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ENVIRONMENTAL FIELD OFFICE COLUMBIA

STATE OF TENNESSEE DEPARTMENT OF HEALTH ENVIRONMENTAL LABORATORIES

TDH: Lab Services JRL Lab Services - Jackson Regional Lab Jackson, TN 38301 731-426-0686

TDH: Lab Services KRL Lab Services - Knoxville Regional Lab Knoxville, TN 37920 865-549-5201

TDH: Lab Services NCL Lab Services - Nashville Central Lab Nashville, TN 37243 615-262-6300

Sent To:

Ryan Owens

TDEC-WPC

Columbia Field Office 2484 Park Plus Drive Columbia, TN 38401

N00004136 Lab ID: Nashville Central Laboratory

Sampling Agency: TDEC: Division of Water Pollution Control

Billing Code:

327.34-20

This is to certify that the following results were determined using good laboratory pratices and in accordance with federal or state approved methodologies.

Analytical Supervisor

Lab-Sample Number:

N00004136001

Project Name:

Sample Description:

WAYNESBORO STP OUTFALL TO GREEN RI Chlorine, residual:

Sampler Project Name: WAYNESBORO STP

Project Site No.:

Station No.:

Date/Time Collected:

02/10/2009 12:05

Sampler's Name:

RYAN OWENS

County: Sample Matrix: WAYNE - 91

EFO:

Water Columbia

Sampling Agency: **Billing Code:**

TDEC-WPC 327.34-20 TDEC-WPC

Send Report To: Agency Invoiced:

TDEC-WPC

Priority Date:

Date/Time Received:

02/10/2009

15:05

Received By:

P D Wilson

Field Determinations

pH:

Conductivity: Temperature:

Dissolved Oxygen:

Other:

Flow:

CFS

TEST: Escherichia Coli	ME	THOD:		
ANALYTE	RESULT	UNITS	ANALYZED BY:	DATE
Method Citation	SM 9223B		C Davis	2/10/2009
E. Coli Result	< 1.0	CFU/100ml	C Davis	2/10/2009

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Inorganic Analysis

	į			
9. Remarks				Dissolved Oxygen
8. Date sample sealed	-		Other	Conductivity
7. Sample sealed by			Chlorine, residual	pH
			Temperature	FIELD DETERMINATIONS
		-	Water	denotes analyses periormed only on water
6. Mode of transportation to lab			Introduction of Section	* CHIC, CII
	silver Ad		nitrogen total organic	Tino Zo
proper when or the complete.	selenium Se		n#rogen total Kieldahl	lileicuty, mg
preservation of this sample	ď		Till Oger, Indice	icau, ro
5 Field collection procedure, handling and/or	I		nitrogen nitrite*	copper, ou
	iead Dh		nitrogen nitrote*	Copper Cit
		Other		chromium Cr
this point	n, Cd		MBAS*	cadmium. Cd
 Number of other samples collected at same time at 	barium, Ba	other microscopic	hydrocarbons, total	arsenic, As
	arsenic, As	bulk asbestos	hardness, total as CaCO ₃ *	residue, suspended*
3. Others present at collection	* TCLP	* Asbestos	hardness, Ca as CaCO ₃ *	residue, dissolved*
2. Nearest town or city		percent solids	fluoride*	Hq
		turbidity*	flash point*	phosphate, total
		TOC*	cyanide	nitrogen, total Kjeldahl
1. Approximate volume of sample		sulfide, total*	conductivity*	nitrogen, NO ₃ & NO ₂
Additional Information	zinc, Zn	sulfate*	color, true*	nitrogen, ammonia
	vanadium, V	silica*	color, apparent*	hardness, total as CaCO ₃ *
Time	thallium, TI	residue, total*	COD*	conductivity*
Logged in by Pamela Wilson	sodium, Na	residue, suspended*	chromium, hexavalent	coliform, fecal
_	silver, Ag	∑ residue, settleable*	chlorine, residual*	COD*
4. Received in Lab by Pamela lailson	selenium, Se	residue, dissolved*	chloride*	* Ambient Parameters
Date Time	potassium, K	phosphate, total	boron	*******
Delivered to	nickel, Ni	phenols, total	CBOD, 5-day*	فدست
Date Time	mercury, Hg	PH	BOD, 5-day*	X E. Coli*
3. Received by	manganese, Mn	oxygen, dissolved*	alkalinity, phen. as CaCO ₃ *	strep, fecal*
Date 2:10:69 Time 1505	magnesium, Mg	orthophosphate, total*	alkalinity as CaCO ₃ *	coliform, total*
Delivered to しょり	lead, Pb	oil and grease	acidity as CaCO ₃ *	coliform, fecal*
Date) -10 - 0 9	iron, Fe	Gen. Inorganics (con't)	General Inorganics	* Env. Microbiology
2. Received by Andy About washing	copper, Cu			CONTACT HAZARD
Date 3 - 10 - 09 \ Time 1358	cobalt, Co			
Delivered to Andy Abourna Hung	chromium, Cr		. g Mの <i>のフ</i> ニケー	SEND REPORT TO: 12 1/2
Date 2-10-09 Time 12-05	calcium, Ca		A (P	IF PRIORITY, DATE NEEDED: 🙏 🤇
1. Collected by 1 (My My () WHY S		obe ミシア, てリーンの	ຼ∏∭.ໄ⊹⊲//¦∭s∥⊔⊔NG:cob∈	SAMPLING AGENCY V. L. V. J. L.
set or point (if all collected at the same time)	beryllium, Be		~ 0.00	SAMPLER'S NAME(printed)
Only one chain of custody form is required per sample	Ba	1305	C) TIME	COLLECTED: DATE :: 3 - 1 () - ()
Chain of Custody and Supplemental Information	arsenic, As	MATRIX ()) (L.J.)	DEPTH ≶ु√ि _ट ंट्र ा	STREAM MILE (PO) () (-(L.))
Branch Lab Number	antimony, Sb		818 9 4 W 31 1 0 1 1 5	DESCRIPTION (人) *イハ(くしっ~っ
Laboratory Number Nocoo 4 136-001	n, Al	W)	N MY //\ ALNDOS	STATION NUMBER
	Metals		PROJECT NAME ()	PROJECT/SITE NO.
				الباري فاستطاق فلالأرب في منافع والمستميد ومورد والمواجعة والقراف مريف فالمورود بورد مرافع فلتتراث



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Columbia Field Office 2484 Park Plus Drive Columbia, TN 38401 Lab ID: N00004136 Nashville Central Laboratory

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N00004136001

Project Name:

Sample Description:

WAYNESBORO STP OUTFALL TO GREEN RI Chlorine, residual:

Sampler Project Name: WAYNESBORO STP

Project Site No.:

Station No.:

Date/Time Collected:

02/10/2009

Sampler's Name:

RYAN OWENS

County: Sample Matrix: WAYNE - 91

EFO:

Water Columbia

Sampling Agency:

TDEC-WPC

Billing Code: Send Report To: Agency Invoiced: 327.34-20 TDEC-WPC TDEC-WPC

Priority Date:

Date/Time Received:

02/10/2009

15:05

12:05

Received By:

P D Wilson

Field Determinations

pH:

Conductivity: Temperature:

Dissolved Oxygen:

Other:

Flow:

CFS

TEST: Ammonia	ME	THOD: EPA 35	0.1			
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Ammonia	0.057J	mg/L	0.028	0.10	M Chen	2/11/2009

TEST: Nitrate by IC		ME	THOD: EPA 30	0.0			
ANALYTE	1.	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Nitrate by IC		6.4	mg/L	0.1440	1.000	P Leathers	. 2/11/2009

TEST: Nitrite by IC	MET	THOD: EPA 30	0.0			•
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Nitrite by IC	0.019J	mg/L	0.0051	0.050	P Leathers	2/11/2009

TEST: Residue, Settleable	MET	HOD: SM 254	0F			
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Settleable Residue	<0.1	ml/L	0.10	0.10	P Leathers	2/11/2009

TEST: Total Kjeldahl Nitrogen	ME:	THOD: EPA 351	.2			
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
TKN	0.78	mg/L	0.14	0.50	L Satterwhite	2/12/2009

J - Estimated value between MDL and MQL

MDL - Method Detection Limit

MQL - Method Quantitation Limit

U - Undetected

State of Telangusee - Environmental Laboratories
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Inor

Inorganic Analysis

9. Remarks				Dissolved Oxygen
Date sample sealed			Other	Conductivity
7. Sample sealed by			Chlorine, residual	рH
			Temperature	FIELD DETERMINATIONS
o. Hive of regulation to the		·.	n Water	~ denotes analyses performed only on water
6 Mode of transportation to lah	Isilver, Ag		nitrogen, total organic	zinc, Zn
	selenium, Se		X nitrogen, total Kjeldahl	
preservation of this sample	nickel, Ni		nitrogen, NO ₃ & NO ₂	mercury, Hg
5. Field collection procedure, handling and/or	mercury, Hg		nitrogen, nitrite*	lead, Pb
	lead, Pb		nitrogen, nitrate*	copper, Cu
	chromium, Cr	* Other	X nitrogen, ammonia	chromium, Cr
this point	cadmium, Cd		MBAS*	cadmium, Cd
4. Number of other samples collected at same time at	barium, Ba	other microscopic	hydrocarbons, total	arsenic, As
	arsenic, As	bulk asbestos	hardness, total as CaCO ₃ *	residue, suspended*
3. Others present at collection	* TCLP	* Asbestos	hardness, Ca as CaCO ₃ *	residue, dissolved*
2. Nearest town or city		percent solids	fluoride*	Hq
		turbidity*	flash point*	phosphate, total
		TOC*	cyanide	nitrogen, total Kjeldahl
1. Approximate volume of sample		sulfide, total*	conductivity*	nitrogen, NO ₃ & NO ₂
Additional Information	zinc, Zn	sulfate*	color, true*	nitrogen, ammonia
	vanadium, V	silica*	color, apparent*	hardness, total as CaCO ₃ *
l ≓	thallium, TI	residue, total*	COD*	conductivity*
ela Inlins	sodium, Na	residue, suspended*	chromium, hexavalent	coliform, fecal
ime !	silver, Ag	X residue, settleable*	chlorine, residual*	COD*
4. Received in Lab by Pamela, Wilson	selenium, Se	residue, dissolved*	chloride*	* Ambient Parameters
Date Time	potassium, K	phosphate, total	boron	
Delivered to		phenols, total	CBOD, 5-day*	Enterococcus*
Date Time	mercury, Hg	Hq		X E. Coli*
•	manganese, Mn	oxygen, dissolved*	alkalinity, phen. as CaCO ₃ *	strep, fecal*
Date 2.10.09 Time 1505	magnesium, Mg	orthophosphate, total*	alkalinity as CaCO ₃ *	coliform, total*
ato Leb	lead, Pb	oil and grease	acidity as CaCO ₃ *	coliform, fecal*
Date 2 - 10 - 09 'Time 13581	iron, Fe	Gen. Inorganics (con't)	General inorganics	* Env. Microbiology *
ved by Briding A	copper, Cu			CONTACT HAZARD
Date 2 - [(1 - 09 \ Time 358)	cobalt, Co			
In About		->-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SEND REPORT TO: 12, 2007
† ,	calcium, Ca	X		IF PRIORITY, DATE NEEDED />
1. Collected by (ya jam () yaran S	cadmium, Cd	obe 3>7.マリーシロ	> > \udot\ o~\\/ / i\u\\ & BILLING CODE	SAMPLING AGENCY W. L. L.
set or point (if all collected at the same time)	beryllium, Be		$\omega \sim 0$ when ς	SAMPLER'S NAME(printed) ∵ 🦙
Only one chain of custody form is required per sample	barium, Ba	1205	າຊ TIME	COLLECTED: DATE 3-(6)-0
Chain of Custody and Supplemental Information	arsenic, As	MATRIX I)) (()	SUVERCE	STREAM MILE (2 (2) 1) LL 11 1
Branch Lab Number	antimony, Sb	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	3 of 1127+00 dIS	DESCRIPTION (), , , , W () , o o
Laboratory Number Nooco 4136-00	aluminum, Al		W WY (/) ALNOO	STATION NUMBER
-	* Metals	Wardhard STP	PROJECT NAME	PROJECT/SITE NO.

Laboratory Sample C vol Log and Manifest

120000	N00004136-001 ABERNATHY	ANDY			Person Delivering Sample		
	EFO	COLUMBIA	TDEC WPC-		Agency Submitting Sample		
	2/10/09				Date Sample Collected		
	WILSON	PAMEIA			Agency Submitting Sample Date Sample Collected Person Receiving Sample Date Sample Received Received in		
	2/10/09				Date Sample Received		
	15:05				Received in	i mac Samunic	
	COOLER		STATE		Transported to	How Sample	
			UNSEALED/	SAMPLE	Unscaled, Broken.ete	Sample Cooler(Sealed.	< ondition of

						and Quantity	Sample Description			
	-					Transferring Sample	,			
						Transferred To	Name of Lab Sample			
		ACCUPATION OF THE PARTY OF THE				Transferring Sample	Name of Courier			
					The state of the s	Relinquished to Courier	Date Time Samples			
أدرونيون						ds.1	Receiving Sample in	Name of Person		
						Received in Lab	z	Date/Time		Processing of the Assessment of the Assessment
			OCCUPATION OF THE PROPERTY OF			cle.)	Unsealed, Broken,	Sample (Sealed.		
	•						Unsealed, Broken.	Cooler (Sealed.	Condition of	Description of the last of the

Within Laboratory Sample Manifest

						March, 2004	c Laboratory Sample Control Log March, 2004
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		·					
			2/1/09/01/200	M. Chen	Nux	2.11.09 @ 0930	2 Southwhiten
)	UIIIPICITE	Karten	Paritine	2111/09@739	
						2.10-9 1505	h. English
. Sample	Destroyed	Destroyed	Analysis	Analysis	Comments	Relinquished for Analysis	
Who Destroyed	Date Time Sample	How Sample	Returned from	Returning Sample from		Date Time Sample	Requesting Sample for
		·	Date Time Sample	Name of Person			Name of Person

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