



Arkansas Department of Health

4815 West Markham Street • Little Rock, Arkansas 72205-3867 • Telephone (501) 661-2000

Governor Mike Beebe

Paul K. Halverson, DrPH, FACHE, Director and State Health Officer

September 1, 2011

David Jurgens, Utilities Director
CH2M Hill & Fayetteville Waste Water Treatment Plants
City of Fayetteville
113 West Mountain
Fayetteville, Arkansas 72701

Dear Mr. Jurgens:

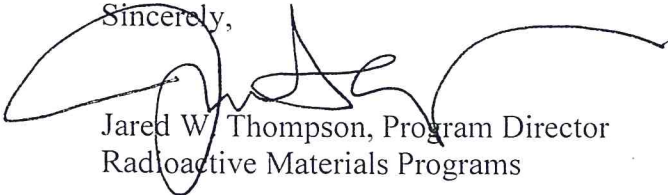
The Department has received and analyzed water samples submitted by the University of Arkansas for the SEFOR vaults. The samples were analyzed for concentrations of radioactive materials associated with the SEFOR site. The sample analyses are below the regulatory limit for disposal in a sanitary sewerage system as defined in RH-1402 a.4. of the Arkansas State Board of Health Rules and Regulations for Control of Sources of Ionizing Radiation. Therefore, this radioactive waste water may be released into your facility at your discretion.

Attached is a copy of the lab analyses report performed by the Arkansas Department of Health Radiochemistry Laboratory.

Nothing in this approval for release relieves the Fayetteville Waste Water Treatment Plants from complying with other Federal, state and local regulations governing the release of this radioactive waste water.

If you have any questions or need additional information, please contact me at 501-661-2173.

Sincerely,



Jared W. Thompson, Program Director
Radioactive Materials Programs

Attachments

cc: Debra Georgiou, Industrial Pretreatment Coordinator
Kyle Cook, University of Arkansas

**ARKANSAS DEPARTMENT OF HEALTH
PUBLIC HEALTH LABORATORIES**

201 South Monroe
LITTLE ROCK, AR 72205
PHONE: 501-661-2220

Report of Sample Analysis
Program:Radiation Control

Collection Report Number:00002748 NRC-11-02-99-SM

Date: 07/01/2011

Time: 14:50

Receipt Information

Date: July 15, 2011

Received By: GROWLETT

Time: 09:23

Submitted By: JERRY SNELLINGS

Site Information

Water System:

PWS#:

Sampling site: UA -SEFOR C4BOT002

District:

Location Site Code: UA- SEFOR

County:

Sample Description

Purpose: SUR

Source: Grab Water

Profile:Tritium

Type: RAW

Category: PUB

Sample Number: R111940006

Test: Tritium in Water or Urine

Result: 123000 +/- 900 pCi/L

LSA

07/13/2011 23:33

PRS

Report Date: 07/15/2011



ARKANSAS DEPARTMENT OF HEALTH
PUBLIC HEALTH LABORATORIES

201 South Monroe
LITTLE ROCK, AR 72205
PHONE: 501-661-2220

Report of Sample Analysis
Program: Radiation Control

Collection Report Number: 00002747 NRC-11-02-98-SM

Date: 07/01/2011

Time: 14:10

Receipt Information

Date: July 15, 2011

Received By: GROWLETT

Time: 09:23

Submitted By: JERRY SNELLINGS

Site Information

Water System:

PWS#:

Sampling site: UA- SEFOR C4BOT001

District:

Location Site Code: UA- SEFOR

County:

Sample Description

Purpose: SUR

Source: Grab Water

Profile: Tritium

Type: RAW

Category: PUB

Sample Number: R111940005

Test: Tritium in Water or Urine

Result: 176000 +/- 1070 pCi/L

LSA

07/13/2011 21:51

Report Date: 07/15/2011

07/15/2011



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Site Information

Water System:

PWS#:

Sampling site: UA -SEFOR C4BOT002

District:

Location Site Code: UA- SEFOR

County:

Sample Description

Purpose: SUR

Source: Grab Water

Profile: Tritium

Type: RAW

Category: PUB

Sample Number: R111940006

Test: Tritium in Water or Urine

Result: 123000 +/- 900 pCi/L

LSA

07/13/2011 23:33

Report Date: 07/15/2011

07/15/2011



ARKANSAS DEPARTMENT OF HEALTH
PUBLIC HEALTH LABORATORIES

201 South Monroe
LITTLE ROCK, AR 72205
PHONE: 501-661-2220

Report of Sample Analysis
Program: Radiation Control

Collection Report Number: 00002831 NRC-11-02-133-SM

Date: 09/20/2011

Time: 16:00

Receipt Information

Date: October 07, 2011

Received By: GROWLETT

Time: 10:10

Submitted By: ENERGY SOLUTIONS

Site Information

Water System:

PWS#:

Sampling site: ANO SEFOR FAYETTEVILLE

District:

Location Site Code: ANO SEFOR 11-4682-ELEC

County:

Sample Description

Purpose: SUR

Source: RAW WATER

Profile: Tritium

Type: RAW

Category: PUB

Sample Number: R112700002

Test: Tritium in Water or Urine

Result: 21400 +/- 400 pCi/L

LSA

10/08/2011 12:08

Report Date: 10/11/2011

10/11/2011



ARKANSAS DEPARTMENT OF HEALTH
PUBLIC HEALTH LABORATORIES

201 South Monroe
LITTLE ROCK, AR 72205
PHONE: 501-661-2220

Report of Sample Analysis
Program: Radiation Control

Collection Report Number: 00002837 NRC-11-02-134-TK

Date: 09/22/2011

Time: 12:00

Receipt Information

Date: October 07, 2011

Received By: GROWLETT

Time: 10:11

Submitted By: ENERGY SOLUTIONS

Site Information

Water System:

PWS#:

Sampling site: UA SEFOR FAYETTEVILLE

District:

Location Site Code: UA SEFOR 11-4715-PIPE

County:

Sample Description

Purpose: SUR

Source: RAW WATER

Profile: Tritium

Type: RAW

Category: PUB

Sample Number: R112710007

Test: Tritium in Water or Urine

Result: 6620 +/- 260 pCi/L

LSA

10/08/2011 13:50

Signature

Signature

Report Date: 10/11/2011

10/11/2011