Haley Griffith (adpce.ad)

Subject: RE: Forrest City Compost Facility

From: Paul Gunn <gunnandassociates@sbcglobal.net>
Sent: Friday, November 1, 2024 11:42 AM
To: Greg Banic (adpce.ad) <greg.banic@adeq.state.ar.us>
Subject: Forrest City Compost Facility

Gunn & Associates
413 Cleveland Street
Forrest City, Arkansas 72335

870-633-0333 Office

Gunn & Associates
Consulting Engineers – Registered Land Surveyors
413 Cleveland Street
Forrest City, Arkansas 72335
870-633-0333
gunnandassociates@sbcglobal.net

November 1, 2024

Mr. Greg Banic, Engineer
Ark. Dept. of Energy & Environment
5301 Northshore Drive
North Little Rock, Arkansas 72118

RE: Forrest City Compost Facility
Forrest City, Arkansas

Dear Greg,

Please find the revised compost facility NOI for the City of Forrest City, Arkansas. Hopefully all information required is included.

Please review and let me know of any additional information is required.

Sincerely,

Paul E. Gunn, P.E./PLS

Division of Environmental Quality
Office of Land Resources
5301 Northshore Drive
North Little Rock, AR 72118
(501) 682-0744

NOTICE OF INTENT (NOI)
FOR COVERAGE UNDER THE GENERAL PERMIT
FOR THE CONSTRUCTION AND OPERATION OF

YARD WASTE COMPOSTING FACILITY (TYPE Y)
0000-SCYW

1. Legal Name of Applicant: City of Forrest City, Arkansas	2. Name of Facility: Forrest City Compost Facility
3. Applicant Legal Address (Mailing Address): P.O. Box 1074	4. Facility Physical Location (Site Address): Ark. Hwy 334, St. Francis Co., Ark.
5. Applicant City, State, Zip: Forrest City, Arkansas 72336-1074	6. Facility City, State, Zip, County: Forrest City, Arkansas 72335
7. Applicant Telephone Number: 870-633-1315	8. Facility Telephone Number: 870-261-1418
9. Applicant Email Address: City Hall@City of Forrest City, AR.com	10. Facility Contact Person: Mr. Darin Flenoy
11. Responsible Official: Mr. Darin Flenoy	12. Facility Contact Email Address: City Hall@City of Forrest City, AR.com
13. Title of Responsible Official: Director of Public Works	14. Facility Latitude and Longitude: Lat: 34°58'08"N, Long: 90°44'34"W
15. Responsible Official Telephone: 870-261-3151	16. Facility Section/Township/Range: SW/4, Section 12, T4N-R3E

17. Classification - Check box if applicable [See Regulation No. 22.804(b)(1)]

0000-SCYW	> 50 tons or 500 cu yds annually	☑
Small facilities	< 50 tons or 500 cu yds annually	☐ **Stop****.

**Small facilities fill out the "Small Composting Site Notification Form" located in Part III of 0000-SCYW

18. Has the facility notified the appropriate Regional Solid Waste Management District? [See Regulation No. 22.803(c)]

☐ Yes – Attach

☑ No – Explain Already have permit

19. Is the site currently permitted by the Division as a Solid Waste Yard Waste Compost Facility?

☑ Yes - Permit Number: 0051-SCYW

☐ No

Other DEQ permits? Stormwater permitting is required.

☑ Yes - Permit Number(s): ID # 71801

☐ No - Explain: _____

20. Location Restrictions and Siting Requirements Demonstration [See Regulation No. 22.803]

Does the applicant own or control the site? ☑ Yes ☐ No

Is the applicant responsible for facility operation and maintenance? ☑ Yes ☐ No

Is site located in the 100-year flood plain? ☐ Yes ☑ No

Is site designed and operated to not restrict flow of base flood, reduce water storage capacity of flood plain, or result in washout of solid waste? ☑ Yes ☐ No

Is the site located in a jurisdictional wetland? ☐ Yes ☑ No

Has site obtained all necessary geographic site approval from government(s) of jurisdiction? ☑ Yes ☐ No

Was the facility in existence prior to May 7, 1995? ☐ Yes ☑ No

Are site active areas located within 50 feet of property boundary? ☐ Yes ☑ No

Are site active areas located within 100 feet of a naturally occurring water body? ☐ Yes ☑ No

Are site active areas located within 200 feet of an existing residence, place of business, or drinking water supply not owned or leased by the applicant? ☐ Yes ☑ No

21. Additional Requirements

Site and ½ mile surrounding land use, zoning, and existing features map [See Regulation No. 22.804(b)(3)] ☑ Attached or SWMD Reference ID_____

Map depicting wetlands and floodplains [See Regulation No. 22.804(b)(4)] ☑ Attached or SWMD Reference ID_____

Site Plan [See Regulation No. 22.804(b)(5)] ☑ Attached or SWMD Reference ID_____

Operating Narrative [See Regulation No. 22.804(b)(8)(i) and conform to 22.805] ☑ Attached or SWMD Reference ID_____

Closure Plan [See Regulation No. 22.804(b)(9)] ☑ Attached or SWMD Reference ID_____

Does the facility have design plans and operating specifications [See Regulation No. 22.806]? ☑ Yes ☐ No

22. Describe all waste or recovered material or otherwise all material accepted at the site? Include all material whether processed by composting or simply processed and stored for re-distribution or re-use.

Compost Facility only accepts and uses grass clippings, leaves, brush, tree limbs and prunings

Are any industrial wastes or special materials proposed for acceptance? See Regulation No. 22.102 - Definitions.

☐ Yes – Explain:

☑ No industrial or special material.

23. Permit Fees - for existing facilities the current annual billing cycle will remain unchanged and there are no additional fees. Simply continue paying the $450 annual fee when it is billed by DEQ.

New Facility – ☐ $900 initial fee is attached ☑ existing

All facilities – Are all ADEQ invoices paid to date (for all permits or licenses)?

☑ Yes

☐ No, explain_____

24. Financial Assurance (FA) Requirement [See Regulation No. 22.810(c)]

Has a detailed closure cost estimate been completed? [See Regulation No. 22.810(b)] ☑ Yes ☐ No

Does the closure cost estimate include the maximum permitted amount of waste and compost ever stored onsite at one time?

☑ Yes ☐ No

Discuss basis for cost estimates, loading, hauling, disposal, other clean-up, or other removal of items or materials:

Closure cost estimate attached is based upon an independent contracting company's costs for cleaning up and closing the facility.

Cost Estimate Summary Form
[Alternate to a detailed closure cost estimate - complete line items below or attach detailed cost estimate certified by the Professional Engineer retained for this submittal]:

Description	Quantity (max. permitted tons)	Third-Party Closure Cost (transportation and disposal at Class 1 landfill or alternate means of disposal or outlet for re-use available to a third-party)
Yard waste stored onsite	= _____	$ _____
Yard waste in composting process *(incl. production and curing amounts)*	= _____	$ _____
Stored finished compost onsite	= _____	$ _____
Unprocessed wood waste stored onsite	= _____	$ _____
Processed wood waste stored onsite	= _____	$ _____
Non-compostable material for recycling	= _____	$ _____
Non-compostable waste residual materials for disposal	= _____	$ _____
Other – Explain _____ *(Attach supplement documentation, if needed)*	= _____	$ _____
Other – Explain _____ *(Attach supplement documentation, if needed)*	= _____	$ _____
Other – Explain _____ *(Attach supplement documentation, if needed)*	= _____	$ _____
Other – Explain _____ *(Attach supplement documentation, if needed)*	= _____	$ _____
Other – Explain _____ *(Attach supplement documentation, if needed)*	= _____	$ _____
TOTAL		$ _____

Note: FA must be in a mechanism allowed by Regulation No. 22.1405. Financial Assurance is waived for State and Federal facilities only. Generally, no other waivers will be allowed without extensive and acceptable rationale which demonstrates an alternative means for coverage should the owner or operator become financially incapacitated. Previous waivers are not valid under this permit revision.

25. Disclosure Statement

In accordance with Ark. Code Ann. §8-1-106, a disclosure statement is required to be maintained on forms provided by DEQ. Exemption to this requirement exists for federal, state, municipal, county, or solid waste management district-owned sites. The exemption does not extend to improvement district or other extensions of government that are not instituted by an act of the General Assembly. Publicly held companies which file reports under the Securities Exchange Act are not required to file DEQ disclosure forms but they must submit the most recent report which provides information regarding the legal proceedings of the applicant.

DEQ Disclosure/SEC report Attached ☐

Exempt Federal, State, City, County, or RSWMD ☑

Other ☐ Explain_____

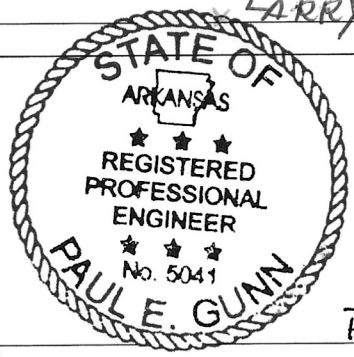
Certification

To the best of my knowledge and belief, I certify the information provided in this Notice of Intent is true and accurate:

APPLICANT [~~Regulation~~ No. 22.301(h)]

Signature	Name and Title	Date
x	x LARRY S BRYANT, MAYOR	x 5/25/23

ENGINEER



Signature and Seal	Name and Title	Date
	PAUL E. GUNN, P.E.	5/24/23

OPERATIONAL PLAN
COMPOST FACILITY
FORREST CITY, ARKANSAS

1.) The composting facility will be operated at the Forrest City Landfill property during the hours of 7:00 A.M. to 4:00 P.M., Monday through Friday.

2.) The City of Forrest City Landfill compost facility will include turning, mixing and record keeping, etc.

3.) The City of Forrest intends to compost yard waste only consisting of grass clippings, leaves, brush and tree limbs and prunings. No additional additives such as sewer sludge, manure or enzymes will be used.

4.) The equipment to be used consists of bulldozer, and backhoe with front end loader.

5.) Run-on and run-off surface water will be controlled by perimeter ditches.

6.) An estimated amount of material that is compost. There will be a report of tons sent in every month or every three months by the City of Forrest City.

7.) The City of Forrest City will utilize the guidelines by ADEQ to turn regularly and mix compost.

8.) The City of Forrest City plans to use the windrow method of composting.

9.) During the week, the compost facility will not be open to the general public. The only material that will be used in the compost operation will be brought in by the City of Forrest City personnel and therefore will be screened to make sure only acceptable yard waste material will be used. No hazardous waste or deleterious material will be allowed or used.

10.) At a point and time when the composting material is ready for distribution, the City of Forrest City will allow the general public to come to the facility approximately on the second Saturday in each month between the hours of 7:00 A.M. to 12 P.M. and get the composted material free of charge. (At the discretion of the Mayor the time can be changed to accommodate the community.)

11.) There is public water available at the landfill site and there is a water truck on hand for use in moisture and firefighting.

12.) It is anticipated and hoped all the materials used in the compost operation will be taken by the public and disposed of by their use.

13.) The City of Forrest City is currently in discussions with the East Arkansas Enterprise Community to dispose of any and all excess compost materials.

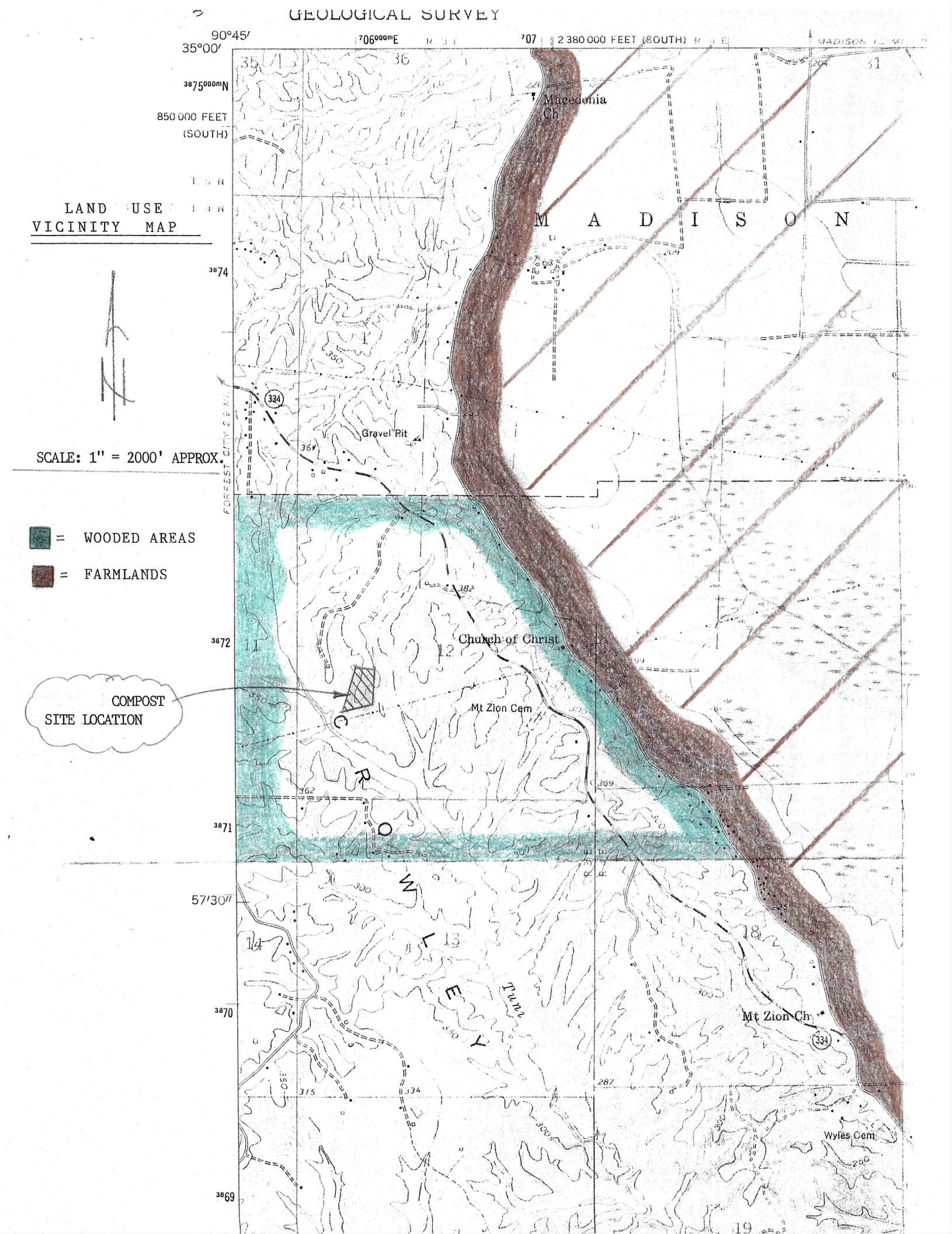
CLOSURE PLAN

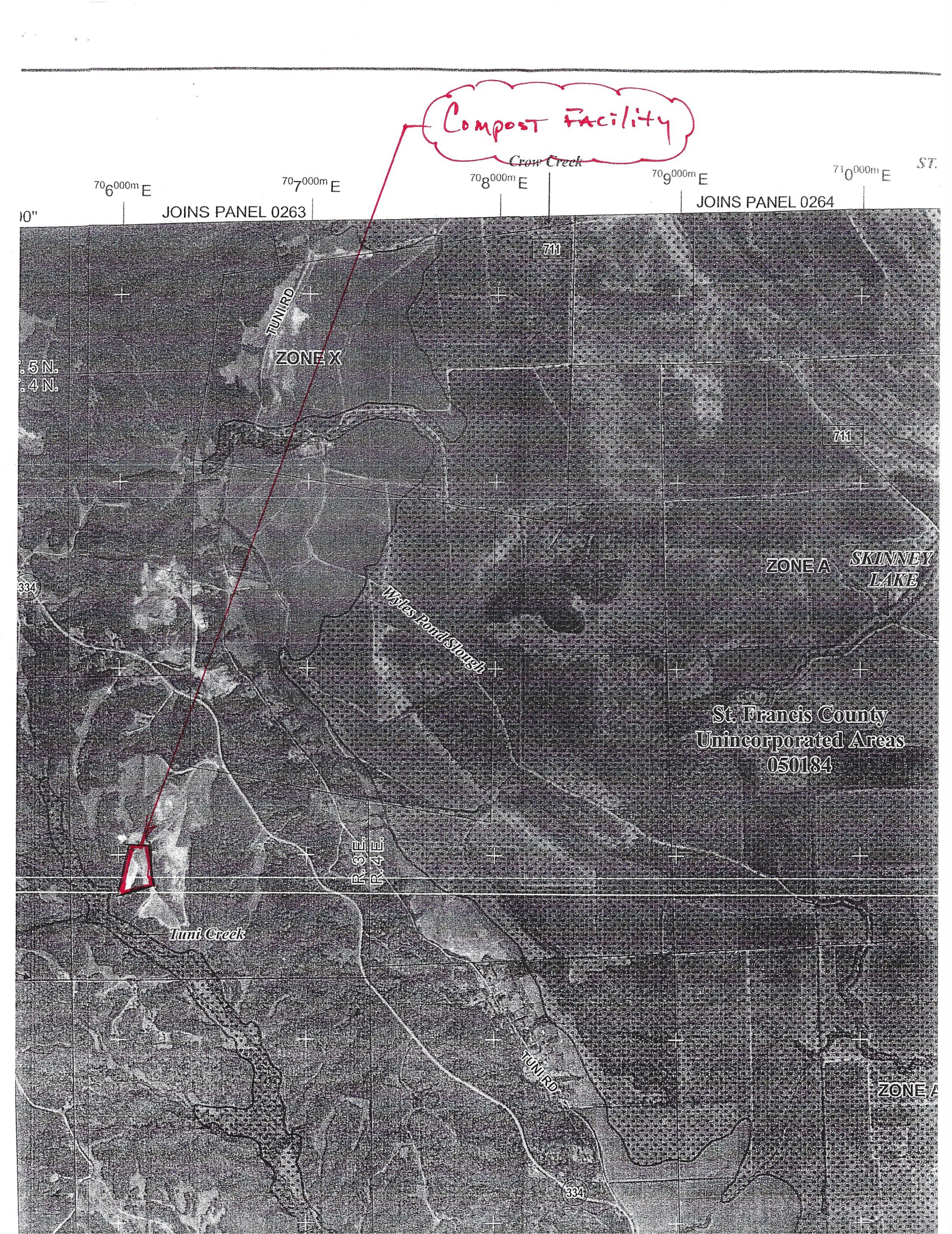
1.) In the event the facility ceases to operate, the City of Forrest City would stop accepting any further compost material. The existing material on-site would be disposed of in an approved manner in accordance will all state and federal regulations and guide lines. The site would then be restored to its original state by grading and seeding with grass to prevent erosion.

2.) If the City of Forrest City does not do the closure, an outside contracting company would perform the work under the guide lines of the ADEQ and inspection of the City of Forrest City and their Engineer.

Costs for removal of disposal of composted material would be approximately $20/ton within a 20 mile radius of the site.

Grading and seeding the compost site would be approximately $2400/acre.


GEOLOGICAL SURVEY
90°45'
35°00'
706000mE
707
2 380 000 FEET (SOUTH)
3875000mN
850 000 FEET
(SOUTH)
LAND USE
VICINITY MAP
SCALE: 1" = 2000' APPROX.
= WOODED AREAS
= FARMLANDS
COMPOST
SITE LOCATION
MADISON
Macedonia
Ch
Gravel Pit
Church of Christ
Mt Zion Cem
CROWLEY
Turn
Mt Zion Ch
Wyles Cem
3874
3872
3871
3870
3869
57'30"
334


Compost Facility
Crow Creek
706 000m E
707 000m E
708 000m E
709 000m E
710 000m E
JOINS PANEL 0263
JOINS PANEL 0264
711
TUNI RD
ZONE X
ZONE A
SKINNEY LAKE
Wyles Pond Slough
St. Francis County
Unincorporated Areas
050184
R3E
R4E
Tuni Creek
334



MAP SCALE 1" = 2000'

1000 0 2000 4000 FEET

600 0 600 1200 METERS

X

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0450D

FIRM

FLOOD INSURANCE RATE MAP

ST. FRANCIS COUNTY, ARKANSAS

AND INCORPORATED AREAS

PANEL 450 OF 525

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ST. FRANCIS COUNTY	050184	0450	D

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
05123C0450D

EFFECTIVE DATE
FEBRUARY 18, 2005

Federal Emergency Management Agency

52' 30"
"

LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

	1% annual chance floodplain boundary
	0.2% annual chance floodplain boundary
	Floodway boundary
	Zone D boundary
	CBRS and OPA boundary
	Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
513	Base Flood Elevation line and value; elevation in feet*
(EL 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

*Referenced to the National Geodetic Vertical Datum of 1929

A — A	Cross section line
23 — 23	Transect line
45° 02' 08", 93° 02' 12"	Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
$^{49}89^{000m}$ N	1000-meter Universal Transverse Mercator grid values, zone 15
	Bench mark (see explanation in Notes to Users section of this FIRM panel)

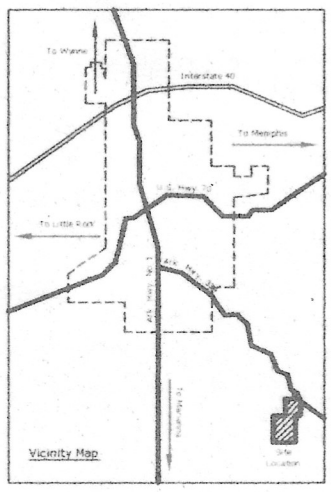
Site Plan for
Compost Site
Forrest City, Arkansas

Located in SW1/4, Section 12,
T4N-R3E
St. Francis County, Arkansas

N

Scale: 1" = 90'

0 45' 90'



Legend:

— 300 — = Contour Line

⟶ ⟵ = Flow Direction

CMP = Corrogated Metal Pipe

O/H = Overhead

Latitude: 34°58'08"N
Longitude: 90°44'34"W

Note:
1.) There are no significant structures or impervious surfaces.
2.) There are no structural control measures.
3.) There are no potential pollutant sources.
4.) There are no stormwater inlets or outfalls.
5.) There is no municipal storm sewer system (MS4).
6.) There are no non-stormwater discharge areas.
7.) There are no fueling stations at the site.
8.) There are no adjacent sources of pollutants.
9.) The entire composting area as shown is utilized for the compost operation. There are no specific staging or storage areas.

Legal Description:

A parcel of property located in part of the SW1/4, Section 12, T4N-R3E, St. Francis County, Arkansas and being more particularly described as follows: Commencing at the Northwest Corner of said SW1/4, thence N89°46'28"E 1309.4 feet along the North line of said SW1/4 to a point; thence S5°35'33"E 340.3 feet to the point of beginning; thence from the point of beginning, S6°36'47"W 583.3 feet to a point; thence S4°35'12"E 123.5 feet to a point; thence S75°36'53"W 504.6 feet to a point; thence N13°19'02"E 907.0 feet to a point; thence S81°07'33"E 341.5 feet to the point of beginning, containing 7.25 Acres, more or less.