (HHV) (not including supplemental duct-firing), and a maximum heat input rate of 2,266 MMBtu/hr HHV with supplemental duct-firing at 590F.
2. One 12-cell wet mechanical draft cooling tower.
3. One 66.2 MMBtu/hr (HHV) auxiliary boiler equipped with low NOx burners that would operate on natural gas for 800 hrs. per year or less.
4. One 270 HP diesel fire pump that would operate on ultra low sulfur distillate (ULSD) fuel oil with a sulfur content of 15 ppm by weight or less, for up to 200 hours per year.
5. One 1500 kilowatt (KW) emergency diesel generator that would use ULSD fuel oil and operate for 200 hours or less per year
6. Storage tanks, and ancillary equipment

**08857 HESS NEWARK ENERGY CENTER
BOP110001**

Date: 9/13/2012

**New Jersey Department of Environmental Protection
Potential to Emit**

Subject Item: FC

Operating Scenario:

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Acrolein			0.06000000	0.06000000	tons/yr	No
Benzene			0.23000000	0.23000000	tons/yr	No
CO			483.70000000	483.70000000	tons/yr	No
Formaldehyde			2.15000000	2.15000000	tons/yr	No
HAPs (Total)			8.22000000	8.22000000	tons/yr	No
NOx (Total)			139.10000000	139.10000000	tons/yr	No
PM-10 (Total)			101.27000000	101.27000000	tons/yr	No
PM-2.5 (Total)			97.65000000	97.65000000	tons/yr	No
Pb				0.00000000	tons/yr	No
SO2			19.73000000	19.73000000	tons/yr	No
TSP			67.17000000	67.17000000	tons/yr	No
Toluene			2.51000000	2.51000000	tons/yr	No
VOC (Total)			34.99000000	34.99000000	tons/yr	No

Subject Item: GR1 Emissions

Operating Scenario:

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Acrolein			0.06000000	0.06000000	tons/yr	
Ammonia			119.00000000	119.00000000	tons/yr	
Benzene			0.23000000	0.23000000	tons/yr	
CO			483.70000000	483.70000000	tons/yr	No
Formaldehyde			2.15000000	2.15000000	tons/yr	

**08857 HESS NEWARK ENERGY CENTER
BOP110001**

Date: 9/13/2012

**New Jersey Department of Environmental Protection
Potential to Emit**

Subject Item: GRI Emissions

Operating Scenario:

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
HAPs (Total)			8.22000000	8.22000000	tons/yr	No
Methane			152.78000000	152.78000000	tons/yr	
NOx (Total)			139.10000000	139.10000000	tons/yr	No
PM-10 (Total)			101.27000000	101.27000000	tons/yr	No
PM-2.5 (Total)			97.65000000	97.65000000	tons/yr	
Pb					tons/yr	No
SO2			19.73000000	19.73000000	tons/yr	No
TSP			67.17000000	67.17000000	tons/yr	No
Toluene			2.51000000	2.51000000	tons/yr	
VOC (Total)			34.99000000	34.99000000	tons/yr	No

Subject Item: U1 Cogen Plant

Operating Scenario: OS0 Summary

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Acrolein			0.06000000	0.06000000	tons/yr	No
Ammonia			119.00000000	119.00000000	tons/yr	
Benzene			0.23000000	0.23000000	tons/yr	No
CO			482.38000000	482.38000000	tons/yr	No
Formaldehyde			2.15000000	2.15000000	tons/yr	No
HAPs (Total)			8.22000000	8.22000000	tons/yr	
Methane			152.78000000	152.78000000	tons/yr	
NOx (Total)			137.09000000	137.09000000	tons/yr	No

**08857 HESS NEWARK ENERGY CENTER
BOP110001**

Date: 9/13/2012

**New Jersey Department of Environmental Protection
Potential to Emit**

Subject Item: U1 Cogen Plant

Operating Scenario: OS0 Summary

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
PM-10 (Total)			95.53000000	95.53000000	tons/yr	No
PM-2.5 (Total)			95.53000000	95.53000000	tons/yr	No
SO2			19.73000000	19.73000000	tons/yr	No
TSP			57.29000000	57.29000000	tons/yr	No
Toluene			2.51000000	2.51000000	tons/yr	No
VOC (Total)			34.71000000	34.71000000	tons/yr	No

Subject Item: U1 Cogen Plant

Operating Scenario: OS1 CT-1:

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Acrolein			0.00680000	0.00680000	lb/hr	No
Ammonia			5.00000000	5.00000000	ppmvd @ 15% O2	
Ammonia			16.00000000	16.00000000	lb/hr	
Benzene			0.02780000	0.02780000	lb/hr	No
CO			2.00000000	2.00000000	ppmvd @ 15% O2	
CO			0.00440000	0.00440000	lb/MMBTU	
CO			10.20000000	10.20000000	lb/hr	No
Formaldehyde			0.25520000	0.25520000	lb/hr	No
Methane			20.00000000	20.00000000	lb/hr	
NOx (Total)			0.75000000	0.75000000	lb/MW-hr	
NOx (Total)			16.80000000	16.80000000	lb/hr	No
NOx (Total)			0.00730000	0.00730000	lb/MMBTU	

**08857 HESS NEWARK ENERGY CENTER
BOP110001**

Date: 9/13/2012

**New Jersey Department of Environmental Protection
Potential to Emit**

Subject Item: U1 Cogen Plant

Operating Scenario: OS1 CT-1:

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
NOx (Total)			2.00000000	2.00000000	ppmvd @ 15% O2	
PM-10 (Total)			11.00000000	11.00000000	lb/hr	No
PM-2.5 (Total)			11.00000000	11.00000000	lb/hr	No
SO2			2.80000000	2.80000000	lb/hr	No
Sulfuric Acid Mist Emissions			1.36000000	1.36000000	lb/hr	
TSP			6.60000000	6.60000000	lb/hr	No
Toluene			0.30160000	0.30160000	lb/hr	No
VOC (Total)			1.00000000	1.00000000	ppmvd @ 15% O2	
VOC (Total)			2.90000000	2.90000000	lb/hr	No
VOC (Total)			0.00100000	0.00100000	lb/MMBTU	

Subject Item: U1 Cogen Plant

Operating Scenario: OS2 CT-2

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Acrolein			0.00680000	0.00680000	lb/hr	No
Ammonia			5.00000000	5.00000000	ppmvd @ 15% O2	
Ammonia			16.00000000	16.00000000	lb/hr	
Benzene			0.02780000	0.02780000	lb/hr	No
CO			2.00000000	2.00000000	ppmvd @ 15% O2	
CO			0.00440000	0.00440000	lb/MMBTU	
CO			10.20000000	10.20000000	lb/hr	No
Formaldehyde			0.25520000	0.25520000	lb/hr	No

**08857 HESS NEWARK ENERGY CENTER
BOP110001**

Date: 9/13/2012

**New Jersey Department of Environmental Protection
Potential to Emit**

Subject Item: U1 Cogen Plant

Operating Scenario: OS2 CT-2

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Methane			20.00000000	20.00000000	lb/hr	
NOx (Total)			0.75000000	0.75000000	lb/MW-hr	
NOx (Total)			2.00000000	2.00000000	ppmvd @ 15% O2	
NOx (Total)			0.00730000	0.00730000	lb/MMBTU	
NOx (Total)			16.80000000	16.80000000	lb/hr	No
PM-10 (Total)			11.00000000	11.00000000	lb/hr	No
PM-2.5 (Total)			11.00000000	11.00000000	lb/hr	No
SO2			2.80000000	2.80000000	lb/hr	No
Sulfuric Acid Mist Emissions			1.36000000	1.36000000	lb/hr	
TSP			6.60000000	6.60000000	lb/hr	No
Toluene			0.30160000	0.30160000	lb/hr	No
VOC (Total)			1.00000000	1.00000000	ppmvd @ 15% O2	
VOC (Total)			0.00100000	0.00100000	lb/MMBTU	
VOC (Total)			2.90000000	2.90000000	lb/hr	No

Subject Item: U1 Cogen Plant

Operating Scenario: OS3 CT / HRS-1

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Acrolein			0.00610000	0.00610000	lb/hr	
Ammonia			5.00000000	5.00000000	ppmvd @ 15% O2	
Ammonia			15.00000000	15.00000000	lb/hr	
Benzene			0.02530000	0.02530000	lb/hr	

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**New Jersey Department of Environmental Protection
Potential to Emit**

Subject Item: U1 Cogen Plant
Operating Scenario: OS3 CT / HRSG-1
Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO			2.00000000	2.00000000	ppmvd @ 15% O2	
CO			10.00000000	10.00000000	lb/hr	No
CO			0.00450000	0.00450000	lb/MMBTU	
Formaldehyde			0.24240000	0.24240000	lb/hr	
Methane			18.60000000	18.60000000	lb/hr	
NOx (Total)			0.75000000	0.75000000	lb/MW-hr	
NOx (Total)			2.00000000	2.00000000	ppmvd @ 15% O2	
NOx (Total)			0.00730000	0.00730000	lb/MMBTU	
NOx (Total)			16.50000000	16.50000000	lb/hr	No
PM-10 (Total)			13.20000000	13.20000000	lb/hr	No
PM-2.5 (Total)			13.20000000	13.20000000	lb/hr	No
SO2			2.50000000	2.50000000	lb/hr	No
Sulfuric Acid Mist Emissions			1.33000000	1.33000000	lb/hr	
TSP			7.90000000	7.90000000	lb/hr	No
Toluene			0.27090000	0.27090000	lb/hr	
VOC (Total)			2.00000000	2.00000000	ppmvd @ 15% O2	
VOC (Total)			5.70000000	5.70000000	lb/hr	No
VOC (Total)			0.00250000	0.00250000	lb/MMBTU	

**08857 HESS NEWARK ENERGY CENTER
BOP110001**

Date: 9/13/2012

**New Jersey Department of Environmental Protection
Potential to Emit**

Subject Item: U1 Cogen Plant
Operating Scenario: OS4 CT / HRS-2
Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Acrolein			0.00610000	0.00610000	lb/hr	
Ammonia			5.00000000	5.00000000	ppmvd @ 15% O2	
Ammonia			15.00000000	15.00000000	lb/hr	
Benzene			0.02530000	0.02530000	lb/hr	
CO			2.00000000	2.00000000	ppmvd @ 15% O2	
CO			0.00450000	0.00450000	lb/MMBTU	
CO			10.00000000	10.00000000	lb/hr	No
Formaldehyde			0.24240000	0.24240000	lb/hr	
Methane			18.60000000	18.60000000	lb/hr	
NOx (Total)			0.75000000	0.75000000	lb/MW-hr	
NOx (Total)			2.00000000	2.00000000	ppmvd @ 15% O2	
NOx (Total)			0.00730000	0.00730000	lb/MMBTU	
NOx (Total)			16.50000000	16.50000000	lb/hr	No
PM-10 (Total)			13.20000000	13.20000000	lb/hr	No
PM-2.5 (Total)			13.20000000	13.20000000	lb/hr	No
SO2			2.50000000	2.50000000	lb/hr	No
Sulfuric Acid Mist Emissions			1.33000000	1.33000000	lb/hr	
TSP			7.90000000	7.90000000	lb/hr	No
Toluene			0.27090000	0.27090000	lb/hr	
VOC (Total)			2.00000000	2.00000000	ppmvd @ 15% O2	
VOC (Total)			0.00250000	0.00250000	lb/MMBTU	
VOC (Total)			5.70000000	5.70000000	lb/hr	No

**08857 HESS NEWARK ENERGY CENTER
BOP110001**

Date: 9/13/2012

**New Jersey Department of Environmental Protection
Potential to Emit**

Subject Item: U1 Cogen Plant
Operating Scenario: OS5 CT-1 SU/SD
Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO			723.00000000	723.00000000	lb/hr	
NOx (Total)			0.75000000	0.75000000	lb/MW-hr	No
NOx (Total)			140.60000000	140.60000000	lb/hr	
VOC (Total)			42.40000000	42.40000000	lb/hr	

Subject Item: U1 Cogen Plant
Operating Scenario: OS6 CT-2 SU/SD
Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO			723.00000000	723.00000000	lb/hr	
NOx (Total)			140.60000000	140.60000000	lb/hr	
VOC (Total)			42.40000000	42.40000000	lb/hr	

Subject Item: U1 Cogen Plant
Operating Scenario: OS7 Aux. Boiler
Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO			2.45000000	2.45000000	lb/hr	No
Methane			0.15100000	0.15100000	lb/hr	
NOx (Total)			0.66000000	0.66000000	lb/hr	No
PM-10 (Total)			0.33000000	0.33000000	lb/hr	No

**08857 HESS NEWARK ENERGY CENTER
BOP110001**

Date: 9/13/2012

**New Jersey Department of Environmental Protection
Potential to Emit**

Subject Item: U1 Cogen Plant
Operating Scenario: OS7 Aux. Boiler
Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
PM-2.5 (Total)			0.33000000	0.33000000	lb/hr	No
SO2			0.08000000	0.08000000	lb/hr	No
TSP			0.22000000	0.22000000	lb/hr	No
VOC (Total)			0.27000000	0.27000000	lb/hr	No

Subject Item: U2 CoolingTower
Operating Scenario: OS0 Summary
Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
PM-10 (Total)			5.66000000	5.66000000	tons/yr	No
PM-2.5 (Total)			2.00000000	2.00000000	tons/yr	No
TSP			9.74000000	9.74000000	tons/yr	No

Subject Item: U2 CoolingTower
Operating Scenario: OS1 CoolingTower
Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
PM-10 (Total)			1.33000000	1.33000000	lb/hr	No
PM-2.5 (Total)			0.47000000	0.47000000	lb/hr	No
TSP			2.29000000	2.29000000	lb/hr	No

**08857 HESS NEWARK ENERGY CENTER
BOP110001**

Date: 9/13/2012

**New Jersey Department of Environmental Protection
Potential to Emit**

Subject Item: U3 Em Gen
Operating Scenario: OS0 Summary
Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO			1.16000000	1.16000000	tons/yr	No
NOx (Total)			1.85000000	1.85000000	tons/yr	No
PM-10 (Total)			0.07000000	0.07000000	tons/yr	No
PM-2.5 (Total)			0.07000000	0.07000000	tons/yr	No
SO2			D	D	tons/yr	No
TSP			0.06000000	0.06000000	tons/yr	No
VOC (Total)			0.26000000	0.26000000	tons/yr	No

Subject Item: U3 Em Gen
Operating Scenario: OS1 Em Gen
Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO			11.56000000	11.56000000	lb/hr	No
NOx (Total)			18.53000000	18.53000000	lb/hr	No
PM-10 (Total)			0.66000000	0.66000000	lb/hr	No
PM-2.5 (Total)			0.66000000	0.66000000	lb/hr	No
SO2			D	D	lb/hr	No
TSP			0.59000000	0.59000000	lb/hr	No
VOC (Total)			2.62000000	2.62000000	lb/hr	No

**08857 HESS NEWARK ENERGY CENTER
BOP110001**

Date: 9/13/2012

**New Jersey Department of Environmental Protection
Potential to Emit**

Subject Item: U4 Fire Pump

Operating Scenario: OS0 Summary

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO			0.16000000	0.16000000	tons/yr	No
NOx (Total)			0.16000000	0.16000000	tons/yr	No
PM-10 (Total)			0.00900000	0.00900000	tons/yr	No
PM-2.5 (Total)			0.00900000	0.00900000	tons/yr	No
SO2			D	D	tons/yr	No
TSP			0.00800000	0.00800000	tons/yr	No
VOC (Total)			0.02000000	0.02000000	tons/yr	No

Subject Item: U4 Fire Pump

Operating Scenario: OS1 Fire Pump

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO			1.55000000	1.55000000	lb/hr	No
NOx (Total)			1.55000000	1.55000000	lb/hr	No
PM-10 (Total)			0.09000000	0.09000000	lb/hr	No
PM-2.5 (Total)			0.09000000	0.09000000	lb/hr	No
SO2			D	D	lb/hr	No
TSP			0.08000000	0.08000000	lb/hr	No
VOC (Total)			0.22000000	0.22000000	lb/hr	No



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

CHRIS CHRISTIE
Governor

BOB MARTIN
Commissioner

KIM GUADAGNO
Lt. Governor

Appendix I

Clean Air Interstate Rule (CAIR) permit

Issued to: Newark Energy Center
Doremus Avenue and Delancy Street,
Newark, Essex County, New Jersey, 07105

Owned by: Hess NEC, LLC
921-981 Delancy Street
Newark, New Jersey, 07105

Operated by: Hess NEC, LLC
921-981 Delancy Street
Newark, New Jersey, 07105

ORIS Code: 58079

Effective: TBD (Coincide with the Operating Permit Date)

This CAIR permit is issued under the authority of Chapter 106, P.L. 1967 (N.J.S.A. 26:2C-9.2), 42 U.S.C. 7401, 7403, 7410, 7426, 7601, and 7651, *et seq.*, and Title V of the Clean Air Act. The owners and operators of each affected unit at this facility shall comply with all of the requirements established in this permit.

Approved by:

Yogesh Doshi
Supervisor, Bureau of Air Permits

CAIR PERMIT CONTENTS

- 1) STATEMENT OF BASIS
- 2) UNIT SPECIFIC REQUIREMENTS
- 3) COMMENTS, NOTES, AND JUSTIFICATIONS REGARDING PERMIT DECISIONS
- 4) CAIR PERMIT APPLICATION

1) Statement of Basis

In accordance with N.J.S.A. 26:2C-9.2, 42 U.S.C. 7401, 7403, 7410, 7426, 7601, and 7651, *et seq.*, and Title V of the Clean Air Act, the Department issues this permit pursuant to N.J.A.C. 7:27 *et seq.*

2) Unit Specific Requirements

The number of allowances is allocated to CAIR affected units by USEPA..

3) Comments, Notes, And Justifications Regarding Permit Decisions

None.

4) CAIR Permit Application

The owners and operators shall comply with all of the standard requirements and special provisions set forth on the attached CAIR Application for each affected unit.

CAIR Permit Application

(for sources subject to CAIR FIP)

For more information, refer to 40 CFR 97.121, 97.122, 97.221, 97.222, 97.321, and 97.322

This submission is: New Revised

STEP 1
Identify the source by plant name, State, and ORIS or facility code

Plant Name	Newark Energy Center	State	NJ	ORIS/Facility Code	58079
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STEP 2
Enter the unit ID# for each CAIR unit and indicate to which CAIR programs each unit is subject (by placing an "X" in the column)

Unit ID#	NO _x Annual	SO ₂	NO _x Ozone Season
GT-1	X	X	X
GT-2	X	X	X

STEP 3
Read the standard requirements and the certification, enter the name of the CAIR designated representative, and sign and date

Standard Requirements

(a) Permit Requirements.

(1) The CAIR designated representative of each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x Ozone Season source (as applicable) required to have a title V operating permit and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x Ozone Season unit (as applicable) required to have a title V operating permit at the source shall:

(i) Submit to the permitting authority a complete CAIR permit application under §97.122, §97.222, and §97.322 (as applicable) in accordance with the deadlines specified in §97.121, §97.221, and §97.321 (as applicable); and

(ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.

(2) The owners and operators of each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x Ozone Season source (as applicable) required to have a title V operating permit and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x Ozone Season unit (as applicable) required to have a title V operating permit at the source shall have a CAIR permit issued by the permitting authority under subpart CC, CCC, and CCCC (as applicable) of 40 CFR part 97 for the source and operate the source and the unit in compliance with such CAIR permit.

(3) Except as provided in subpart II, III, and IIII (as applicable) of 40 CFR part 97, the owners and operators of a CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x Ozone Season source (as applicable) that is not otherwise required to have a title V operating permit and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x Ozone Season unit (as applicable) that is not otherwise required to have a title V operating permit are not required to submit a CAIR permit application, and to have a CAIR permit, under subpart CC, CCC, and CCCC (as applicable) of 40 CFR part 97 for such CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x Ozone Season source (as applicable) and such CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x Ozone Season unit (as applicable).

STEP 3,
continued(b) Monitoring, reporting, and recordkeeping requirements.

(1) The owners and operators, and the CAIR designated representative, of each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x Ozone Season source (as applicable) and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x Ozone Season unit (as applicable) at the source shall comply with the monitoring, reporting, and recordkeeping requirements of subparts HH, HHH, and HHHH (as applicable) of 40 CFR part 97.

(2) The emissions measurements recorded and reported in accordance with subparts HH, HHH, and HHHH (as applicable) of 40 CFR part 97 shall be used to determine compliance by each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x Ozone Season source (as applicable) with the CAIR NO_x emissions limitation, CAIR SO₂ emissions limitation, and CAIR NO_x Ozone Season emissions limitation (as applicable) under paragraph (c) of §97.106, §97.206, and §97.306 (as applicable).

(c) Nitrogen oxides emissions requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_x source and each CAIR NO_x unit at the source shall hold, in the source's compliance account, CAIR NO_x allowances available for compliance deductions for the control period under §97.154(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_x units at the source, as determined in accordance with subpart HH of 40 CFR part 97.

(2) A CAIR NO_x unit shall be subject to the requirements under paragraph (c)(1) of §97.106 for the control period starting on the later of January 1, 2009 or the deadline for meeting the unit's monitor certification requirements under §97.170(b)(1), (2), or (5) and for each control period thereafter.

(3) A CAIR NO_x allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of §97.106, for a control period in a calendar year before the year for which the CAIR NO_x allowance was allocated.

(4) CAIR NO_x allowances shall be held in, deducted from, or transferred into or among CAIR NO_x Allowance Tracking System accounts in accordance with subparts EE, FF, GG, and II of 40 CFR part 97.

(5) A CAIR NO_x allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO_x Annual Trading Program. No provision of the CAIR NO_x Annual Trading Program, the CAIR permit application, the CAIR permit, or an exemption under §97.105 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(6) A CAIR NO_x allowance does not constitute a property right.

(7) Upon recordation by the Administrator under subpart EE, FF, GG, or II of 40 CFR part 97, every allocation, transfer, or deduction of a CAIR NO_x allowance to or from a CAIR NO_x source's compliance account is incorporated automatically in any CAIR permit of the source that includes the CAIR NO_x unit.

Sulfur dioxide emission requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR SO₂ source and each CAIR SO₂ unit at the source shall hold, in the source's compliance account, a tonnage equivalent of CAIR SO₂ allowances available for compliance deductions for the control period under §97.254(a) and (b) not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO₂ units at the source, as determined in accordance with subpart HHH of 40 CFR part 97.

(2) A CAIR SO₂ unit shall be subject to the requirements under paragraph (c)(1) of §97.206 for the control period starting on the later of January 1, 2010 or the deadline for meeting the unit's monitor certification requirements under §97.270(b)(1), (2), or (5) and for each control period thereafter.

(3) A CAIR SO₂ allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of §97.206, for a control period in a calendar year before the year for which the CAIR SO₂ allowance was allocated.

(4) CAIR SO₂ allowances shall be held in, deducted from, or transferred into or among CAIR SO₂ Allowance Tracking System accounts in accordance with subparts FFF, GGG, and III of 40 CFR part 97.

(5) A CAIR SO₂ allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO₂ Trading Program. No provision of the CAIR SO₂ Trading Program, the CAIR permit application, the CAIR permit, or an exemption under § 97.205 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(6) A CAIR SO₂ allowance does not constitute a property right.

(7) Upon recordation by the Administrator under subpart FFF, GGG, or III of 40 CFR part 97, every allocation, transfer, or deduction of a CAIR SO₂ allowance to or from a CAIR SO₂ source's compliance account is incorporated automatically in any CAIR permit of the source that includes the CAIR SO₂ unit.

Nitrogen oxides ozone season emissions requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NO_x Ozone Season allowances available for compliance deductions for the control period under §97.354(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_x Ozone Season units at the source, as determined in accordance with subpart HHHH of 40 CFR part 97.

(2) A CAIR NO_x Ozone Season unit shall be subject to the requirements under paragraph (c)(1) of §97.306 for the control period starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under §97.370(b)(1), (2), (3) or (7) and for each control period thereafter.

(3) A CAIR NO_x Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of §97.306, for a control period in a calendar year before the year for which the CAIR NO_x Ozone Season allowance was allocated.

(4) CAIR NO_x Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NO_x Ozone Season Allowance Tracking System accounts in accordance with subparts EEEE, FFFF, GGGG, and IIII of 40 CFR part 97.

(5) A CAIR NO_x allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO_x Ozone Season Trading Program. No provision of the CAIR NO_x Ozone Season Trading Program, the CAIR permit application, the CAIR permit, or an exemption under §97.305 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(6) A CAIR NO_x allowance does not constitute a property right.

(7) Upon recordation by the Administrator under subpart EEEE, FFFF, GGGG, or IIII of 40 CFR part 97, every allocation, transfer, or deduction of a CAIR NO_x Ozone Season allowance to or from a CAIR NO_x Ozone Season source's compliance account is incorporated automatically in any CAIR permit of the source.

STEP 3,
continued(d) Excess emissions requirements.

If a CAIR NO_x source emits nitrogen oxides during any control period in excess of the CAIR NO_x emissions limitation, then:

- (1) The owners and operators of the source and each CAIR NO_x unit at the source shall surrender the CAIR NO_x allowances required for deduction under §97.154(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and
- (2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart, the Clean Air Act, and applicable State law.

If a CAIR SO₂ source emits sulfur dioxide during any control period in excess of the CAIR SO₂ emissions limitation, then:

- (1) The owners and operators of the source and each CAIR SO₂ unit at the source shall surrender the CAIR SO₂ allowances required for deduction under §97.254(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and
- (2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart, the Clean Air Act, and applicable State law.

If a CAIR NO_x Ozone Season source emits nitrogen oxides during any control period in excess of the CAIR NO_x Ozone Season emissions limitation, then:

- (1) The owners and operators of the source and each CAIR NO_x Ozone Season unit at the source shall surrender the CAIR NO_x Ozone Season allowances required for deduction under §97.354(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and
- (2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart, the Clean Air Act, and applicable State law.

(e) Recordkeeping and Reporting Requirements.

(1) Unless otherwise provided, the owners and operators of the CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x Ozone Season source (as applicable) and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x Ozone Season unit (as applicable) at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the Administrator.

- (i) The certificate of representation under §97.113, §97.213, and §97.313 (as applicable) for the CAIR designated representative for the source and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x Ozone Season unit (as applicable) at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under §97.113, §97.213, and §97.313 (as applicable) changing the CAIR designated representative.
 - (ii) All emissions monitoring information, in accordance with subparts HH, HHH, and HHHH (as applicable) of 40 CFR part 97, provided that to the extent that subparts HH, HHH, and HHHH (as applicable) of 40 CFR part 97 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_x Annual Trading Program, CAIR SO₂ Trading Program, and CAIR NO_x Ozone Season Trading Program (as applicable).
 - (iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NO_x Annual Trading Program, CAIR SO₂ Trading Program, and CAIR NO_x Ozone Season Trading Program (as applicable) or to demonstrate compliance with the requirements of the CAIR NO_x Annual Trading Program, CAIR SO₂ Trading Program, and CAIR NO_x Ozone Season Trading Program (as applicable).
- (2) The CAIR designated representative of a CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x Ozone Season source (as applicable) and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x Ozone Season unit (as applicable) at the source shall submit the reports required under the CAIR NO_x Annual Trading Program, CAIR SO₂ Trading Program, and CAIR NO_x Ozone Season Trading Program (as applicable) including those under subparts HH, HHH, and HHHH (as applicable) of 40 CFR part 97.

(f) Liability.

- (1) Each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x Ozone Season source (as applicable) and each NO_x unit, CAIR SO₂ unit, and CAIR NO_x Ozone Season unit (as applicable) shall meet the requirements of the CAIR NO_x Annual Trading Program, CAIR SO₂ Trading Program, and CAIR NO_x Ozone Season Trading Program (as applicable).
- (2) Any provision of the CAIR NO_x Annual Trading Program, CAIR SO₂ Trading Program, and CAIR NO_x Ozone Season Trading Program (as applicable) that applies to a CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x Ozone Season source (as applicable) or the CAIR designated representative of a CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x Ozone Season source (as applicable) shall also apply to the owners and operators of such source and of the CAIR NO_x units, CAIR SO₂ units, and CAIR NO_x Ozone Season units (as applicable) at the source.
- (3) Any provision of the CAIR NO_x Annual Trading Program, CAIR SO₂ Trading Program, and CAIR NO_x Ozone Season Trading Program (as applicable) that applies to a CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x Ozone Season unit (as applicable) or the CAIR designated representative of a CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x Ozone Season unit (as applicable) shall also apply to the owners and operators of such unit.

Plant Name (from Step 1) Newark Energy Center

STEP 3,
continued

(g) Effect on Other Authorities.

No provision of the CAIR NO_x Annual Trading Program, CAIR SO₂ Trading Program, and CAIR NO_x Ozone Season Trading Program (as applicable), a CAIR permit application, a CAIR permit, or an exemption under § 97.105, §97.205, and §97.305 (as applicable) shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x Ozone Season source (as applicable) or CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x Ozone Season unit (as applicable) from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

Certification

I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name	D.S. WAUSH <i>D.S. Waush</i>	
Signature	PROJECT DIRECTOR	Date 9/11/2012



State of New Jersey

CHRIS CHRISTIE
Governor

DEPARTMENT of ENVIRONMENTAL PROTECTION

BOB MARTIN
Commissioner

KIM GUADAGNO
Lt. Governor

Division of Air Quality
Bureau of Air Permits
401 E. State Street, 2nd floor, P.O. Box 420, Mail Code 401-02
Trenton, NJ 08625-0420

Appendix II

PHASE II ACID RAIN PERMIT

Issued to: Newark Energy Center
Doremus Avenue and Delancy Street,
Newark, Essex County, New Jersey, 07105

Owned by: Hess NEC, LLC
921-981 Delancy Street
Newark, New Jersey, 07105

Operated by: Hess NEC, LLC
921-981 Delancy Street
Newark, New Jersey, 07105

ORIS Code: 58079

Effective: TBD (Coincide with the Operating Permit Date)

This Acid Rain Permit is issued under the authority of Chapter 106, P.L.1967 (N.J.S.A. 26:2C-9.2) and Titles IV and V of the Clean Air Act. The owners and operators of each affected unit at this facility shall comply with all of the requirements established in this permit.

Approved by:

Yogesh Doshi
Bureau of Air Permits
Air Quality Permitting Element

ACID RAIN PERMIT CONTENTS

- 1) STATEMENT OF BASIS
- 2) UNIT SPECIFIC REQUIREMENTS
- 3) COMMENTS, NOTES, AND JUSTIFICATIONS REGARDING PERMIT DECISIONS
- 4) PHASE II PERMIT APPLICATION

DRAFT

1) Statement of Basis

In accordance with N.J.S.A. 26:2C-9.2 and Titles IV and V of the Clean Air Act, the Department issues this permit pursuant to N.J.A.C. 7:27 et seq.

2) Unit Specific Requirements

Refer to 40 CFR 72 for specific requirements.

3) Comments, Notes, And Justifications Regarding Permit Decisions

This facility is subject to the Operating Permit regulations promulgated at N.J.A.C. 7:27-22. Therefore, the facility must obtain an Operating Permit. The Department is currently reviewing the Operating Permit application filed by the applicant, and expects to issue a permit decision on their application in the near future. The procedures for incorporating this Acid Rain permit into the Operating Permit shall be consistent with the state requirements at N.J.A.C. 7:27-22.29, the federal requirements at 40 CFR 72, and any official guidance issued by USEPA.

4) Phase II Permit Application

The owners and operators shall comply with all of the standard requirements and special provisions set forth on the attached Phase II Permit Application for each affected unit.

DRAFT



Acid Rain Permit Application

For more information, see instructions and 40 CFR 72.30 and 72.31.

This submission is: new revised for Acid Rain permit renewal

STEP 1

Identify the facility name, State, and plant (ORIS) code.

Hess Newark Energy Center Facility (Source) Name	New Jersey State	pending Plant Code
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STEP 2

Enter the unit ID# for every affected unit at the affected source in column "a."

a	b
Unit ID#	Unit Will Hold Allowances in Accordance with 40 CFR 72.9(c)(1)
U001	Yes
U002	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes

Permit Requirements

STEP 3

Read the standard requirements.

- (1) The designated representative of each affected source and each affected unit at the source shall:
 - (i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and
 - (ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;
- (2) The owners and operators of each affected source and each affected unit at the source shall:
 - (i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and
 - (ii) Have an Acid Rain Permit.

Monitoring Requirements

- (1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the source or unit, as appropriate, with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

- (1) The owners and operators of each source and each affected unit at the source shall:
 - (i) Hold allowances, as of the allowance transfer deadline, in the source's compliance account (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the affected units at the source; and
 - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
 - (i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or
 - (ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).

Sulfur Dioxide Requirements, Cont'd.

STEP 3, Cont'd.

- (4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- (5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements

The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements

- (1) The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
- (2) The owners and operators of an affected source that has excess emissions in any calendar year shall:
- (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
 - (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements

- (1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:
- (i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;

Recordkeeping and Reporting Requirements, Cont'd.

STEP 3, Cont'd.

- (ii) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
 - (iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
- (2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability

- (1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
- (2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
- (3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- (4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.
- (5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.
- (6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit.
- (7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:

- (1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating

Hess Newark Energy Center
Facility (Source) Name (from STEP 1)

Effect on Other Authorities, Cont'd.


STEP 3, Cont'd.

- to applicable National Ambient Air Quality Standards or State Implementation Plans;
- (2) Limiting the number of allowances a source can hold; *provided*, that the number of allowances held by the source shall not affect the source's obligation to comply with any other provisions of the Act;
 - (3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;
 - (4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
 - (5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

Certification

STEP 4
Read the certification statement, sign, and date.

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name	Peter Haid	
Signature		Date
		06/13/12



Instructions for the Acid Rain Program Permit Application

The Acid Rain Program requires the designated representative to submit an Acid Rain permit application for each source with an affected unit. A complete Certificate of Representation must be received by EPA before the permit application is submitted to the title V permitting authority. A complete Acid Rain permit application, once submitted, is binding on the owners and operators of the affected source and is enforceable in the absence of a permit until the title V permitting authority either issues a permit to the source or disapproves the application.

Please type or print. If assistance is needed, contact the title V permitting authority.

STEP 1 A Plant Code is a 4 or 5 digit number assigned by the Department of Energy's (DOE) Energy Information Administration (EIA) to facilities that generate electricity. For older facilities, "Plant Code" is synonymous with "ORISPL" and "Facility" codes. If the facility generates electricity but no Plant Code has been assigned, or if there is uncertainty regarding what the Plant Code is, send an email to the EIA. The email address is EIA-860@eia.gov.

STEP 2 In column "a," identify each unit at the facility by providing the appropriate unit identification number, consistent with the identifiers used in the Certificate of Representation and with submissions made to DOE and/or EIA. Do not list duct burners. For new units without identification numbers, owners and operators must assign identifiers consistent with EIA and DOE requirements. Each Acid Rain Program submission that includes the unit identification number(s) (e.g., Acid Rain permit applications, monitoring plans, quarterly reports, etc.) should reference those unit identification numbers in exactly the same way that they are referenced on the Certificate of Representation.

Submission Deadlines

For new units, an initial Acid Rain permit application must be submitted to the title V permitting authority 24 months before the date the unit commences operation. Acid Rain permit renewal applications must be submitted at least 6 months in advance of the expiration of the acid rain portion of a title V permit, or such longer time as provided for under the title V permitting authority's operating permits regulation.

Submission Instructions

Submit this form to the appropriate title V permitting authority. If you have questions regarding this form, contact your local, State, or EPA Regional Acid Rain contact, or call EPA's Acid Rain Hotline at (202) 343-9620.

Paperwork Burden Estimate

The public reporting and record keeping burden for this collection of information is estimated to average 8 hours per response. Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW., Washington, D.C. 20460. Include the OMB control number in any correspondence. **Do not send the completed form to this address.**