

City of Fayetteville Staff Review Form

2017-0201

Legistar File ID

5/2/2017

City Council Meeting Date - Agenda Item Only
N/A for Non-Agenda Item

Tim Nyander

4/11/2017

Utilities Director /
Utilities Department

Submitted By

Submitted Date

Division / Department

Action Recommendation:

A RESOLUTION APPROVING AN AGREEMENT WITH THE UNIVERSITY OF ARKANSAS TO ALLOW THE ACCEPTANCE OF WASTEWATER FROM THE SEFOR FACILITY INTO THE FAYETTEVILLE SANITARY SEWER SYSTEM.

Budget Impact:

N/A

N/A

Account Number

Fund

N/A

N/A

Project Number

Project Title

Budgeted Item? NA

Current Budget \$ -

Funds Obligated \$ -

Current Balance \$ -

Does item have a cost? NA

Item Cost \$ -

Budget Adjustment Attached? NA

Budget Adjustment \$ -

Remaining Budget \$ -

V20140710

Previous Ordinance or Resolution #

Original Contract Number:

Approval Date:

Comments:

MEETING OF MAY 2, 2017

TO: Mayor and City Council

THRU: Don Marr, Chief of Staff
Water & Sewer Committee

FROM: Tim Nyander, Utilities Director

DATE: April 11, 2017

SUBJECT: Resolution Approving an Agreement with the University of Arkansas Regarding Acceptance of Wastewater from the SEFOR Facility

RECOMMENDATION:

City Administration recommends a Resolution approving an agreement with the University of Arkansas regarding acceptance of wastewater from the SEFOR facility.

BACKGROUND:

The University of Arkansas owns the facility known as the Southwest Experimental Fast Oxide Reactor (SEFOR) in Washington County. In 2011, City of Fayetteville accepted water that had accumulated in the basement rooms because of roof leaks during Phase 1, the Initial Site Preparations and Development of Decommissioning Plan. The University has replaced one of the roofs, but water has again accumulated in the basements. To move forward with Phase 2, Demolition of the Operations Support Building and the Reactor Support Facility, the University needs to remove and properly dispose of the water that has accumulated in the basements. This water contains minute amounts of metals and radioactive material, and must thus be disposed of within specific federal and state guidelines. There will also be a small amount of water from asbestos abatement that will be treated for disposal. A wastewater treatment facility is the optimum disposal method.

DISCUSSION:

Under this agreement, the City will accept the water pumped out of the basement rooms of the University of Arkansas' SEFOR facility and the treated asbestos abatement water into our wastewater collection system. The water will be discharged by a hauler contracted by the University into the collection system via a manhole on University of Arkansas property on South Razorback Road. The discharge will be time phased to allow City wastewater treatment staff to track plant operations during the process. The wastewater has been tested by multiple laboratories, and meets all discharge requirements for being discharged into a wastewater system. The Arkansas Department of Health, who has primacy in Arkansas over radioactive materials, has approved the discharge of this water into our wastewater facilities (letter attached).

BUDGET/STAFF IMPACT:

None. The University will be charged based on the volume of wastewater discharged.

ATTACHMENTS:

Staff Review Form

Agreement

Letter from Arkansas Department of Health

AGREEMENT TO AUTHORIZE THE UNIVERSITY OF ARKANSAS TO USE THE FAYETTEVILLE SEWER SYSTEM TO DISPOSE OF SEFOR'S POLLUTED WATER

This agreement is entered into between the Board of Trustees of the University of Arkansas, acting for the University of Arkansas, Fayetteville (hereinafter "University") and the City of Fayetteville (hereinafter "Fayetteville") to authorize the University to use Fayetteville's sewer system including facilities to dispose of an amount not to exceed 100,000 gallons of water that has accumulated at the University's Southwest Experimental Fast Oxide Reactor (SEFOR) site that has become slightly polluted with very low levels of radioactivity and some with a small amount of asbestos.

The University of Arkansas agrees to:

1. Properly collect all such polluted water from its SEFOR site and transport it to an agreed location on the University of Arkansas campus and deposit it into Fayetteville's sanitary sewer system under supervision of Fayetteville Wastewater personnel.
2. The University of Arkansas agrees that prior to transporting any such water that has been contaminated with asbestos, it shall filter such water to remove all asbestos down to a 1 micron level and properly and legally dispose of such filtered asbestos. This properly filtered water may then be disposed of pursuant to the procedures in paragraph 1.
3. The University of Arkansas acknowledges that the City of Fayetteville does not have the capacity to treat or reduce the radioactivity in SEFOR's water or the one micron level of asbestos contamination which could remain in SEFOR's water and acknowledges the very low level of radioactivity and asbestos within the transported SEFOR water remains, to the extent permitted by law, the responsibility of the University rather than Fayetteville.

The City of Fayetteville agrees to:

1. Allow the University of Arkansas to utilize its sanitary sewer system from a location on the University of Arkansas campus to dispose of

SEFOR's water, as described above, even though such water contains very low levels of radioactivity and asbestos.

2. The City of Fayetteville agrees to allow the University of Arkansas to place such properly filtered water within the sanitary sewer system to flow to the wastewater plant so that the radioactive and asbestos particles will be combined with other wastewater before being released.

IN AGREEMENT with all the terms and conditions stated above, the Board of Trustees of the University of Arkansas acting for the University of Arkansas, Fayetteville and the City of Fayetteville have authorized their representatives to sign their names below on this ____ day of April, 2017.

**BOARD OF TRUSTEES OF THE
UNIVERSITY OF ARKANSAS,
Acting for the
UNIVERSITY OF ARKANSAS,
FAYETTEVILLE**

By: _____

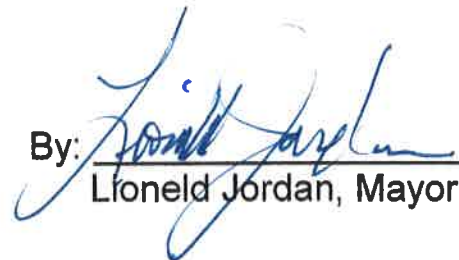


Timothy J. O'Donnell
VICE CHANCELLOR FOR
FINANCE & ADMINISTRATION

Name and Title

**CITY OF
FAYETTEVILLE, ARKANSAS**

By: _____



Lioneld Jordan, Mayor

Attest: _____

Sondra E. Smith, City Clerk



Arkansas Department of Health

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

Governor Asa Hutchinson

Nathaniel Smith, MD, MPH, Director and State Health Officer

March 14, 2017

Michael R. Johnson, PE, F.ASCE, F.SAME
Associate Vice Chancellor for Facilities
University of Arkansas
521 South Razorback Road
Fayetteville, Arkansas 72701

RE: Tritium Water Samples V1-001 & V2-001

Dear Mr. Johnson,

The Department has received the above samples on February 28, 2017 for radiochemical analysis. These results are comparable with the results from Gel Laboratories as identified in their report dated February 22, 2017. These results are below the concentration limits for Tritium specified in RH-902 of the ASBH *Rules and Regulations for Control of Sources of Ionizing Radiation*.

Therefore, the contained water in the underground vaults is considered to be unrestricted for proper release or disposal.

We look forward to working with the University in completion of this decommissioning project.

If you have any questions or need further assistance with your radiation safety activities, please contact this office at 501-661-2173.

Sincerely,

Jared W. Thompson, Program Manager
Radioactive Materials Program

cc: Dean M. Wheeler, Project Director
SEFOR

Alberta Hires, Arkansas Department of Environmental Quality