

W Moore
8-17-09

Lab-Sample Number: N00004834001
Project Name:
Sample Description: NFS LITTLE MOUNTAIN AIR
Sampler Project Name: DRH MONTHLY SAMPLE RUN
Project Site No.: MDH2072
Station No.: A10
Date/Time Collected: 07/22/2009 08:50
Sampler's Name: MARK HAMMON
County: UNICOI - 86
Sample Matrix: Air Filter
EFO: Nashville CO
Sampling Agency: TDEC-DRH
Billing Code: 327.32-90
Send Report To: TDEC-DRH
Agency Invoiced: TDEC-DRH
Priority Date:
Date/Time Received: 07/22/2009 16:00
Received By: W Moore

TEST: Gross alpha-beta air filter		METHOD:				
ANALYTE	RESULT	UNITS	*ERROR	DL	ANALYZED BY:	DATE
Gross alpha	48	pCi/m ³ x 10 ⁻⁴	12	9	N Flatt	8/1/2009
Gross beta	586	pCi/m ³ x 10 ⁻⁴	35	12	N Flatt	8/1/2009

* Represents ± error value



**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: Mark Hammon
TDEC-DRH
3rd Floor, L & C Annex
401 Church Street
Nashville, TN 37243-0422

Lab ID: N00004828
Nashville Central Laboratory

Sampling TDEC: Division of Radiological Health

Billing Code: 327.32-90

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

Analytical Supervisor

Lab-Sample Number: N00004828002

Project Name: EWWTP

Sample Description: DRH MONTHLY SAMPLE RL

Sampler Project Name: MDH2071

Project Site No.: L02

Station No.: 07/09/2009 07:45

Date/Time Collected: WWTP STAFF

Sampler's Name: UNICOI - 86

County: Sludge

Sample Matrix: Nashville CO

EFO: TDEC-DRH

Sampling Agency: 327.32-90

Billing Code: TDEC-DRH

Send Report To: TDEC-DRH

Agency Invoiced: TDEC-DRH

Priority Date: 16:00

Date/Time Received: 07/22/2009

Received By: W Moore

TEST: Gamma sludge

ANALYTE

Bi-214

Ac-228

Tl-208

Pb-212

Pb-214

RESULT

44.4

68.0

10.7

25.5

49.6

METHOD:

UNITS

pCi/L

pCi/L

pCi/L

pCi/L

pCi/L

EPA 901.1

*ERROR

5.4

7.3

2.4

3.4

6.0

DL

12.6

19.1

5.5

9.2

13.4

ANALYZED BY:

W Moore

W Moore

W Moore

W Moore

W Moore

DATE

7/30/2009

7/30/2009

7/30/2009

7/30/2009

7/30/2009

* Represents ± error value



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Sent To: Mark Hammon
TDEC-DRH
3rd Floor, L & C Annex
401 Church Street
Nashville, TN 37243-0422

Lab ID: N00004829
Nashville Central Laboratory

Sampling TDEC: Division of Radiological Health

Billing Code: 327.32-90

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

Analytical Supervisor

Lab-Sample Number: N00004829001
Project Name: NOLICHUCKY RIVER DOWNSTREAM
Sample Description: DRH MONTHLY SAMPLE RL
Sampler Project Name: MDH2070
Project Site No.: W04
Station No.: 07/22/2009 08:00
Date/Time Collected: MARK HAMMON
Sampler's Name: UNICOI - 86
County: Water
Sample Matrix: Nashville CO
EFO: TDEC-DRH
Sampling Agency: 327.32-90
Billing Code: TDEC-DRH
Send Report To: TDEC-DRH
Agency Involved:
Priority Date:
Date/Time Received: 07/22/2009 16:00
Received By: W Moore

TEST:	Gross alpha-beta water (total)	METHOD:	SM 7110B	DL	ANALYZED BY:	DATE
ANALYTE		UNITS	*ERROR			
Gross alpha	-0.24	pCi/L	0.74	0.55	W Moore	8/6/2009
Gross beta	1.5	pCi/L	1.4	0.7	W Moore	8/6/2009

* Represents ± error value

Lab-Sample Number: N00004829002

Project Name:

Sample Description: NOLICHUCKY RVR AT GWW

Sampler Project Name: DRH MONTHLY SAMPLE RL

Project Site No.: MDH-

Station No.: W05

Date/Time Collected: 07/21/2009 11:30

Sampler's Name: MARK HAMMON

County: GREENE - 30

Sample Matrix: Water

EFO: Nashville CO

Sampling Agency: TDEC-DRH

Billing Code: 327.32-90

Send Report To: TDEC-DRH

Agency Invoiced: TDEC-DRH

Priority Date:

Date/Time Received: 07/22/2009 16:00

Received By: W Moore

TEST:	Gross alpha-beta water (total)	RESULT	METHOD:	SM 7110B	DL	ANALYZED BY:	DATE
ANALYTE		UNITS	*ERROR				
Gross alpha	-0.30	pCi/L	0.92	0.68	W Moore	8/7/2009	
Gross beta	0.7	pCi/L	1.4	0.8	W Moore	8/7/2009	

* Represents ± error value

* Represents ± error value

Lab-Sample Number: N00004829010
Project Name: NFS WWTP COMP
Sample Description: DRH MONTHLY SAMPLE RL
Sampler Project Name: MDH2065
Project Site No.: W33
Station No.: 07/01/2009 08:00
Date/Time Collected: MARK HAMMON
Sampler's Name: UNICOI - 86
County: Water
Sample Matrix: Nashville CO
EFO: TDEC-DRH
Sampling Agency: 327.32-90
Billing Code: TDEC-DRH
Send Report To:
Agency Invoiced:
Priority Date:
Date/Time Received: 07/22/2009 16:00
Received By: W Moore

TDEC-DRH

TEST:	METHOD:	SM 7110B	DL	ANALYZED BY:	DATE
Gross alpha-beta water (total)	UNITS	*ERROR			
ANALYTE					
Gross alpha	pCi/L	583	231	N Flatt	8/26/2009
Gross beta	pCi/L	87	37	N Flatt	8/26/2009

* Represents ± error value

Lab-Sample Number: N00004829011
Project Name: NFS SEWER DISCHARGE
Sample Description: DRH MONTHLY SAMPLE RL
Sampler Project Name: MDH2066
Project Site No.: w34
Station No.: 06/30/2009 09:10
Date/Time Collected: MARK HAMMON
Sampler's Name: UNICOI - 86
County: Water
Sample Matrix: Nashville CO
EFO: TDEC-DRH
Sampling Agency: 327.32-90
Billing Code: TDEC-DRH
Send Report To:
Agency Invoiced: TDEC-DRH
Priority Date:
Date/Time Received: 07/22/2009 16:00
Received By: W Moore

TEST:	Gross alpha-beta water (total)	RESULT	METHOD:	UNITS	*ERROR	DL	ANALYZED BY:	DATE
ANALYTE								
Gross alpha		12.0		pCi/L	7.2	3.1	W Moore	8/7/2009
Gross beta		5.2		pCi/L	4.1	1.7	W Moore	8/7/2009

* Represents ± error value

Lab-Sample Number: N00004829012
Project Name: NOLICHUCKY UP FROM NFS
Sample Description: DRH MONTHLY SAMPLE RL
Sampler Project Name: MDH2068
Project Site No.: W37
Station No.: 07/22/2009 07:10
Date/Time Collected: MARK HAMMON
Sampler's Name: UNICOI - 86
County: Water
Sample Matrix: Nashville CO
EFO: TDEC-DRH
Sampling Agency: 327.32-90
Billing Code: TDEC-DRH
Send Report To: TDEC-DRH
Agency Invoiced:
Priority Date: 16:00
Date/Time Received: 07/22/2009
Received By: W Moore

TEST:	Gross alpha-beta water (total)	RESULT	METHOD:	UNITS	*ERROR	DL	ANALYZED BY:	DATE
ANALYTE								
Gross alpha		-0.31		pCi/L	0.95	0.71	W Moore	8/8/2009
Gross beta		1.3		pCi/L	1.5	0.8	W Moore	8/8/2009

* Represents ± error value

Lab-Sample Number: N00004829013
Project Name: JONESBORO TAP @ WATER TREATMENT PLA
Sample Description: DRH MONTHLY SAMPLE RL
Sampler Project Name: MDH2064
Project Site No.: W38
Station No.: 07/21/2009 15:05
Date/Time Collected: MARK HAMMON
Sampler's Name: WASHINGTON - 90
County: Water
Sample Matrix: Nashville CO
EFO: TDEC-DRH
Sampling Agency: 327.32-90
Billing Code: TDEC-DRH
Send Report To:
Agency Invoiced: TDEC-DRH
Priority Date:
Date/Time Received: 07/22/2009 16:00
Received By: W Moore

TEST:	Gross alpha-beta water (total)	RESULT	METHOD:	SM 7110B	DL	ANALYZED BY:	DATE
ANALYTE		UNITS	*ERROR				
Gross alpha	0.8	pCi/L	1.1	0.6	W Moore	8/8/2009	
Gross beta	-0.5	pCi/L	1.2	0.7	W Moore	8/8/2009	

* Represents ± error value

* Represents ± error value

Lab-Sample Number: N00004829026
Project Name: NFS, ERWIN UTILITIES ROAD
Sample Description: DRH MONTHLY SAMPLE RL
Sampler Project Name: MDH2073
Project Site No.: W96
Station No.: 07/22/2009 08:35
Date/Time Collected: MARK HAMMON
Sampler's Name: UNICOI - 86
County: Water
Sample Matrix: Nashville CO
EFO: TDEC-DRH
Sampling Agency: 327.32-90
Billing Code: TDEC-DRH
Send Report To: TDEC-DRH
Agency Invoiced: TDEC-DRH
Priority Date: 16:00
Date/Time Received: 07/22/2009
Received By: W Moore

TEST:	Gross alpha-beta water (total)	METHOD:	SM 7110B	DL	ANALYZED BY:	DATE
ANALYTE	RESULT	UNITS	*ERROR			
Gross alpha	0.4	pCi/L	1.5	1.0	W Moore	8/9/2009
Gross beta	2.4	pCi/L	1.8	0.8	W Moore	8/9/2009

* Represents ± error value