

Title V Application

Current Status: Technical Reivew

App ID: 40134

Date Submitted: 03/20/2015

Today is Jul 21, 2015

A. GENERAL INFORMATION

Construction or Modification Date	03/21/2016
Project Description	Per Part 6.2.11 of the Title V Permit No. 4952-121-0036-V-03-0 for Utoy Creek Water Reclamation Center (WRC) dated May 7, 2013, by March 21, 2015, the Permittee shall submit to the Division for approval a Title V permit amendment application that includes a detailed plan on how the multiple hearth incinerators with ID Nos. INC1 and INC2 will comply with all the applicable provisions of Georgia Rules for Air Quality Control 391-3-1-.02(2) (www). [391-3-1-.02(6)(b)1]

A.1. APPLICATION INFORMATION

Application Processing	Standard
Application Reason	Modification
Application Type	Minor Modification without Construction
A Summary of all the Modifications being made	Reapplication per the requirements of Section 6.2.11 of the current permit to address compliance with Georgia Rules for Air Quality Control 391-3-1-.02(2)(www).
A Summary of Name or Ownership Change	
Application Submitted for	
Describe facility at a Part 70 site covered by the application	
List out other facilities included in a Part 70 site	

A.2. FACILITY INFORMATION

Facility	ATLANTA UTOY CREEK WPCP
Original ID	110015373068, 12100036
Mailing Address 1	72 Marietta St, NW
Mailing Address 2	N/A
County	Fulton
City	Atlanta
State	GA
Zip	30303
Latitude	33.745241
Longitude	-84.553653
Does your facility have less than 100 employees?	No
SIC Code	4952 (Sewerage systems)
NAICS Code	221320 (Sewage Treatment Facilities)

Facility Description

The Utoy Creek WRC receives and treats wastewater using primary, secondary, and tertiary processes. The treated wastewater, also known as reclaimed water, which is pumped back to the Chattahoochee River. The remaining solids, in the form of sludge, are thickened and dewatered via centrifuges and then burned in one multiple hearth incinerator (INC2). Incinerator INC1 has not operated since at least 2003. If sufficient incinerator capacity is unavailable, due to incinerator malfunction or other reasons, the facility is able to dispose of the sludge by shipping it to landfills. Primary air emissions sources at the facility include the one multiple hearth sludge incinerator, three boilers, and a sewage treatment plant. The multiple hearth incinerator has a maximum charging rate of 2 wet tons per hour. The maximum annual sludge throughput is approximately 241.2 tons per year. Each incinerator is designed to fire natural gas as the auxiliary fuels. Particulate matter, sulfur dioxide, and mercury emissions from the incinerator are controlled by a Venturi scrubber.

FacSignifProcess

ProcessName: Municipal Sewage Sludge Generation

Description: The Utoy Creek WRC receives and treats wastewater using primary, secondary, and tertiary processes. The treated wastewater, also known as reclaimed water, which is pumped back to the Chattahoochee River. The remaining solids, in the form of sludge, are thickened and dewatered via centrifuges and then burned in one multiple hearth incinerator (INC2). Incinerator INC1 has not operated since at least 2003. If sufficient incinerator capacity is unavailable, due to incinerator malfunction or other reasons, the facility is able to dispose of the sludge by shipping it to landfills. Primary air emissions sources at the facility include the one multiple hearth sludge incinerator, three boilers, and a sewage treatment plant. The multiple hearth incinerator has a maximum charging rate of 2 wet tons per hour. The maximum annual sludge throughput is approximately 241.2 tons per year. Each incinerator is designed to fire natural gas as the auxiliary fuels. Particulate matter, sulfur dioxide, and mercury emissions from the incinerator are controlled by a Venturi scrubber.

FacCAPEmissions

PollutantID: PM-PRI
PTE: 2.46
AllowableLimitRequested: No
AllowableLimit:
PastMax: 3.05
DateStart: 01/01/2007
DateEnd: 01/01/2012
FutureMax:

PollutantID: CO
PTE: 508
AllowableLimitRequested: No
AllowableLimit:
PastMax:
DateStart:
DateEnd:
FutureMax:

PollutantID: PM

PTE: 13.4
AllowableLimitRequested: No
AllowableLimit:
PastMax: 3.05
DateStart: 01/01/2007
DateEnd: 01/01/2012
FutureMax:

PollutantID: NOX
PTE: 139
AllowableLimitRequested: No
AllowableLimit:
PastMax: 33.69
DateStart: 01/01/2007
DateEnd: 01/01/2012
FutureMax:

PollutantID: SO2
PTE: 3.11
AllowableLimitRequested: No
AllowableLimit:
PastMax: 0.87
DateStart: 01/01/2007
DateEnd: 01/01/2012
FutureMax:

PollutantID: TOTAL-HAP
PTE: 1.87
AllowableLimitRequested: No
AllowableLimit:
PastMax: 1.0
DateStart: 01/01/2007
DateEnd: 01/01/2012
FutureMax:

PollutantID: TRS
PTE: 100
AllowableLimitRequested: No
AllowableLimit:
PastMax:
DateStart:
DateEnd:
FutureMax:

PollutantID: VOC
PTE: 11.8
AllowableLimitRequested: No
AllowableLimit:
PastMax: 7.72

DateStart:	01/01/2007
DateEnd:	01/01/2012
FutureMax:	

PollutantID:	7439921
PTE:	0.345
AllowableLimitRequested:	No
AllowableLimit:	
PastMax:	
DateStart:	
DateEnd:	
FutureMax:	

FacCAPOther

PollutantID:	
PTE:	
AllowableLimitRequested:	
AllowableLimit:	
PastMax:	
DateStart:	
DateEnd:	
FutureMax:	

A.2.3 Facility Wide HAP Emissions

Total Facility Wide HAP PTE(tpy)	10
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A.3. Title VI Level

Does our facility have any air conditioners or refrigeration equipment that uses CFC's, HFC's or other stratospheric ozone-depleting substances listed in 40 CFR Part 82, Subpart A, Appendices A and B?	true
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Does any air conditioner or any piece of refrigeration equipment contain a refrigerant charge of greater than 50 lbs?	false
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Do your facility personnel maintain, services, repair, or dispose of any motor vehicle air conditioners (MVAC's) or appliances?	false
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Title VI Comment

FacHAPemissions

* [Group 1]

PollutantName:	Arsenic & Compounds (Inorganic Including Arsine)
PollutantID:	577
PollutantCd:	93
SubDescription:	Arsenic & Compounds (Inorganic Including Arsine)
SubstanceChemName:	HAP
CasNumber:	
PTE:	10
AllowableLimitRequested:	No

AllowableLimit:

* [Group 2]

PollutantName: Cadmium & Compounds
PollutantID: 124
PollutantCd: 125
SubDescription: Cadmium & Compounds
SubstanceChemName: HAP
CasNumber:
PTE: 10
AllowableLimitRequested: No
AllowableLimit:

* [Group 3]

PollutantName: Formaldehyde
PollutantID: 335
PollutantCd: 50000
SubDescription: Formaldehyde
SubstanceChemName: HAP
CasNumber:
PTE: 10
AllowableLimitRequested: No
AllowableLimit:

* [Group 4]

PollutantName: Hexane
PollutantID: 71
PollutantCd: 110543
SubDescription: Hexane
SubstanceChemName: HAP
CasNumber:
PTE: 10
AllowableLimitRequested: No
AllowableLimit:

* [Group 5]

PollutantName: Lead & Compounds
PollutantID: 244
PollutantCd: 195
SubDescription: Lead & Compounds
SubstanceChemName: HAP
CasNumber:
PTE: 10
AllowableLimitRequested: No
AllowableLimit:

* [Group 6]

PollutantName: Mercury
PollutantID: 447

PollutantCd: 7439976
SubDescription: Mercury
SubstanceChemName: HAP
CasNumber:
PTE: 10
AllowableLimitRequested: No
AllowableLimit:

* [Group 7]

PollutantName: Nickel
PollutantID: 448
PollutantCd: 7440020
SubDescription: Nickel
SubstanceChemName: HAP
CasNumber:
PTE: 10
AllowableLimitRequested: No
AllowableLimit:

* [Group 8]

PollutantName: Toluene
PollutantID: 63
PollutantCd: 108883
SubDescription: Toluene
SubstanceChemName: HAP
CasNumber:
PTE: 10
AllowableLimitRequested: No
AllowableLimit:

* [Group 9]

PollutantName: Chromium
PollutantID: 454
PollutantCd: 7440473
SubDescription: Chromium
SubstanceChemName: HAP
CasNumber:
PTE: 10
AllowableLimitRequested: No
AllowableLimit:

* [Group 10]

PollutantName: Cadmium
PollutantID: 453
PollutantCd: 7440439
SubDescription: Cadmium
SubstanceChemName: HAP
CasNumber:
PTE: 10

AllowableLimitRequested:

No

AllowableLimit:

FacilityRule

* [Group 1]

RuleID: 95
RefType: NESHAP(Part 61)
RefCode: A
Description: General Provisions

* [Group 2]

RuleID: 147
RefType: NESHAP(Part 61)
RefCode: E
Description: National Emission Standard for Mercury

* [Group 3]

RuleID: 249
RefType: NSPS(Part 60)
RefCode: O
Description: Standards of Performance for Sewage Treatment Plants

* [Group 4]

RuleID: 96
RefType: NSPS(Part 60)
RefCode: A
Description: General Provisions

* [Group 5]

RuleID: 9
RefType: SIP
RefCode: .02(2)(c)
Description: Incinerators

* [Group 6]

RuleID: 20
RefType: SIP
RefCode: .02(2)(g)
Description: Sulfur Dioxide

* [Group 7]

RuleID: 67
RefType: SIP
RefCode: .02(2)(yy)
Description: Emissions of Nitrogen Oxides from Major Sources

* [Group 8]

RuleID: 64
RefType: SIP
RefCode: .02(2)(www)

Description:

Sewage Sludge Incineration Units Constructed On or Before October 14, 2010

* [Group 9]

RuleID:

12

RefType:

SIP

RefCode:

.02(2)(d)

Description:

Fuel-burning Equipment