

CENTRAL TEXAS COUNCIL OF GOVERNMENTS CENTRAL TEXAS COUNCIL OF GOVERNMENTS



CLOSED LANDFILL INVENTORY

Representing: Bell, **Coryell**, Hamilton, Lampasas, Milam, Mills, San
Saba Counties

CORYELL COUNTY



A VOLUNTARY ASSOCIATION OF LOCAL GOVERNMENTS
CENTRAL TEXAS COUNCIL OF GOVERNMENTS
PLANNING AND REGIONAL SERVICES

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PHONE: (254) 933-7075 FAX: (254) 939-0885
P.O. BOX 729
BELTON, TEXAS 76513-0729

Resolution 023-04-2002

A Resolution of the Central Texas Council of Governments authorizing the approval of the Closed Landfill Inventory and the adoption of said Inventory as an amendment to the Regional Solid Waste Management Plan

Whereas, the Central Texas Council of Governments was designated by the State of Texas with the responsibility to prepare the Closed Landfill Inventory for its Region encompassing the counties of Bell, Coryell, Hamilton, Lampasas, Milam, Mills, and San Saba, pursuant to §363.064(a)(10) of the Texas Health & Safety Code, as amended by Senate Bill 1447, 76th Legislature, and

Whereas, the Central Texas Council of Governments published due notice in the newspapers of record, throughout its seven county region, prior to the Public Hearing for the Closed Landfill Inventory, which was held on May 25, 2001, and

Whereas, the Central Texas Council of Governments has completed the recommend revisions to the Inventory as submitted to the Central Texas Council of Governments by the Texas Natural Resource Conservation Commission in December of 2001, and

Whereas, the Solid Waste Advisory Committee of the Central Texas Council of Governments has approved and adopted the Inventory in a meeting open to the public on April 19, 2002, now

Therefore Be It Resolved, that the Executive Committee, the governing body of the Central Texas Council of Governments does approve and adopt the Closed Landfill Inventory as an amendment to the Regional Solid Waste Management Plan and authorizes its submittal to the Texas Natural Resource Conservation Commission for approval.

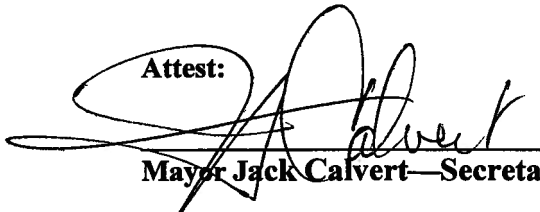
Passed and adopted this 25th day of April, 2002 by the Executive Committee of the Central Texas Council of Governments.


Judge Harlen Barker

April 25, 2002

Date

Judge Harlen Barker, President—
Executive Committee

Attest:

Mayor Jack Calvert—Secretary/Treasurer

CENTRAL TEXAS COUNCIL OF GOVERNMENTS CLOSED LANDFILL INVENTORY

According to the Texas Natural Resource Conservation Commission's (TNRCC) Municipal Solid Waste regulations (31 TAC §330.951), the definition of a closed municipal solid waste landfill is as follows:

A discreet area of land or an excavation that has received only municipal solid waste or municipal solid waste combined with other solid wastes, including but not limited to construction/demolition waste, commercial solid waste, nonhazardous sludge, conditionally exempt small-quantity generator hazardous waste, and industrial solid waste, and that is not a land application unit, surface impoundment, injection well, or waste pit as those terms are now defined by 40 CFR §257.2 (EPA Regulations).

Under §363.064(a)(10) of the Texas Health & Safety Code, as amended by Senate Bill 1447, 76th Texas Legislature, all Councils of Governments are required to compile an inventory of closed municipal solid waste landfill units. Per the statutory provisions, the inventory is to include:

- a. landfill units no longer in operation
- b. the exact boundaries of each former landfill unit or, if the exact boundaries are not known, the best approximation of each unit's boundaries
- c. a map showing the approximate boundaries of each former landfill unit, if the exact boundaries are not known
- d. the current owners of the land on which the former landfill units were located
- e. the current use of the land

In compiling this inventory, the Central Texas Council of Governments (CTCOG) entered into a partnership with the Bell County Network for Education Technology (BellNET) in December of 1999. Working with a grant from the TNRCC and a School-to-Work grant from the Texas Workforce Commission, CTCOG and BellNET set out to establish a multidisciplinary approach to completing the inventory with a goal of finishing the project within the fiscal year 2002 timeframe.

Students from area colleges and universities were recruited by BellNET in June of 2000 to assist in gathering and organizing the landfill data. In exchange for their work, each student was awarded a small scholarship to the institution of their choice. Initial data collection was completed in November of 2000.

The data collection was analyzed and reviewed by CTCOG staff. Based on this data (written and verbal directions, previously drawn maps, deeds, inspection records, etc.), a map depicting each landfill and its boundaries was produced using DOQQ photographs. The site history, ownership information, current land use, and a narrative description of the location of each landfill were also included in the inventory. All maps and supporting information are derived from the best available public records—many times they are only estimations.

No claims are made as to the positional accuracy or completeness of the data or its suitability for a particular purpose. The minimum required components of the inventory, as required by the TNRCC, are listed below.

Once the initial compilation of the Inventory was complete, public meetings were held on May 10, 2001 at the Commissioner's Courtroom in Belton, Texas and on May 17, 2001 at the Commissioner's Courtroom in Lampasas, Texas. No public comment was received at either meeting. A public hearing was held on May 25, 2001 at the Commissioner's Courtroom in Belton, Texas to allow the public one final time of viewing and commenting on the Inventory before being adopted by CTCOG's governing body. No public comment was received.

The initial draft was sent to the TNRCC for comments in June of 2001, and the agency provided a list of recommended changes by December of the same year. These suggested changes were minor in nature and dealt primarily with formatting issues. The final revision of the inventory was complete in April of 2002.

The Solid Waste Advisory Committee met on April 19, 2002 and approved the Inventory and formally adopted the document as an amendment to the Regional Solid Waste Management Plan. The Executive Committee of CTCOG officially accepted this approval on April 25, 2002.

The Inventory is divided by county, however, Fort Hood is further divided into its own section despite the fact that it falls within Bell and Coryell counties. All landfills are in numerical order with the unpermitted sites listed first. Unpermitted sites are identified with a "U" number while permitted sites are identified by a "P" number. Reference attachments are listed chronologically. Please note that some of the Fort Hood site attachments are referenced by three different numbering systems—TNRCC, the Resource Conservation and Recover Act (RCRA), and Fort Hood's own numerical assignment. For example, site U2568 is a TNRCC designation, but the RCRA and Fort Hood numbers for this site are FH-003 and Site 4, respectively. In keeping with the rest of the Inventory, Fort Hood sites were arranged according to the TNRCC designation.

Two Appendices are included in the Inventory. Appendix I consists of landfill sites that were removed from the Inventory. Each of these sites is an unpermitted site with a corresponding permit number. In other words, both a permitted site and an unpermitted site had been found to encompass the same land area. For example, site U441 was found to be the same site as P1139. In all cases, the unpermitted site was removed. The corresponding permitted site remains listed in the appropriate county.

Appendix II lists landfill sites that were added to the Inventory. These sites have not been documented by the TNRCC and were discovered during the research for this Inventory. Each of these additional sites is located within Fort Hood. A temporary number has been assigned to each site. This number consists of the State assigned COG number (CTCOG is 23), T (for Temporary), and a three digit unit number beginning with 001.

7.0 MINIMUM REQUIRED COMPONENTS OF THE INVENTORY

For the most part, much of the minimum requirements of the closed landfill inventory can probably be completed without additional research (i.e., in most cases, the information collected thus far and provided to the COGs is sufficient to satisfy the basic inventory provisions of the statute, and only needs to be organized and presented in a consistent format). Further, although some of the COGs may intend to utilize geographic information systems, computer aided drawing, and supplemental databases, it is important to note that the approach to completing the inventory does not have to be highly technical or demand significant additional resources.

However, it should also be noted that taking a minimal approach may have drawbacks in the long run, particularly in regard to obtaining sufficient information to fulfill the statutory requirements beyond completing the inventory itself (i.e., notification of certain property owners). In addition, for those sites where little is known or the information available is not verified, the COG may need to consider whether further research or even a site investigation are warranted.

For permitted landfills, the inventory should include all of the landfill units at the permitted facility on one site information form, rather than listing each unit individually. In addition, the landfill units at a permitted landfill facility should not be included on the inventory until the permit for the entire facility has expired or been revoked. Prior to that time, there may be a possibility that the facility could reopen and, in any event, the facility would still be monitored by TNRCC as a permitted site.

Each COG must also evaluate the unpermitted sites listed on the statewide inventory. The COGs may exclude from the regional inventory those sites for which sufficient information is available to positively determine that the site never existed, all materials have subsequently been removed, or the site was misidentified as a closed landfill. All other sites from the statewide inventory should be reflected in the regional inventories.

However, if desired, the COG may list those sites that have been confirmed as closed landfills separate from sites that are suspected but have not been confirmed. This can be accomplished by including the high-confidence sites in one section and lower-confidence sites in another section. In both cases, the site information forms should provide information on the confidence that the COG has in the site designation and location.

Along with the completed inventory, the COG should provide TNRCC with a list of sites from the statewide inventory that were excluded from the regional inventory. For each site, the COG should provide information on why the site was excluded. This information can be submitted using the Database Revision Form provided in Appendix E.

TNRCC will provide the COGs with additional information on recent permit expirations and applications to develop over any closed landfill sites not included in the existing inventory database. These additional sites should be included in the regional inventories. Further, if a COG becomes aware of any additional closed landfill sites through its own research or investigation, the COG must determine the validity of the information and include such additional sites as appropriate in the regional inventory.

The grant contract specifies the mandatory components that must be included in the inventory to satisfy the statutory requirements. These components are outlined below, and explained further in the following subsections.

- Where known, a description of the exact boundaries of former landfill units
- If exact boundaries are not known, a description of the approximate boundaries of the former landfill units
- Where the exact boundaries are not known, include a map of the approximate boundaries of the former landfill units
- If known, the current owners of the land on which the former landfill unit is located
- If known, the current use of the land

7.1 Exact Landfill Unit Boundaries

Where known, the exact location and boundaries of the landfill units must be described. The COG will need to determine whether enough information is available to certify that the exact boundaries have been identified for a particular site. Several instances where it is recommended that the COG consider accepting the information as sufficient to describe the exact boundaries include:

- a. A certified metes and bounds description which has been publicly filed is available, such as found in an affidavit of closure;
- b. Certified engineering drawings and/or other certified surveys of the final landfill site are available in the records; or,
- c. A new survey has been conducted by the COG or other entity, preferably based on actual geographic coordinates.

7.2 Approximate Landfill Unit Boundaries

Where exact landfill unit boundaries are not known, a description of the approximate boundaries must be provided. This description should include as much information as is available to describe the location and boundaries of the site. Reference should be made to major physical and geographic features in relation to the site location. To the extent possible, it is recommended, but not required, that reference be made to the applicable basic land unit numbers (i.e., block, tract, parcel, etc.), as well as any available information on the geographic coordinates of the site and the landfill boundaries.

7.3 Maps

Where the exact location and boundaries are not known, the inventory must include a map of the approximate location and boundaries of the landfill unit. For consistency and overall usefulness of the inventory, it is recommended, but not required, that the inventory also include maps of those landfills where the exact boundaries are known.

In depicting approximate boundaries, showing only the approximate point location of a closed landfill site will not satisfy the mapping requirement. By the same token, nor will an overly broad boundary approximation, such as an entire quadrant of a county, be acceptable (i.e., the approximate boundaries indicated on a map must correlate as much as reasonably possible to the available information on the location of the site). In addition, as directed in the grant contract, all maps should show closed landfill boundaries in relation to identifying physical or geographic features, such as roads, waterways and lakes, rail lines, and/or other features.

For some of the sites, a detailed map of the landfill, based on engineering drawings or a survey, may already be available and can be included in the inventory. In most cases, however, a new map will need to be prepared.

Because a primary purpose of the inventory is to assist landowners and potential property buyers, public officials, and others in locating these sites, the COG should consider indicating on the maps the boundaries and identification numbers of affected land tracts (i.e., basic land units), to the extent that this information is available. Especially where the exact boundaries of a landfill are not known, indicating the basic land unit boundaries and unit numbers on the map may be one way to depict the approximate boundaries of the landfill in a manner that will fulfill the statutory requirement (an example map, using this approach, is provided in Appendix B).

Also, remember that even if exact boundaries are known, such as through a metes and bounds description, it may be difficult to exactly represent that site on a map. For instance, if the beginning geographic coordinates of the survey cannot be verified, the COG may not be able to present the map as "exact," even though a description of the exact boundary is available. For this reason, the maps should be considered as supplemental to the location and boundary descriptions in the inventory (e.g., metes and bounds description). The determination of whether the "exact" boundary of the landfill is known should be based on the location and boundary description and not on the accuracy of a map of the site.

For landfills where boundary lines are available, but cannot be accurately placed on a map, the COG should consider including a dotted line or other method to indicate that the position of those boundary lines is considered accurate within a certain distance or radius. Similarly, where boundary lines are not available, the COG should consider using this approach to indicate the approximate location and boundaries of the site, in relation to geographic and physical features and the boundaries of applicable basic land units (see Appendix B).

In addition to the boundary and geographic information provided on the map, it is important that the maps provide basic reference information. It is recommended that each map include the following or similar information:

- a. Title block, identifying county and landfill number;
- b. Block with map scale, orientation, COG name, and date of preparation;
- c. Sufficient geographic and physical reference features (i.e., roads, streams, political boundaries, etc.);
- c. Closed landfill unit boundaries (note as exact or approximate); and,
- d. Applicable basic land units, such as land tracts and identification numbers (as available).

It is also recommended that explanatory comments and a disclaimer be placed on each map, especially for those showing approximate boundaries. The disclaimer should note the legislative requirements.

If it has been determined that all materials were removed from the site, or that a landfill never existed in that location, it is not necessary to provide a map. However, the inventory form, as described in Section 8.0, should still be provided, stating as such.

7.4 Ownership Information

Per the grant contract, land ownership information will not be required by TNRCC, if this information is not available. However, if this information is not compiled for the inventory, the COG will later need to determine the owners of those tracts where the exact landfill boundaries are available, in order to fulfill the notification requirements of the statute.

In order to find ownership information, the COG will need to first determine the applicable land unit or units corresponding to the geographic coordinates of the site. For each basic land unit, the county appraisal records and/or deed records should show ownership information.

7.5 Land Use

Per the grant contract, land use information will not be required by TNRCC, if this information is not available. However, land use information will be important to any subsequent work by the COG, local governments, or TNRCC to assess the risks posed by particular sites, based on land use.

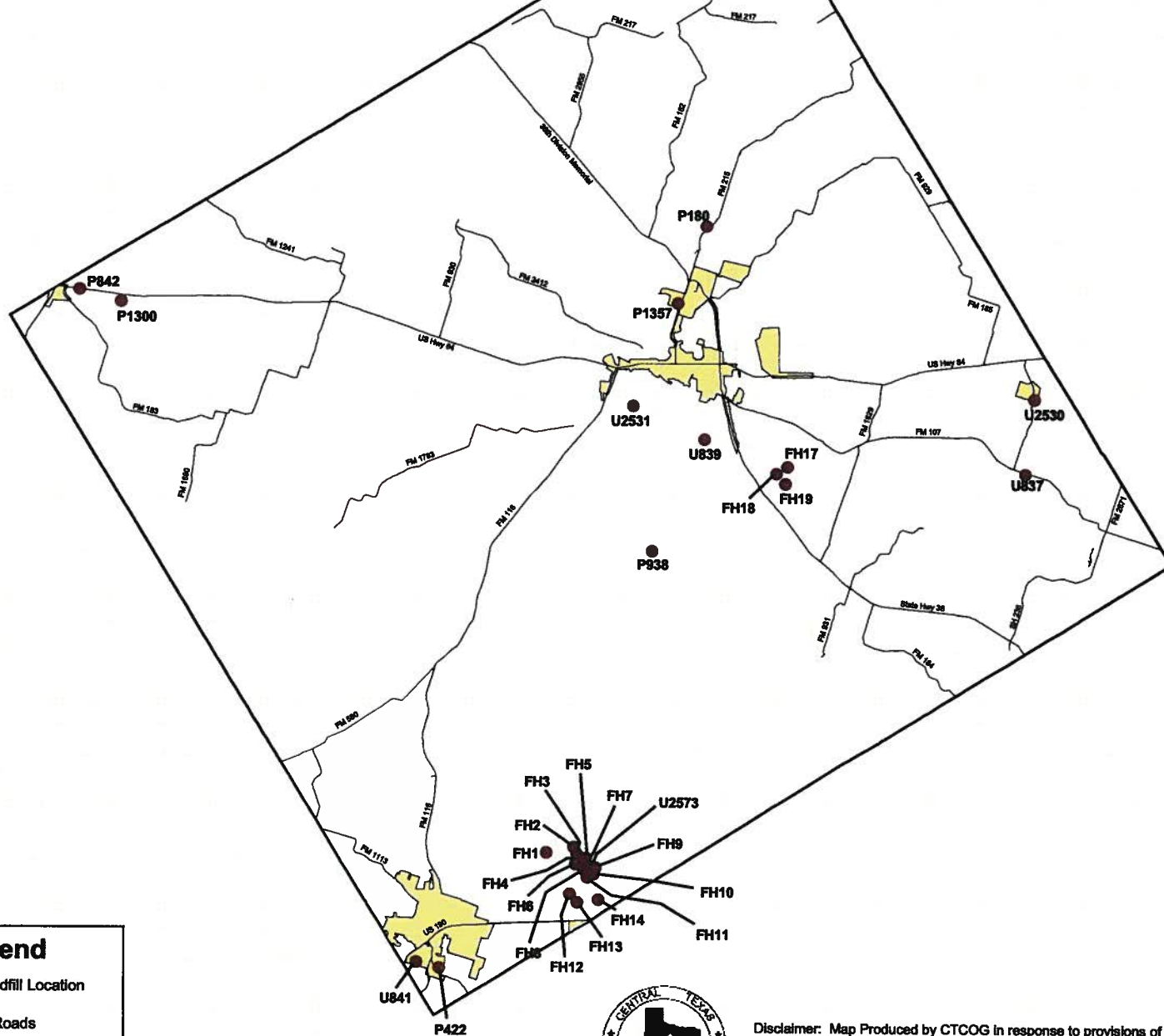
TNRCC has not established standards for describing the land use for a site. To the extent possible, it may be best to provide land use information in descriptive terms. Several examples are provided below:

- commercial property with two storage warehouses located on the landfill site
- residential neighborhood with approximately 20 houses on the landfill site
- agricultural land, with no structures nearby

The extent to which a full description can be provided depends upon available information. If the COG or its consultant visually inspects the landfill site, or if analysis is done using aerial photos, then more descriptive information may be available. On the other hand, information derived from a local zoning map or land use plan may include reference to the land use designation of the area (i.e., commercial, industrial, residential, etc.).



Coryell County Closed Landfill Inventory



Closed Landfill Inventory
Central Texas Council of Governments

Site Identification

County	Coryell
Permitted Site Number	U837

Location and Boundary

COG Confidence Level	50%
Latitude	31.3718 N
Longitude	97.5140 W
Narrative Location Description	Approximately 3 miles south of downtown, ½ mile east of intersection of FM 1996 and FM 107 on south side of 107
Boundary Description	No Deed Located
Basic Land Units	Tract 010100, Block 5138

Land Use	Vacant or Agriculture
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Ownership Information

Current Property Owner(s)	Coryell County
Current Owner(s) Address	620 East Main; Gatesville, TX 76528
Dates of Ownership	Unknown
Land Unit	4 Acres

Site History and Current Status

Previous Owner(s)	Unknown
Dates of Operation	1900's - 2/4/1971
Enforcement History	Unknown
Types of Waste Disposed	Household Waste

Reference Attachments

State House of Representatives Letter Regarding Complaint Procedures Dec. 1970
Texas Department of Health Memo Regarding Complaint Jan. 1971
Texas Water Commission Landfill Inventory



BOB SALTER
P.O. BOX 629
GATESVILLE, TEXAS 76528
817-865-5716
DISTRICT 36
MCLENNAN AND CORYELL COUNTIES

The State of Texas
House of Representatives

P.O. Box 89
Capitol Station
Austin 78711
512-475-4765

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VICE CHAIRMAN:
ELECTIONS

MEMBER:
APPROPRIATIONS
CONGRESSIONAL & LEGISLATIVE
DISTRICTS
JUDICIARY
JUVENILE CRIME &
DELINQUENCY

December 7, 1970

Water Quality Board
1108 Lavaca Street
Austin, Texas

Gentlemen:

Please be kind enough to inform Mr. B. B. Ross at 1208 West 5th Street in McGregor, Texas, about the appropriate procedures by which a compliant can be made concerning the manner and method by which the City of Oglesby is now using in connection with the city dump. It seems as though the City of Oglesby has bought a small tract of land for a dump which is directly adjacent to a county road and that large containers of waste and debris are being thrown out on the road adjacent to the dump area. A copy of your letter to Mr. Ross will be most appreciated.

Thanking you in advance for your cooperation in this matter,
I remain

Sincerely yours,

BOB SALTER

BS/rp

CORYELL COUNTY

STATE DEPARTMENT OF HEALTH
AUSTIN TEXAS

INTER-OFFICE

M: Jimmie D. Dickens, R. S. TO: David L. Houston, P. E., Chief

SUBJECT: Trip Report - Coryell County
January 20, 1971

January 20, 1971 - Coryell County

Mr. Freeman and the writer also contacted Mayor Joe L. Draper of Oglesby in response to a complaint by letter about a solid waste disposal site near Oglesby. Mr. B. B. Ross of McGregor, the complainant was contacted by telephone to advise him that the inspection was being made in response to his complaint. Upon inspection of the site, it was found that the site had been operated in the past by Coryell County and that the City of Oglesby was hauling to the site. The county has now closed the site and posted "Closed - No Dumping" signs at various locations around the area. No earth cover has been provided and a letter will be prepared to the County Judge recommending that proper covering be provided.

JDD:skn

cc: Region II, TSDH

SIGNED Jimmie D. Dickens

DATE February 4, 1971

FORM NO. AG-2-A

CORYELL COUNTY

TEXAS WATER COMMISSION

0837

Closed/Abandoned Landfill Inventory

Page 1

Date:

Name of Site 1) Oglesby 2)

County Coryell District 03 River Basin I

Location Approx 3 mi S of Downtown, 0.5 mi E of
Intersection of FM 1996 and FM 107, on N side of 107

Latitude _____ Longitude _____ Code II

SE Corner Y/N

Aerial Photo Series

Name _____
Num. Code _____

7.5" Topographic Series

Name _____
Num. Code _____

OPERATIONAL INFORMATION

Current Property Owner Coryell County Code C #

Address _____
Telephone _____

Dates of Operation UNK to 1971 Size 4 acres cu. yds
(circle one)

Parties That Utilized Site

Type of Waste:

Household
Y/N

Construction/Demolition
Y/N

Industrial
Y/N

Tires
Y/N

Agricultural
Y/N

Brush
Y/N

Other

Hazardous Waste:

Unlikely Y/N
Probable Y/N
Certain Y/N

CORYELL COUNTY

TEXAS WATER COMMISSION

Closed/Abandoned Landfill Inventory

Page 3

Site Name: Oglesby, Coryell

Date: _____

OTHER INFORMATION

Aquifer Recharge Zone

Y/N

Aquifer _____

Inspection Record

Closure cert. signed on 2/4/71 TDH memo.

Comments

Identified in 1968 survey

CORYELL COUNTY

Closed Landfill Inventory
Central Texas Council of Governments

Site Identification

County	Coryell
Permitted Site Number	U839

Location and Boundary

COG Confidence Level	50%
Latitude	31.3926 N
Longitude	97.7254 W
Narrative Location Description	3 miles south of downtown Gatesville, 1 mile west of SH 36.
Boundary Description	No Deed Located
Basic Land Units	Tract 010400, Block 3012

Land Use	Vacant
-----------------	--------

Ownership Information

Current Property Owner(s)	City of Gatesville
Current Owner(s) Address	110 North 8 th Street; Gatesville, TX 76528
Dates of Ownership	Unknown
Land Unit	40 Acres

Site History and Current Status

Previous Owner(s)	Unknown
Dates of Operation	1905 – 1973
Enforcement History	Unknown
Types of Waste Disposed	Household waste, construction, brush

Reference Attachments

Texas Water Quality Board Memo Regarding Inspection Aug. 1972
Texas Water Commission Landfill Inventory

TEXAS WATER QUALITY BOARD

AUSTIN, TEXAS

1972
RECEIVEDTO: Dick Whittington, P.E., Director, Field OperationsFROM: John Young, Biologist, District 3SUBJECT: Gatesville Landfill, Gatesville, Texas

INTER-OFFICE MEMORANDUM

On August 15, 1972, the writer in company with Mr. James Walker, City Manager, inspected the Gatesville landfill site for evidence of stream pollution. This inspection was in response to a request from Mr. Orville Moody, Texas State Department of Health. The landfill is located on the banks of the Leon River and has been at this site since the early 1900's. The city is presently covering much of the trash dumped along the river banks during the earlier years. Photograph A shows this covering operation. Photograph B shows a pile of uncovered trash. The trench currently being used can be seen in Photograph C and D. As the photographs show, the trench follows the slope of the land toward the river. There is a small dike at the end of the trench. The writer feels as if this dump probably does contribute to pollution of the Leon River, however, the City of Gatesville is trying to correct this problem.

As the State Health Department has requested District 3 to review this problem, please notify the proper officials of the writer's findings.

JY:aw

Attachments

AUG 21 1972

FIELD OPERATIONS			
Act.	Info.	Sec.	It.
		Dir.	
		F. Sup.	
		Surv.	
		S. R. S.	
		Sp. Stud.	

Approved

Joe Morgan

Signed

John Young

Abandoned Landfill Inventory

Date: _____

1) Datesville 2) _____

Coryell District

03 River Basin

3 mi. S of Mount Vernon 1 mi. W of
W 36

Longitude _____

Photo Series _____

Code II

Topographic Series _____

SE Corner Y/N

Name _____

Num. Code _____

Name _____

Num. Code _____

RATIONAL INFORMATION

Current Property Owner _____

Address City of Datesville

Telephone _____

Code ##

Dates of Operation 1905 to 1973

Parties That Utilized Site _____

Size 40 acres/cu. yds
(circle one)

Type of Waste:

Household Y/N

Construction/Demolition Y/N

Industrial Y/N

Other _____

Tires Y/N

Agricultural Y/N

Brush Y/N

Hazardous Waste:

Unlikely Y/N
Probable Y/N
Certain Y/N

CORYELL COUNTY

Closed Landfill Inventory
Central Texas Council of Governments

Site Identification

County	Coryell
Permitted Site Number	U841

Location and Boundary

COG Confidence Level	50%
Latitude	31.0995 N
Longitude	97.9182 W
Narrative Location Description	2 miles west of US 190 and FM 1113 Junction, southwest of City
Boundary Description	No Deed Located
Basic Land Units	Tract 010802, Block 3010

Land Use	Vacant
-----------------	--------

Ownership Information

Current Property Owner(s)	Unknown
Current Owner(s) Address	Unknown
Dates of Ownership	Unknown
Land Unit	17 acres

Site History and Current Status

Previous Owner(s)	Unknown
Dates of Operation	Unknown
Enforcement History	Unknown
Types of Waste Disposed	Household Waste

Reference Attachments

Texas Water Commission Landfill Inventory

0891

TEXAS WATER COMMISSION

Closed/Abandoned Landfill Inventory

Page 1

Date:

Name of Site 1) Copperas Cove 2)

County Coryell District 03 River Basin I

Location 2 mi. W of at Hwy 190 and FM 1113
junction, SW of city

Latitude _____ Longitude _____ Code II

SE Corner Y/N

Aerial Photo Series Name _____
Num. Code _____

7.5' Topographic Series Name _____
Num. Code _____

OPERATIONAL INFORMATION

Current Property Owner City of Copperas Cove Code C ~~#~~
Address _____
Telephone _____

Dates of Operation _____ to UNK Size 17 acres/cu. yds
(circle one)

Parties That Utilized Site _____

Type of Waste: Household Y/N Construction/Demolition _____ Industrial _____
Y/N Y/N Y/N

Tires Y/N Agricultural _____ Brush _____ Other _____
Y/N Y/N Y/N

Hazardous Waste: Unlikely _____ Y/N
Probable _____ Y/N
Certain _____ Y/N

CORYELL COUNTY

TEXAS WATER COMMISSION

Closed/Abandoned Landfill Inventory

Page 3

Site Name: Copperas Cove, Coryell

Date: _____

OTHER INFORMATION

Aquifer Recharge Zone

Y/N

Aquifer _____

Inspection Record _____

Comments

Identified in 1968 survey

CORYELL COUNTY

Closed Landfill Inventory
Central Texas Council of Governments

Site Identification

County	Coryell
Permitted Site Number	U842

Location and Boundary

COG Confidence Level	50%
Latitude	31.4778 N
Longitude	98.1348 W
Narrative Location Description	1 mile east of downtown of Evant on highway 84
Boundary Description	No Deed Located
Basic Land Units	Tract 010100, Block 1028

Land Use	Vacant
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Ownership Information

Current Property Owner(s)	Coryell County
Current Owner(s) Address	620 East Main; Gatesville, TX 76528
Dates of Ownership	Unknown
Land Unit	3 acres

Site History and Current Status

Previous Owner(s)	Unknown
Dates of Operation	1960 – 1990
Enforcement History	Unknown
Types of Waste Disposed	Household Waste

Reference Attachments

Texas Water Commission Landfill Inventory

0842

TEXAS WATER COMMISSION

Closed/Abandoned Landfill Inventory

Page 1

Date: _____

Name of Site 1) Event 2)County Coryell District 03 River Basin ILocation 1 mi. E of Downtown on Hwy 84Latitude _____ Longitude _____ Code IISE Corner Y/N

Aerial Photo Series

Name _____
Num. Code _____

7.5" Topographic Series

Name _____
Num. Code _____

OPERATIONAL INFORMATION

Current Property Owner Coryell County Code C #
Address _____
Telephone _____Dates of Operation _____ to UK Size 3 (circle one) acres/cu. yds
(circle one)Parties That Utilized Site

_____Type of Waste: Household Y/N Construction/Demolition Y/N Industrial Y/NTires Y/N Agricultural Y/N Brush Y/N Other _____Hazardous Waste: Unlikely Y/N
Probable Y/N
Certain Y/N

CORYELL COUNTY

TEXAS WATER COMMISSION

Closed/Abandoned Landfill Inventory

Page 3

Site Name:

Evant, Coryell

Date:

OTHER INFORMATION

Aquifer Recharge Zone

Y/N

Aquifer

Inspection Record

Comments

Identified in 1968 survey

CORYELL COUNTY

Closed Landfill Inventory
Central Texas Council of Governments

Site Identification

County	Coryell
Permitted Site Number	U2530

Location and Boundary

COG Confidence Level	75%
Latitude	31.4132 N
Longitude	97.5672 W
Narrative Location Description	1 mile south of Oglesby on FM 1996 (east side of curve)
Boundary Description	No Deed Located
Basic Land Units	Tract 010100, Block 5116 and 5117

Land Use	Vacant or Agriculture
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Ownership Information

Current Property Owner(s)	Unknown
Current Owner(s) Address	Unknown
Dates of Ownership	Unknown
Land Unit	2 acres

Site History and Current Status

Previous Owner(s)	Robert Bloom
Dates of Operation	1991- 1991
Enforcement History	Unknown
Types of Waste Disposed	Tires, wood, metal, general debris

Reference Attachments

Texas Department of Health Site Report Feb. 1991
Texas Department of Health Letter Regarding Inspection Feb. 1991
Texas Department of Health Complaint Form March 1991
Texas Department of Health Complaint Form March 1991
Texas Department of Health Site Report July 1991
Texas Department of Health Letter Regarding Inspection July 1991
Map of Site

SURVEILLANCE AND ENFORCEMENT DIVISION
BUREAU OF SOLID WASTE MANAGEMENT
TEXAS DEPARTMENT OF HEALTH
UNAUTHORIZED SITE REPORT

Site #: 32090
Region #: 1
County: Coryell

Inspection Date: 2-14-91

***** GENERAL INFORMATION *****
Landowner(s): Robert Bloom Operator(s): same
Mailing Address: Route 1 Mailing Address: _____
Oglesby, TX 76561
Street Address: _____ Street Address: _____
Telephone Number: (817) 456-2525 Telephone Number: _____
Site Location: 1 mile south of Oglesby on FM-1996 at curve on east side of road
Person(s) Contacted: Mr. Bloom
Person(s) Participating in Inspection: none
Purpose of Inspection: Enforcement / Comp. Sch. / Complaint / Court Order Pictures Taken: Yes No
TDH Representative(s): Ben E. Milford, Geologist

***** INSPECTION RESULTS *****
Check the appropriate answer to each of the following questions. Explain answers on Comments Form. (Attach SEF.26 for Comments)

Yes No Unk
☒ ☐ ☐ A. Is the disposal operation being conducted by or with authorization from landowner?
☐ ☒ ☐ B. Is there any indication that tipping fees are being charged?
☐ ☒ ☐ C. Is the site active and receiving waste?
☐ ☒ ☐ D. Is there any indication of groundwater or surface water contamination?
☐ ☒ ☐ E. Is there any indication that solid waste is burned at the site?
☐ ☒ ☐ F. Is waste being placed in unconfined water?
☐ ☒ ☐ G. Are drainage controls provided?
☐ ☒ ☐ H. Does site have means for fire protection?

Yes No Unk
☒ ☐ ☐ I. Is the unloading of waste confined?
☐ ☒ ☐ J. Is access controlled?
☐ ☒ ☐ K. Is there significant windblown waste?
☐ ☒ ☐ L. Is there a significant amount of waste on the access road?
☐ ☒ ☐ M. Is scavenging being allowed?
☐ ☒ ☐ N. Is waste being spread and compacted?
☐ ☒ ☐ O. Is adequate cover being applied?
☐ ☒ ☐ P. Is there any upgradient ponded water?
☐ ☒ ☐ Q. Are there any odors?
☐ ☒ ☐ R. Are vectors present?

S. Description of solid waste being deposited: Tires and some household trash.

T. Acres filled: ~1/4 Approximate dimensions of active disposal area: scattered across property

U. Describe the general topography and soil conditions at the site (e.g. gravel or sand pit, rock quarry, on the ground, etc.)
junk yard

V. Describe observed conditions such as locations of homes, water wells, etc., in the vicinity of the site:
The property is on the outskirts of town, no homes adjacent to property.

W. What kind of equipment is on site? none

X. List known transporters (including mailing address) utilizing site on separate sheet.

Y. Make a simple line drawing on separate sheet of paper keyed to photographs, showing the area of waste deposited, boundaries of site, nearby roads, streams, houses, water wells, etc.

TDH Representative's Signature Ben E. Milford Date 2-26-91

Date Last Inspection _____

Date Last Correspondence _____ Next Inspection Date April 1991

Comments: Mr. Bloom told me that he thought that he could have the
a cleaned up in about one month.

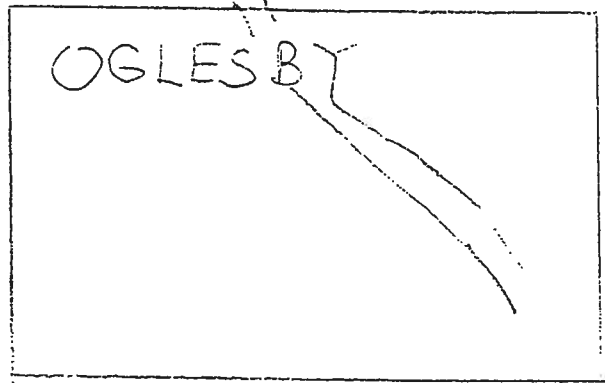
Distribution: White-Central Office Yellow-Region Page 1 of 1

INSPECTION - Unauthorized Site Inspection Form (SEF.25 - 5/18/90)

CORYELL COUNTY

Bloom Property
Coryell Co.

FM 1996



OH

RR



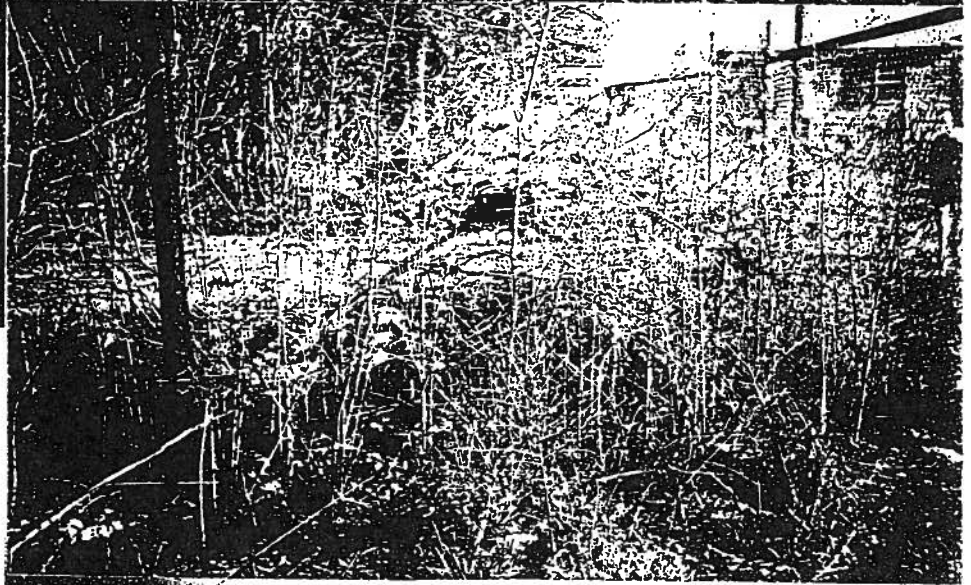
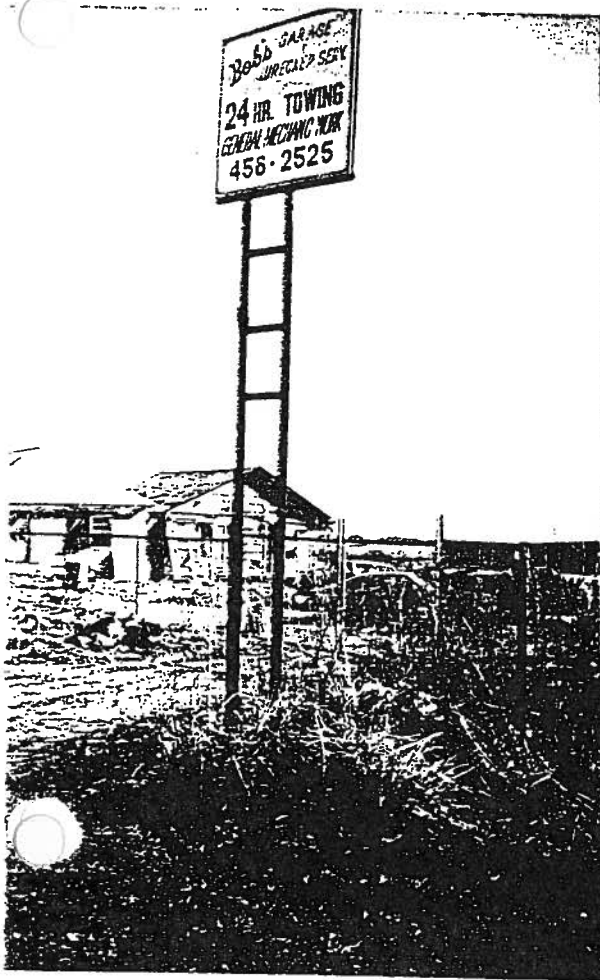
Household
Garbage

Bloom
Creek
Yard

Ben E. Mayford

CORYELL COUNTY

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 04-11-2011 BY 60322 JAL/POF



COUNTY



Texas Department of Health

Robert Bernstein, M.D., F.A.C.P.
Commissioner

Robert A. MacLean, M.D.
Deputy Commissioner

Public Health Region 1
2408 South 37th Street
Temple, Texas 76504-7168
(817) 778-6744
Fax (817) 778-4066

Chas. R. Webb, Jr., M.D., M.P.H.
Regional Director

February 26, 1991

Mr. Robert Bloom
Route 1
Oglesby, Texas 76561

Certified Mail
Return Receipt Requested

Subject: Solid Waste - Coryell County
Approximately 1 Mile South of Oglesby
On FM-1996 On East Side of Road

Dear Mr. Bloom:

On February 14, 1991, my representative, Mr. Ben E. Milford, Geologist, inspected a solid waste site at the subject location that is reportedly located on property owned by you.

During the inspection of the subject solid waste site, it was found that municipal solid waste, including some household garbage, wood, and scattered debris was deposited on the site and that the site was being used for the storage or disposal of used and scrap tires. This site is in violation of State law and the requirements of the Department's "Municipal Solid Waste Management Regulations" (MSWMR).

The rules violated are stated in the following section of the MSWMR:

- 325.51 "No municipal solid waste site shall be operated without a permit from the Department or a license from a county exercising licensing authority.
- 325.832(a) "Persons who store more than 500 used or scrap tires shall register these sites with the Department no later than the effective date of these sections. Persons who plan to store more than 500 used or scrap tires after the effective date of these sections shall register the site with the Department prior to commencing operations....."

Persons responsible for the unauthorized site must take action as necessary to bring the site into compliance with the MSWMR.

CORYELL COUNTY

Mr. Robert Bloom
Solid Waste - Coryell County

Page 2

With respect to the municipal solid waste, no additional solid waste may be deposited or allowed to be deposited and all previously deposited waste must be removed to an approved disposal site. Any other disposal method must receive prior approval from the Department.

Sections 325.838 and 325.853(a) of the MSWMR allow existing used and scrap tire storage or disposal sites to operate pending the submittal and the processing of an application for a storage site or a monofill (disposal) site. To be considered as an existing site under these grandfather clauses the site had to be in existence prior to August 30, 1990.

Sites which initiated operation after August 30, 1990, shall cease operations until a permit or registration has been granted or begin to immediately remove the used and scrap tires to an approved site.

Subchapter H of the MSWMR establishes procedures used by the Department to bring municipal solid waste sites into compliance with the Department's regulations. In accordance with Subchapter H, the following compliance schedule must be implemented:

1. Upon receipt of this letter, you must take the necessary action to halt all municipal solid waste disposal at the above location, including brush and construction or demolition debris, and prevent any additional waste from being deposited at this site. This must be accomplished by posting signs, creating entry obstructions, or taking other such action as necessary to prevent municipal solid waste from being deposited at this unauthorized site.
2. The site must have all municipal solid waste cleaned up no later than April 1, 1991.
3. Upon receipt of this letter, you must implement a program to control any mosquito problem as a result of the tires at this site.
4. Within 5 days of receipt of this letter, you must initiate the steps to bring this site into compliance with the MSWMR for a used and scrap tire storage or disposal site, or begin removal of the used and scrap tires from this site.
5. Prior to April 1, 1991, you must have submitted an application for a used and scrap tire storage or disposal site or submit a plan and time schedule for removal and proper disposition of the tires presently on site. If you do not register or permit the site as required, the tires must be removed from the property.

CORYELL COUNTY

Mr. Robert Bloom
Solid Waste - Coryell County

Page 3

Failure to properly close this site will constitute a further violation of the MSWMR and may result in the Department seeking legal relief in accordance with appropriate State statutes. The "Solid Waste Disposal Act" provides for administrative penalties of up to \$10,000.00 per day or court ordered civil penalties in the amount of not less than \$100.00 nor more than \$25,000.00 per violation per day of violation should legal relief be required. State law further provides that the Attorney General's office may recover reasonable attorney's fees in a suit of this type.

A follow-up compliance schedule for the tires will be sent to you after you have complied with item numbers 3, 4, and 5 of the above schedule or requested a written extension. A copy of excerpts of the MSWMR containing the used and scrap tire rules is enclosed for your use. If you are a used and scrap tire transporter in addition to having a stockpile of tires, then you must also obtain a transporter registration number.

If you have questions concerning the application for a registration you should contact Mr. Ronnie D. Moore, P.E., in Austin at (512) 458-7271. For questions concerning the application for a disposal permit, contact Mr. C. Wayne Lee, P.E., in Austin at (512) 458-7271.

If you have any questions concerning this letter, please do not hesitate to contact me.

Sincerely,



Oran S. Buckner, Jr., P.E., R.S.
Assistant Regional Director for
Environmental and Consumer
Health Protection

OSB:BEM:bw

Enclosure

ccs: Coryell County Health Authority
TDH, Bureau of Solid Waste Management

CORYELL COUNTY



U 2530

HSM-NLI-KAS
3-25-91
Coryell Co
No. 32094

TEXAS DEPARTMENT OF HEALTH
ENVIRONMENTAL AND CONSUMER HEALTH PROTECTION SERVICES
COMPLAINT/TECHNICAL ASSISTANCE REQUEST FORM

Bureau: ☐ Consumer Health ☐ Environmental Health ☐ Radiation Control ☒ Solid Waste Mgmt.
☐ Food & Drug ☐ Milk & Dairy ☐ Product Safety ☐ Shellfish San.
☐ Occ. Health ☐ Occ. Safety ☐ Gen. San. ☐ Water Hyg. ☐ Wastewater Tech.
☐ Lic., Reg. & Stan. ☐ Compl. & Insp. ☐ Env. Prog. Incident No. _____

Form of ~~Request~~ / Complaint: ☒ Telephone ☐ Written ☐ Visit ☐ Referral from: _____
Identification (Name): _____

Address: _____ Telephone: _____
City: _____ State: _____ Zip: _____

~~Request~~ / Complaint Site: Owner/Establishment Bob Bloom

Address Route 1 Telephone (817) 456-2525?
City Oglesby Zip 76561 Co. Coryell Region 1 No. _____
License/Regis./Permit _____

Description of Complaint/~~Request~~: Pags of garbage all around the house (mobile home) and in junk yard next door. Also dead horses in junk yard. Much of it is loose and around neighborhood. MR. Bloom owns automotive shop in town (heated via burner).
Location: Go through Oglesby turn Left on Ramsey. Trailer house on Reencor.

Person Receiving Complaint/~~Request~~: Ron Byrd Date: 2-5-91
Referred to: Ben E. Milford Date: 2-13-91
Investigated by: Ben E. Milford Date: 2-14-91

Disposition and Action Taken: See complaint, same data
Referred complainant (re: mistreatment of horses) to Humane Society of U.S. for County step:
2-14-91 Inspected site and found household wastes at the entrance to the property, a pile of tires at the northeast portion of the site, and scattered debris across the site. Also was several small ponies, and a large horse. The large horse looked like he was very old, or starving. The Humane Society of the US was contacted on 2-26-91 concerning the possible mistreatment of horses by this department. Letter sent 2-28-91 to Mr. Bloom

TEXAS DEPT OF HEALTH
1991 MAR - 7 PM
SOLID WASTE DIV

Follow-up Inspection? ☒ Yes ☐ No When? April 1, 1991 Notice Given? ☒ Yes ☐ No 30 days

Signed: Ben E. Milford Title: Geologist

Reviewed by: [Signature] Title: RSV

Distribution
White - Central Office
Canary - Region/Local Health

CORYELL COUNTY



TEXAS DEPARTMENT OF HEALTH
ENVIRONMENTAL AND CONSUMER HEALTH PROTECTION SERVICES

COMPLAINT TECHNICAL ASSISTANCE REQUEST FORM

No. _____

Bureau:

Consumer Health

Environmental Health

Radiation Control

Solid Waste Mgmt.

☐
☐
☐
☒

Food & Drug Milk & Dairy Product Safety Shellfish San.

Occ. Health Occ. Safety Gen. San. Water Hyg. Wastewater Tech

Lic., Reg. & Stan. Compl. & Insp. Env. Prog. Incident No.

Form of ~~Request~~

Complaint:

☒ Telephone ☐ Written ☐ Visit ☐ Referral from:

Identification (Name):

Address

Telephone

City

State

Zip

~~Request~~/Complaint Site: Owner/Establishment Bob Bloom

Address

Telephone (817) 456-

City

Zip

Co. Coryell

Region 1

License/Regis./Permit

No.

Description of Complaint/~~Request~~: Bags of garbage all around mobile home & in junk yard we
dump. Also dead horses in junk yard. Much of it is loose and blowing around neighborhood.
action.

Person Receiving Complaint/~~Request~~:

Ron Byrd

Date: 2-5-91

Referred to: Ben E. Milford

Date:

Investigated by: Ben E. Milford

Date: 2-14-91

Disposition and Action Taken: See same complaint same date.

Referred (mistreatment of horses) complaint to Humane Society of U.S. & OR County Sheriff.

Referred complaint (Re: dirty children) to TDHS (via Aunt Toler - TDH Temp).

(SEE COMPLAINT DATED 2-5-91)

Follow-up Inspection? Yes No When?

Notice Given? Yes No days

Signed:

Ben E. Milford

Title:

Geologist

Reviewed by:

W. J. Lewis

Title:

RSI

CORYELL COUNTY

Distribution

White - Central Office

Canary - Region/Local He

Pink - Originator

SURVEILLANCE AND ENFORCEMENT DIVISION
BUREAU OF SOLID WASTE MANAGEMENT
TEXAS DEPARTMENT OF HEALTH
UNAUTHORIZED SITE REPORT

7-18-91
PHC
Site #:
Region #:
County: CORYELL

Action Date: 7/2/91

***** GENERAL INFORMATION *****
Landowner(s): ROBERT BLOOM Operator(s):
Mailing Address: RT 1 Mailing Address:
OGLESBY, TX 76561 Street Address:
Telephone Number: (817) 456-2525 Telephone Number:
Site Location: 1 MILE SOUTH OF OGLESBY ON FM 1996 AT CURVE EAST SIDE
Person(s) Contacted: NONE
Person(s) Participating in Inspection: NONE
Purpose of Inspection: Enforcement / Comp. Sch. / Complaint / Court Order
TID Representative(s): NILKE MERTAGE, RS. Pictures Taken: Yes / No

***** INSPECTION RESULTS *****
Check the appropriate answer to each of the following questions. Explain answers on Comments Form. (Attach SEF.26 for Comments)

Yes	No	Unk	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A. Is the disposal operation being conducted by or with authorization from landowner?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B. Is there any indication that tipping fees are being charged?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	C. Is the site active and receiving waste?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	D. Is there any indication of groundwater or surface water contamination?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	E. Is there any indication that solid waste is burned at the site?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	F. Is waste being placed in unconfined water?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G. Are drainage controls provided?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H. Does site have means for fire protection?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I. Is the unloading of waste confined?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	J. Is access controlled?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	K. Is there significant windblown waste?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L. Is there a significant amount of waste on the access road?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M. Is scavenging being allowed?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N. Is waste being spread and compacted?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	O. Is adequate cover being applied?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	P. Is there any upgradient ponded water?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Q. Are there any odors?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	R. Are vectors present?

S. Description of solid waste being deposited: DEMOLITION & CONSTRUCTION, TIRES, RUBBISH, SOME WHITEGOODS,
T. Acres filled: 10 Approximate dimensions of active disposal area: 400 FT X 800 FT
U. Describe the general topography and soil conditions at the site (e.g. gravel or sand pit, rock quarry, on the ground, etc.)
TOPOGRAPHY - FLAT SOIL - UNK
V. Describe observed conditions such as locations of homes, water wells, etc., in the vicinity of the site:
LOCATION OF WATER WELLS UNKNOWN. NO HOMES ADJACENT TO PROPERTY.

W. What kind of equipment is on site? NONE
X. List known transporters (including mailing address) utilizing site on separate sheet. N/A
Y. Make a simple line drawing on separate sheet of paper keyed to photographs, showing the area of waste deposited, boundaries of site, nearby roads, streams, houses, water wells, etc. SEE USR

TID Representative's Signature [Signature] Date 7/9/91 DATED 2/14/91

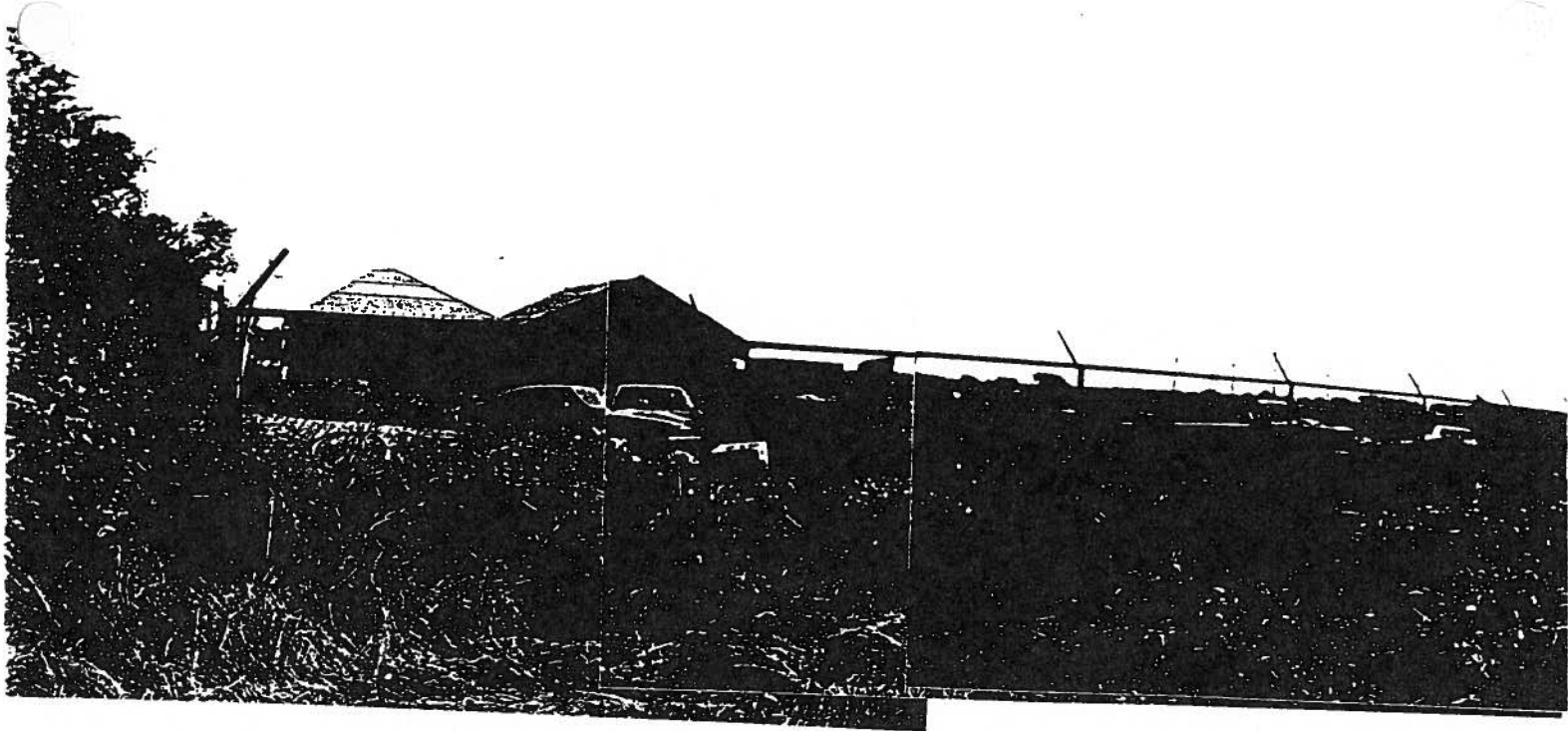
Date Last Inspection 2/14/91

Date Last Correspondence 2/26/91 Next Inspection Date 9/1/91

Comments: NO SUBSTANTIAL CHANGE FROM LAST INSPECTION. SENT STANDARD VIOLATION LETTER.

Distribution: White-Central Office Yellow-Region Page 1 of 1

CORYELL COUNTY
BLUOM PROPERTY
UNAUTHORIZED SITE # 050000
7-2-91 MIKE MERIAGE



CORYELL COUNTY



Texas Department of Health

Robert Bernstein, M.D., F.A.C.P.
Commissioner

Robert A. MacLean, M.D.
Deputy Commissioner

Public Health Region 1
2408 South 37th Street
Temple, Texas 76504-7168
(817) 778-6744
Fax (817) 778-4066

Chas. R. Webb, Jr., M.D., M.P.H.
Regional Director

July 10, 1991

Mr. Robert Bloom
Route 1
Oglesby, Texas 76561

Certified Mail
Return Receipt Requested

Subject: Solid Waste - Coryell County ✓
Unauthorized Site Approximately
1 Mi. S. of Oglesby on FM-1996 on E.
Side of Road

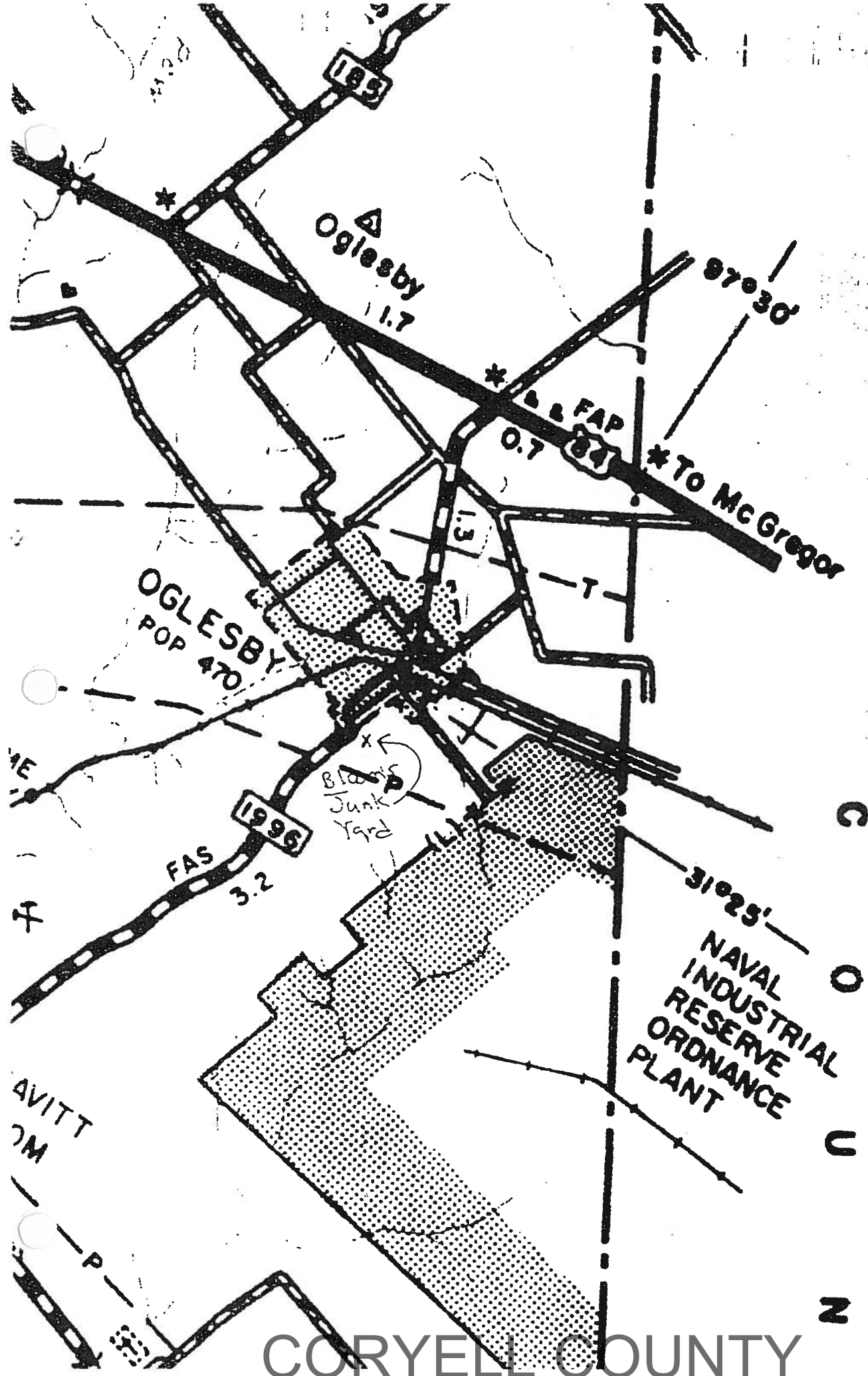
Dear Mr. Bloom:

On July 2, 1991, my representative, Mike Meriage, R.S., reinspected the unauthorized solid waste disposal site at the subject location. During the inspection it was found that the unauthorized site was still in violation of State law and requirements of the Texas Department of Health's "Municipal Solid Waste Management Regulations" (MSWMR).

This site still contains tires and other assorted solid waste materials. It must be brought into compliance with the conditions of MSWMR and previous correspondence prior to August 31, 1991.

Failure to comply with the terms of this letter will constitute a further violation of the MSWMR and may result in the Department seeking legal relief in accordance with appropriate State statutes. The "Solid Waste Disposal Act" provides for administrative penalties of up to \$10,000.00 per day or court-ordered civil penalties in the amount of not less than \$100.00 nor more than \$25,000.00 per violation per day of violation should legal relief be required. State law further provides that the Attorney General's office may recover reasonable attorney's fees in a suit of this type.

CORYELL COUNTY



CORYELL COUNTY

Closed Landfill Inventory
Central Texas Council of Governments

Site Identification

County	Coryell
Permitted Site Number	U2531

Location and Boundary

COG Confidence Level	50%
Latitude	31.4113 N
Longitude	97.7730 W
Narrative Location Description	1.9 miles south of SH 84 and George Rd. intersection
Boundary Description	No Deed Located
Basic Land Units	Tract 010300, Block 3027

Land Use	Vacant
----------	--------

Ownership Information

Current Property Owner(s)	Wanda Bates
Current Owner(s) Address	Unknown
Dates of Ownership	Unknown
Land Unit	4 acres

Site History and Current Status

Previous Owner(s)	Unknown
Dates of Operation	1989 – 1991
Enforcement History	Unknown
Types of Waste Disposed	Household Waste, Scrap Metal, furniture, Appliances

Reference Attachments

Texas Department of Health Complaint Form Dec. 1989
Texas Department of Health Site Report Dec. 1989
Site Map



32319

02531

TEXAS DEPARTMENT OF HEALTH
ENVIRONMENTAL AND CONSUMER HEALTH PROTECTION SERVICES
COMPLAINT/TECHNICAL ASSISTANCE REQUEST FORM

Co. CORYELL

No. 32319

Consumer Health ☐
Environmental Health ☒
Radiation Control ☐
Veterinary Pub. Hlth. ☐

Food & Drug ☐ Milk & Dairy ☐ Product Safety ☐ Shellfish San. ☐
Gen. San. ☐ Occ. Safety & Health ☐ Solid Waste Mgt. ☒ Water Hygiene ☐
Compl. & Insp. ☐ Lic., Reg. & Stan. ☐ Incident No.
Cooperative Meat Inspection ☐ Zoonosis Control ☐

Form of Request/

Complaint ☒ Telephone ☐ Written ☐ Visit ☐ Referral from: Identification (Name): Address Telephone City State Zip

Request/Complaint Site: Owner/Establishment ROY BATES

Address ROUTE 5 Telephone ()

City GATESVILLE Zip 76528 Co. CORYELL Region 1 License/Regis./Permit No.

Description of Complaint/Request: NEIGHBOR BRINGS JUNK, TRASH, ONTO PROPERTY, BLOWING ONTO COMPLAINANTS PROPERTY.

Person Receiving Complaint/Request: MYERS Date: 12-11-89

Referred to: Date: 12-11-89

Investigated by: MYERS Date: 12-12-89

Disposition and Action Taken:

BATES PROPERTY BEING USED AS ILLEGAL SITE, EST. 5 ACRES HAS WASTES ILLEGAL, SCATTERED. NO COVER, WINDBLOWN WASTES (COMPLAINT VERIFIED - PAPER ON PROPERTY TO W), WASTES OBSERVED - FURNITURE, APPLIANCES, BRUSH, METAL, HOUSEHOLD WASTE, WOOD, PLASTIC. 11-90 NO IMPROVEMENTS, OBSERVED A 40 YD OPEN TOP REAR DOOR CONTAINER WITH ABOUT 3 PIECES OF METAL FOR SALVAGE. MORE WASTES HAD BEEN DEPOSITED NEAR THE GATE. ATTEMPTED CONTACTING OWNER, NO ANSWER.

12-20-90 Roy Byrd inspected site briefly - 40 yd container was gone from the site.

12/91 See UNAUTHORIZED SITE FORM, attached.

Follow-up Inspection? Yes ☒ No ☐ When? 12/91 Notice Given? Yes ☐ No ☐ days

Signed: [Signature] Title: RS 7/5/91

Reviewed by: [Signature] Title: [Signature] Distribution White - Central Office

CORYELL COUNTY

7-17-91
PASKEB

SURVEILLANCE AND ENFORCEMENT BRANCH
DIVISION OF SOLID WASTE MANAGEMENT
TEXAS DEPARTMENT OF HEALTH
UNAUTHORIZED SITE REPORT

Site #: _____
Region #: 1
County: CORYELL

Inspection Date: 12-12-89

***** GENERAL INFORMATION *****
Landowner(s): WANDA BATES Operator(s): ROY BATES
Mailing Address: RT 3 GATESVILLE TX Mailing Address: SAME
76525
Street Address: _____
Telephone Number: (817) 865-8653 Street Address: _____
Site Location: 1.9 MILES S OF INT OF SH 84 & GEORGETOWN RD, GATESVILLE Telephone Number: SAME
Person(s) Contacted: _____
Person(s) Participating in Inspection: _____
Purpose of Inspection: Enforcement / Comp. Sch. / Complaint / Court Order Pictures Taken: Yes / No
Site Representative(s): EDWARD J. MYERS RS

***** INSPECTION RESULTS *****
Check the appropriate answer to each of the following questions. Explain answers on Comments Form.

Yes No Unk

- ☐ ☒ A. Is the disposal operation being conducted by or with authorization from landowner?
☐ ☒ B. Is there any indication that tipping fees are being charged?
☒ ☐ C. Is the site active and receiving waste?
☒ ☐ D. Is there any indication of groundwater or surface water contamination?
☒ ☐ E. Is there any indication that solid waste is burned at the site?
☒ ☐ F. Is waste being placed in unconfined water?
☒ ☐ G. Are drainage controls provided?
☒ ☐ H. Does site have means for fire protection?

Yes No Unk

- ☐ ☒ I. Is the unloading of waste confined?
☐ ☒ J. Is access controlled?
☒ ☐ K. Is there significant windblown waste?
☒ ☐ L. Is there a significant amount of waste on the access road?
☐ ☒ M. Is scavenging being allowed?
☐ ☒ N. Is waste being spread and compacted?
☐ ☒ O. Is adequate cover being applied?
☐ ☒ P. Is there any upgradient ponded water?
☒ ☐ Q. Are there any odors?
☐ ☒ R. Are vectors present?

Description of solid waste being deposited: HOUSEHOLD WASTE, FURNITURE, APPLIANCES, BRUSH, METAL, WOOD, PLASTICS AND TIRES

Acres filled: 5 Approximate dimensions of active disposal area: 700 x 300

Describe the general topography and soil conditions at the site (e.g. gravel or sand pit, rock quarry, on the ground, etc.)
ROCKY SURFACE SOIL, SUBGRADE UNKNOWN. SMALL EXCAVATIONS INDICATE A HIGH CONTENT OF FRACTURED ROCK

Describe observed conditions such as locations of homes, water wells, etc., in the vicinity of the site:
THE SITE IS LOCATED DUE SW OF TWO RESIDENCE, ONE DEFINITELY AN ACTIVE RESIDENCE, THE SECOND IS QUESTIONABLE AS TO OCCUPANCY. WATER DATA UNAVAILABLE. THE PROPERTY SLOPES TO THE WEST. NO COVER IS APPLIED, THEREFORE HIGH POSSIBILITY OF SURFACE WATER CONTAMINATION

What kind of equipment is on site? NONE

List known transporters (including mailing address) utilizing site on separate sheet.

Make a simple line drawing on separate sheet of paper keyed to photographs, showing the area of waste deposited, boundaries of site, nearby roads, streams, houses, water wells, etc.

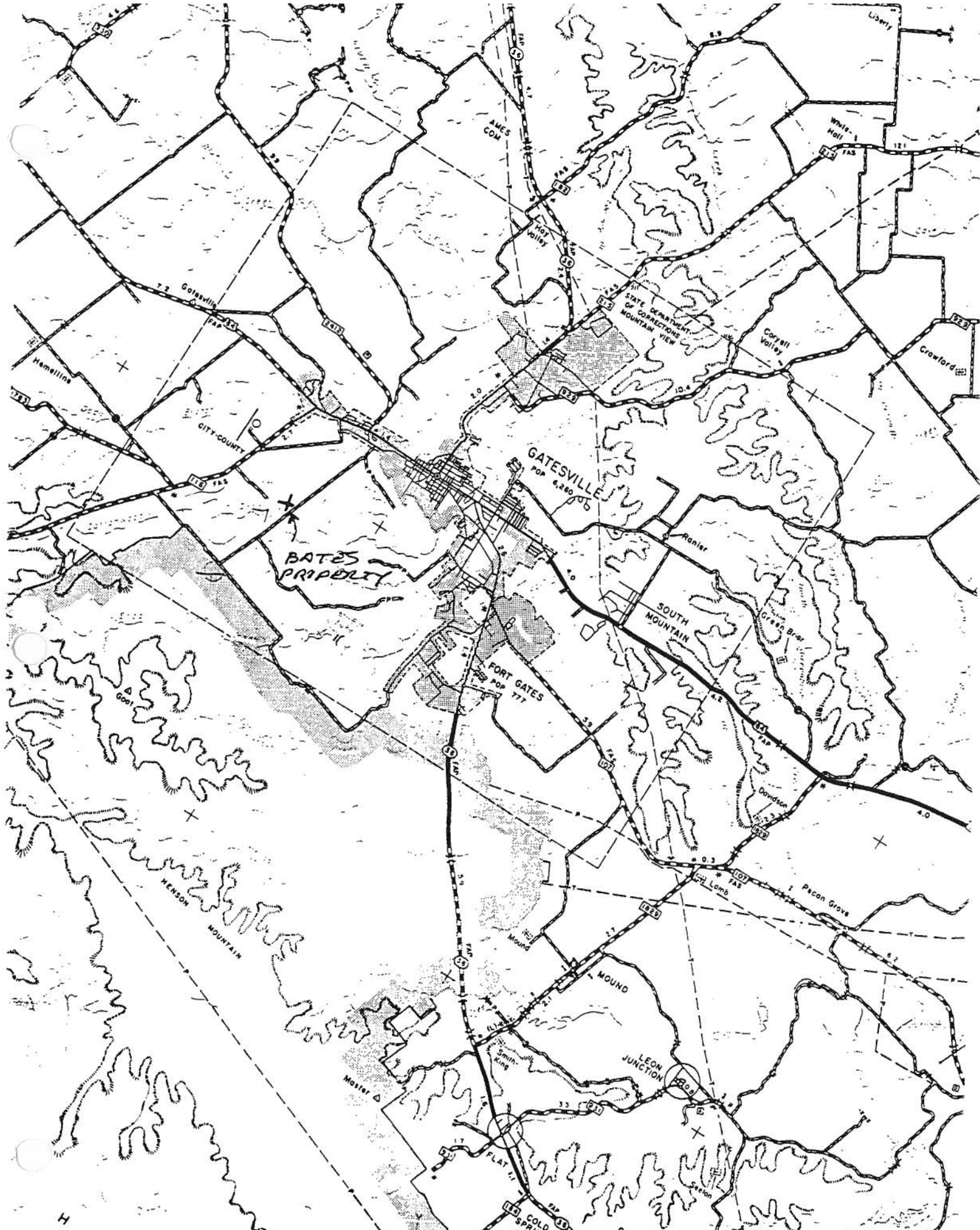
Site Representative's Signature Edward J. Myers Date 12-21-89

Last Correspondence _____ Next Inspection Date FEB 90

Station: White-Central Office Yellow-Region

(SE25 11/04/87)

SOLID WASTE
JUL 12 11 7:39
CORYELL COUNTY



CORYELL COUNTY

EXHIBIT 1

Description of Property

Closed Landfill Inventory Central Texas Council of Governments

Site Identification

County Coryell
Permitted Site Number P180

Location and Boundary

COG Confidence Level 50%
Latitude 31.5112 N
Longitude 97.7230 W
Narrative Location Description 1.5 miles north on FM 215 from the SH 36 exit. Landfill is on the left side of FM 215 across from the church in a fenced area.
Boundary Description See Deed
Basic Land Units Tract 010200, Block 3017

Land Use Residential

Ownership Information

Current Property Owner(s) City of Gatesville
Current Owner(s) Address 11 North 8th, Gatesville, TX 76528
Dates of Ownership Unknown
Land Unit 67.89 acres

Site History and Current Status

Previous Owner(s) Unknown
Dates of Operation 1960's – April 12, 1985 (Permit issued 5/25/76)
Enforcement History Final Cover – 12/30/87
Types of Waste Disposed Transfer Station

Reference Attachments

Deed June 1973
Status of Landfill Research Form Oct. 1999
TNRCC Memo Regarding Permit Revocation May 2000
TNRCC Revocation of Permit May 2000
TNRCC Letter Regarding Permit Revocation July 2000
City of Gatesville, Tax Assessor Valuation July 2000

p180

this Agreement and Contract, MARSHALL WAYNE SIMMONS

GRANT, hereinafter called Seller, hereby sell and agree unto the CITY OF GATESVILLE, TEXAS, hereinafter called , the following described property:

proximately 70 acres of land out of the Samuel Riggs Survey in Coryell County, Texas, and being part of that certain property conveyed by William S. Bigham and wife, Helen Bigham to Marshall Wayne Simmons and Garnett S. Grant by deed dated February 10, 1973, recorded at Vol. 296 Page 471 of the Deed Records of Coryell County, Texas, and more particularly described as follows: beginning at a point which is situated on the ground 60 feet left of L Station 36 + 05 of F M Highway 215 in Coryell County, Texas, and from said point North 72 degrees 17 minutes West along the Samuel Riggs Survey line 778.0 feet and then North 72 degrees 39 min. East 5998.0 feet to a 3/8 inch iron pin in the South line of the U. D. Williams Survey, Abstract No. 1115 for the beginning point of this tract; Thence North 16 deg 39' E 1400 feet to a 3/8 in. iron pin in the South line of the U. D. Williams Survey, Abstract No. 1115; Thence N. 77 deg 03' West 21.0 feet to a 3/8 " iron pin for corner; Thence N 37 deg 03' E 1402.0 feet with an old fence line the occupied West line of the Jimmie Wayne Price (called 65 acres) tract to a 3/8" iron pin set for his Northwest corner; Thence S 77 deg 22' E 1494.0 feet with an old fence to a 3/8" iron pin set in the West right of way line of F.M. Highway No. 215; Thence with said right of way line as follows S 38 deg 09' W 201.04 feet; S 35 deg 18' W 196.07 feet to the point of a curve whose radius is 2221.83 and interior angle 4 deg 16'; around said curve to the right at a distance of 170.63 feet; S 35 deg 05' W 97.67 to a point on a curve whose radius is 2231.83 and interior angle is 3 deg 09'; along said curve to the right a distance of 126.1 feet to a 3/8" iron pin for a corner; Thence N 9 deg 49' W 150.4 feet to a 3/8 inch iron pin for a corner; Thence S 77 deg 05' W 168.8 feet Thence S 8 deg 55'

CORYELL COUNTY

E 37 deg 22' W 220.0 feet to a 3/8" iron pin for a corner; Williams Survey, Abstract No. 1115; Thence N 87 deg 03' West 21.0 feet to a 3/8" iron pin for a corner; Thence N 37 deg 03' E 1402.0 feet with an old fence line the occupied West line of the Edna Wayne Price (called 65 acres) tract to a 3/8" iron pin set for his Northwest corner; Thence N 77 deg 22' E 1494.0 feet with an old fence to a 3/8" iron pin set in the West right of way line of M. Highway No. 215; Thence with said right of way line as follows S 38 deg 09' W 201.04 feet; S 35 deg 03' W 196.07 feet to the point of a curve whose radius is 2221.83 and interior angle 4 deg 16'; go around said curve to the right at a distance of 70.63 feet; S 35 deg 05' W 97.67 to a point on a curve whose radius is 2231.83 and interior angle 3 deg 09'; along said curve to the right a distance of 126.1 feet to a 3/8" iron pin for a corner; Thence N 9 deg 49' W 150.4 feet to a 3/8 inch iron pin for a corner; Thence S 77 deg 05' W 168.8 feet to a 3/8" iron pin for corner; Thence S 8 deg 55' W 246.0 feet to a 3/8 inch iron pin set in the West right of way of F.M. No. 215 for a corner on a curve whose radius is 2231.83 feet and interior angle is 6 deg 30'; Thence along said West right of way line of F.M. Road 215 around said curve to the right 242.29 feet; Thence S 56 deg 48' West to a point on said right of way which is on a line parallel to the North line of the subject tract

thence in a westerly direction on a line to such Northern boundary to the place of beginning.

The subject property will be surveyed and the actual conveyance will be made from the field notes determined from such survey.

The purchase price is \$550.00 per acre and the total purchase price shall be determined by the total number of acres determined in the subject survey mentioned above. Such purchase price shall be paid in cash at the time of closing of this transaction.

Seller agrees to furnish Purchaser their General Warranty deed and a Title Policy thereby conveying to Purchaser the subject property free and clear of any lien or encumbrances.

Because of the contemplated use by the City of Gatesville of the subject property which will require public hearing concerning such use and approval by the State Department of Health, this contract is contingent and binding upon the City of Gatesville unless the public hearing would result in a decision which would prevent the use by the City of Gatesville of the subject property for the intended purpose or approval by the City of Gatesville could not be obtained from the Texas State Department of Health of the subject property for the intended use.

The parties hereto contemplate that this sale should be consummated within 90 days from the date of this instrument and

CORYELL COUNTY

property free and clear of any lien or encumbrances .

Because of the contemplated use by the City of Gatesville of the subject property which will require public hearing concerning such use and approval by the State Department of Health, this contract is contingent and binding upon the City of Gatesville unless the public hearing would result in a decision which would prevent the use by the City of Gatesville of the subject property for the intended purpose or approval by the City of Gatesville could not be obtained from the Texas State Department of Health of the subject property for the intended use.

The parties hereto contemplate that this sale should be consummated within 90 days from the date of this instrument and fix the date for closing this transaction at not later than such date. They have also agreed that time is of the essence concerning the purchase and sale referred to herein.

Seller shall pay to Buyer the prorated part of the 1973 taxes up to the date of closing of this transaction.

Should either Purchaser or Seller fail to consummate the contract as specified for any reason, except title defects which

CORYELL COUNTY

not be cured by Seller within a reasonable time or because of
two contingents recited above which could not be remedied by
City, either party may enforce specific performance of this
contract.

It is agreed and understood that the survey referred to
above would not be purchased by Seller except for this contract
with the City of Gatesville. In the event that this contract is
consummated by the conveyance contemplated herein, Purchaser shall
reimburse Seller for the expenses incurred in such survey.

Witness our hands this 19th day of June, 1973.

By: 

Marshall Wayne Simmons and Garnett
Grant

By: 

The City of Gatesville, Texas,
Mayor, Bob Miller

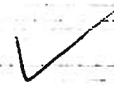
PROVED AS TO FORM AND CONTENT


Edwin E. Powell, Jr.
City Attorney

CORYELL COUNTY

City of Catsville

Status of Landfill Research Form



Permit No. 180 Issue Date 5-25-⁷⁶~~88~~ County Coryell Permitted Acres 70

Technical Pkg Submitted for Permit? Yes _____ File Loc. _____ No _____

Date Closed to Waste Recpt. _____ File Loc. _____

Date of Final Cover Inspection 12-30-87 File Loc. Fish

*Date Affidavit(s) Approved 5-23-88 Acreage Closed 225 Acres
13 of 67. --- Acres
(If none, please indicate so)

File Loc. Fish

Closure Plan Exists? Yes _____ File Loc. _____ No _____

Date Closure Plan Approved _____ File Loc. _____

Date(s) Post Closure Started 5-23-88, _____ File Loc. _____

Date(s) Post Closure Ends 93 * 1994
1995, _____ File Loc. _____

Length of Post Closure Period: 5 yrs. _____ 30 yrs. _____ Other (no. of yrs.) 6

*File Closed Date 4-19-85 File Loc. Fish
(If none, please indicate so)

*Date of "Inactive Status" Acknowledgment Letter _____ File Loc. _____
(If none, please indicate so)

Name of Researcher Mr. Paul

Date Research Conducted 10/27/99

* copy needed

mm

Texas Natural Resource Conservation Commission

INTEROFFICE MEMORANDUM

To: Robert J. Huston, Chairman
R.B. "Ralph" Marquez, Commissioner
John M. Baker, Commissioner

Date: May 17, 2000

Thru: Jeffrey A. Saitas, P.E.
Executive Director

From: Dorca Zaragoza-Stone, Manager
Municipal Solid Waste Section
Waste Permits Division
5/17/00

Subject: Revocation of Municipal Solid Waste Permit
City of Gatesville
Permit No. MSW - 180

Pursuant to 30 Texas Administrative Code (TAC) §305.67(b), you are hereby notified of the revocation of Municipal Solid Waste Permit No. MSW - 180, issued to the City of Gatesville in Coryell County, Texas. The permittee requested revocation of the permit in accordance with 30 TAC §305.67.

TEXAS NATURAL
RESOURCE CONSERVATION
COMMISSION
200 MAY 18 AM 9:12
CHIEF CLERKS OFFICE

cc: Leigh Ing, Deputy Director, Office of Permitting, Remediation & Registration
Dale Burnett, Director, Waste Permits Division

CORYELL COUNTY

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION



REVOCATION OF
MUNICIPAL SOLID WASTE PERMIT NO. MSW- 180
ISSUED TO CITY OF GATESVILLE

The City of Gatesville has requested revocation of Municipal Solid Waste Permit No. MSW-180 for a municipal solid waste facility in Coryell County, Texas. The permit was issued for the construction and operation of a municipal solid waste landfill.

NOW THEREFORE, BE IT ORDERED that Permit No. MSW- 180 is hereby REVOKED.

APPROVED, ISSUED AND EFFECTIVE in accordance with 30 Texas Administrative Code, Section 305.67.

ISSUED DATE: **MAY 24 2000**



For the Commission

CORYELL COUNTY

Robert J. Huston, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Jeffrey A. Saitas, *Executive Director*



TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

July 5, 2000

City of Gatesville
110 North 8th Street
Gatesville, TX 76528

Re: City of Gatesville's Request to Cancel M.S.W. Permit No. 180
Municipal Solid Waste Management Facility
Coryell County, Texas

Dear Permittee:

As you requested, this letter revokes Municipal Solid Waste Permit No. 180. You recently requested voluntary cancellation of this municipal solid waste permit. Voluntary revocation is allowed under 30 Texas Administrative Code §305.67. No penalties are pending and no fees are due regarding this permit. Therefore, your request has been approved. Your cooperation in this matter is greatly appreciated.

If we can be of service to you in the future regarding municipal solid waste management, please feel free to contact the Municipal Solid Waste Permits Section at (512) 239-6781.

Sincerely,

A handwritten signature in cursive script that reads "Dorca Zaragoza-Stone".

Dorca Zaragoza-Stone, Manager
Municipal Solid Waste Permits Section
Waste Permits Division

DZS/JM/ff

NAME	LEGAL DESCRIPTION	EXEMPTIONS	IDENTIFICATION
CITY OF GATESVILLE	859 S RIGGS	**CONST EX	PCL: R-07096
110 NORTH 8TH STREET	EXEMPT		GEO: 0-52-077000
GATESVILLE TX 76528	CITY DUMP		
CITC06193	LEGAL ACRES: 67.890		

DESC	YR	HS	DP	ACPL	SGFT	CPSF	VALUE	JURISDICTIONS	DIMENSIONS
					0	.00	0	GATESVILLE	
*** TOTAL VALUE							0	CORYELL COU	

SP: AAAAAAAAAA

---fea---desc-----sqft-----cpst-----value---sqft break---

PREV OWNER

SCALE 1' 10 FT CARD 1 OF 1

NOTES	APPRAISED BY	APPR DATE	CHECKED BY	USED INFO
		1999-01-12		

FRONT	REAR	STD DEPT	CODE	OF BASE	DU	(*)	(-)	HS DESC	LOT VALUE

MKT CODE	ACRES	HS	RD	CPMKT	CPMKG RD	TOP	ZON	ACC	UTL	LOC	ASCD	YR	ABVAL	MARKVAL
	67.890			1,000									67,890	

TOTACS: 67.890 PART/LARGER: .000 MKTADJ: .00 TOTAL MARKET: 67,890

YEAR	MARKET	LAND	PRD	FRNT	PERG	TOTAL VALUES
1999	0	67,890	0	0	0	67,890
2000	0	67,890	0	0	0	67,890
CHANGE	()	0 : ()	0 : ()	0 : ()	0 :	0 :
2000	[1]	0 : [X2]	67,890 : []	0 :	0 : []	0 :
MARKET	0	67,890	0	0	0	67,890

CORYELL COUNTY

EXHIBIT 1

Description of Property

Closed Landfill Inventory Central Texas Council of Governments

Site Identification

County Coryell
Permitted Site Number P422

Location and Boundary

COG Confidence Level 50%
Latitude 31.0961 N
Longitude 97.9035 W
Narrative Location Description 1.5 miles south of Copperas Cove on FM 116
Boundary Description See Deed
Basic Land Units Tract 010801, Block 3068

Land Use Vacant

Ownership Information

Current Property Owner(s) City of Copperas Cove
Current Owner(s) Address P.O. Drawer 1449; Copperas Cove, TX 76522
Dates of Ownership 01/01/1966 – 02/17/1982
Land Unit 15.74 - 37.5 acres

Site History and Current Status

Previous Owner(s) William E. Hattaway and Mr. Dolph Moten
Dates of Operation 1/1/66 – 2/17/82
Enforcement History 7/22/75 – Issued citation for discharge into Clear Creek (TWDB)
Types of Waste Disposed Solid Waste

Reference Attachments

Warranty Deed June 1957
Texas Department of Health Letter Regarding Inspection April 1979
Status of Landfill Research Form Oct. 1999
TNRCC Letter Regarding Post-Closure Care March 2000
Tax Appraiser Property Valuation July 2000

p 422

Warranty Deed

GEORGE WEEMS, ET UX

TO
CITY OF COOPERAS COVE

FILED FOR RECORD

This day of A. D. 19

FILED FOR RECORD M.

AT 0 CLOCKS M.

By JUN 24 1957 County Clerk.

RECORDED Deputy.

In CORYELL CO., TEXAS, A. D. 19

In Book County Records

By County Clerk.

Recording Fee \$ 1.50

This instrument should be filed immediately with the
County Clerk for record.

CORYELL COUNTY

SINGLE ACKNOWLEDGMENT

THE STATE OF TEXAS,
COUNTY OF

BEFORE ME, the undersigned, a Notary Public in and for said County and State, on this day personally appeared
known to me to be the person whose name subscribed to the foregoing instrument, and acknowledged
he executed the same for the purposes and consideration therein expressed
GIVEN UNDER MY HAND AND SEAL OF OFFICE this the day of A.

(L. S.)

Notary Public in and for Co

WIFE'S SEPARATE ACKNOWLEDGMENT

THE STATE OF TEXAS,
COUNTY OF

BEFORE ME, the undersigned, a Notary Public in and for said County and State, on this day personally appeared
, wife of , known to me to be the person
subscribed to the foregoing instrument, and having been examined by me privily and apart from her husband, and having
fully explained to her, she, the said acknowledged such
be her act and deed, and she declared that she had willingly signed the same for the purposes and consideration therein
and that she did not wish to retract it.
GIVEN UNDER MY HAND AND SEAL OF OFFICE this the day of A.

(L. S.)

Notary Public in and for

JOINT ACKNOWLEDGMENT

THE STATE OF TEXAS,
COUNTY OF Coryell

BEFORE ME, the undersigned, a Notary Public in and for said County and State, on this day personally appeared

GEORGE WEEMS

LILL Y WEEMS,

known to me to be the persons whose names are subscribed to the foregoing instrument, and acknowledged to me
executed the same for the purposes and consideration therein expressed, and the said
LILL Y WEEMS, wife of the said GEORGE WEEMS,

LILL Y WEEMS

having been examined by me privily and apart from her husband, and having the same fully explained to her, she, the
LILL Y WEEMS, acknowledged such instrument to be her
she declared that she had willingly signed the same for the purposes and consideration therein expressed, and that she

CORYELL COUNTY

JOINT ACKNOWLEDGMENT

THE STATE OF TEXAS,
COUNTY OF Coryell

BEFORE ME, the undersigned, a Notary Public in and for said County and State, on this day personally appear

GEORGE WEEMS

LILL Y WEEMS,

known to me to be the persons whose names are subscribed to the foregoing instrument, and acknowledged to me that they executed the same for the purposes and consideration therein expressed, and the said

LILL Y WEEMS

, wife of the said

GEORGE WEEMS,

having been examined by me privily and apart from her husband, and having the same fully explained to her, she, the said **LILL Y WEEMS,** acknowledged such instrument to be her act and she declared that she had willingly signed the same for the purposes and consideration therein expressed, and that she did retract it.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this the 20, day of June

Marjorie L. Baker
Notary Public in and for Coryell

THE STATE OF TEXAS,
COUNTY OF Coryell

I HEREBY CERTIFY that the foregoing instrument of writing, with its certificate of authentication, was filed my office on the 24th day of June, A. D., 1957 at 8:00 o'clock and was duly recorded by me on the 25th day of June, A. D., 1957 in Vol. 202 page 233-234, of the Records of Deeds of said County.

WITNESS MY HAND and the Seal of the County Court of said County, at my office in Gatesville the day and year last above written.

(L. S.)

Ante
County Clerk Coryell
By Manda Ruiz

CORYELL COUNTY

once S 70 deg. E with sa d North line 685 varas to the place
ing, containing 37.5 acres of land as surveyed on the ground
Donald, Registered Public Surveyor on May 29, 1956.
nd being the same property conveyed to George Weems by E. M.
and and wife, Sue Strickland, by deed dated May 29, 1956, and
d in Vol. 199, pages 236-37, Deed Records of ~~Jefferson~~ County,

TO HAVE AND TO HOLD the above described premises, together with all and singular the rights and
City of Copperas Cove, and 1

CORYELL COUNTY

AVE AND TO HOLD the above described premises, together with all and singular the rights and ap-
es thereto in anywise belonging unto the said City of Copperas Cove, and its
sors.

assigns forever and we do hereby bind ourselves, our
cutors and administrators, to Warrant and Forever Defend, all and singular the said premises unto the
City of Copperas Cove, and its successors

I assigns, against every person whomsoever lawfully claiming, or to claim the same, or any part thereof
TNES our hand s at Copperas Cove, Texas,

18th

day of

June,

, A. D. 1957.

s at request of Grantor:



George Weems
(George Weems)
Lilla Weems
(Lilla Weems)

CORYELL COUNTY

5190

State of Texas,
County of CORYELL

Know all Men by These Presents

That we, GEORGE WEEMS and wife, LELLA WEEMS,

County of Coryell, State of Texas, for and in consideration of the sum of

ONE THOUSAND FIVE HUNDRED FIFTY AND NO/100 (\$1,550.00)-----

US in hand paid by the City of Copperas Cove, Texas Municipal Corporation, the receipt and sufficiency of which is hereby acknowledged and confessed and for which no lien, either implied, is retained or shall exist;

Granted, Sold and Conveyed, and by these presents do Grant, Sell and Convey, unto the said

CITY OF COPPERAS COVE,

of the County of Coryell, State of Texas, all that certain tract of land lying and being situated in Coryell County, Texas, out of the Fred Graham Survey, being a part of 162.4 acres of land conveyed by Max Kreigel, et ux to E. M. Strickland, by deed recorded in Vol. page 535, Deed Records of Coryell County, Texas, and described by metes and bounds as follows:

Beginning at the NE corner of the Fred Graham Survey and the fence corner of the Strickland 162.4 acre tract;

Thence S 19 deg. W with the E line of the Survey and the east fence line of said tract 575 varas to the NE line of the Copperas Cove and Oakalla Road;

Thence with the line of the road as follows: N 43 deg. 15 min. W 120 vrs; N 35 deg. W 96 vrs; N 26 deg. 40 min. W 615 varas; N 34 deg. W 76 vrs to the North line of the Fred Graham Survey and the north fence line of the Strickland tract;

CORYELL COUNTY

High Chapparral

422 ?



ZBG
Gaf

Texas Department of Health

Raymond T. Moore, M.D.
Commissioner

Philip W. Mallory, M.D.
Deputy Commissioner

John Wellman, M.D., Dr.P.H.
Regional Director

Public Health Region 6
P. O. Box 190
Temple, Texas 76501

Members of the Board

Robert D. Moreton, Chairman
William J. Foran, Vice-Chair
Roderic M. Bell, Secretary
Johnnie M. Benson
H. Eugene Brown
Ramiro Casso
Charles Max Coie
Francis A. Conley
Ben M. Durr
William J. Edwards
Raymond G. Garrett
Bob D. Glaze
Blanchard T. Hollins
Donald A. Horn
Maria LaMantia
Philip Lewis
Ray Santos
Royce E. Wisenbaker

April 18, 1979

Mr. William E. Hattaway, Co-Owner
Mr. Dolph Moten, Co-Owner
High Chapparral Estates
P.O. Box 276
Copperas Cove, Texas 76522

Subject: Solid Waste - Coryell County
Promiscuous Disposal Site
Within High Chapparral Estates

90706

Gentlemen:

On February 6, 1979, our representative, Mr. Earl A. Ballman, P.E., inspected the subject promiscuous disposal site pursuant to a complaint received by this office. A letter recommending corrective measures was mailed to you on February 15, 1979. Mr. Hattaway responded to the letter on February 28, 1979 indicating that "No Dumping" signs would be posted and that materials in the site would be covered.

On April 5, 1979, Mr. Ballman and Mr. John D. Lattimore, R.S., conducted a followup inspection of the site. Adequate cover had not been placed over all materials within the site. Although the signs had been posted, promiscuous dumping was still observed. Only soil, dirt, rock, sand, and other man-made inert materials may be used to fill land if the object of the fill is to make the land suitable for the construction of surface improvements.

The primary responsibility for control of promiscuous dumping at this site lies with the landowners. The following recommendations must be implemented:

1. All presently exposed refuse should be properly disposed of by placement in an excavation and covered with a minimum of two feet of compacted earth or hauled to an acceptable sanitary landfill for disposal.
2. Utilize signs and possibly fencing to eliminate further dumping.

CORYELL COUNTY

Texas Department of Health

AUSTIN

TEXAS

INTER-OFFICE

FROM Earl A. Ballman, P.E.

TO

TO: G. R. Herzik, Jr., P.E.

FOR: Jack C. Carmichael, P.E.

SUBJECT Solid Waste - Coryell County
Promiscuous Disposal Site
High Chaparral Estates

90406

Ms. Kris Randolph, 1201 Leaf Circle, Copperas Cove, Texas, Office (817) 547-6355, Home (817) 547-8403, called by telephone to complain of promiscuous dumping allowed by owners, Dolph Moten and William E. Hattaway, in an abandoned rock quarry in the High Chaparral Estates outside of the Copperas Cove City limits, Coryell County. The writer met with Ms. Randolph at the subject site on February 6, 1979. Mr. William E. Hattaway, 307 West Highway 190, P. O. Box 276, Copperas Cove, Texas, (817) 547-7511, was contacted on the complaint on February 6, 1979. He stated he, together with Dolph Moten, owns the site and readily admitted that dumping was taking place at the site. He said little or no garbage was being dumped and was not aware that any law was broken. He said he would do anything that the State requires him to do. Ms. Randolph was informed on February 9, 1979 of our meeting with Mr. Hattaway. Attached is a copy of our letter dated February 15, 1979 to Mr. Hattaway. This is for your information.

Approved: 8129

Thomas D. Tiner, P.E.

EAB/mc

Attachment



CORYELL COUNTY

SIGNED

Earl A. Ballman

Status of Landfill Research Form

AG
14-

21

Permit No. 422 Issue Date not found County Coryell Permitted Acres not found

Technical Pkg Submitted for Permit? Yes File Loc. No

Date Closed to Waste Recpt. closed prior to Feb 1982 TDH letter File Loc. micro fiche #3

Date of ^{closure} Final Cover Inspection File Loc.

*Date Affidavit(s) Approved 26 March 1982 Acreage Closed 37.5
(If none, please indicate so)

File Loc. microfiche # 3, col 10, row 5

Closure Plan Exists? Yes File Loc. not found No

Date Closure Plan Approved File Loc. not found

Date(s) Post Closure Started not found File Loc.

Date(s) Post Closure Ends ^{ed} not found File Loc.

Length of Post Closure Period: 5 yrs. 30 yrs. Other (no. of yrs.)

*File Closed Date microfiche #6 shows a sep't 1983 TDH letter stating file is closed. File Loc. col. 8 row 1 microfiche #6
(If none, please indicate so)

*Date of "Inactive Status" Acknowledgment Letter not found File Loc.
(If none, please indicate so)

Name of Researcher A Gordon

Date Research Conducted 10-26-99

* copy needed

- scattered information
- ~~leachate~~ leachate seeps seemed to
piling post closure cone, but
time frame N/A

(F)

CORYELL COUNTY

MM

Robert J. Huston, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Jeffrey A. Saitas, *Executive Director*



TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

March 24, 2000

COPPERAS COVE, CITY OF
PO DRAWER 1449
COPPERAS COVE, TEXAS 76522

Subject: Completion of Post-Closure Care Period and Permit Expiration, Permit No. 00422

Dear Landfill Permittee:


A recent research of the Texas Natural Resource Conservation Commission (TNRCC), Municipal Solid Waste central records reveal the the subject municipal solid waste (MSW) facility has completed the post-closure care maintenance requirements established by rules in effect during the operational life of this site. Therefore, this site is eligible to exit the post-closure care maintenance period.

As this site has satisfied all post-closure care maintenance requirements, the permit for this facility has now expired by its own terms. No additional waste disposal activities may be conducted at this site unless they are authorized by a new MSW permit.

Your cooperation in maintaining this closed site is greatly appreciated. Any future maintenance problems that arise are the Permittee's responsibility to correct as soon as practical.

If you have any questions concerning this matter, please contact the Municipal Solid Waste Permits Section at 512/239-6724.

Sincerely,


Dorca Zaragoza-Stone, Manager
MSW Permits Section
Waste Permits Division

DZS/lcs

CORYELL COUNTY

NAME	LEGAL DESCRIPTION	EXEMPTIONS	IDENTIFICATION
------	-------------------	------------	----------------

CITY OF COPPERAS COVE	1325 G S DOWNS	**CONST EX	PCL: R-28630
P O BOX 1449	LEGAL ACRES: 15.724		GEO: 1-97-480160
COPPERAS COVE TX 76522			ALT: 20560

SP: AAAAAAAAAA

DESC	VR	HS	DP	ACPL	SAFT	CPSF	VALUE	JURISDICTIONS	DIMENSIONS
*** TOTAL VALUE					0	.00	0	COPPERAS CO	
							0	BELL COUNTY	
-fea-	-desc-	-sqft-	-cpsf-	-value-	-sqft-	-break-		OVL	

PRED OWNER

SCALE 1' 10 FT CARD 1 OF 1

NOTES	APPRAISED BY	APPR DATE	CHECKED BY	DEED INFO
40 AC LONAS RODANDO SO 1ST EXT, AC TO SEVERAL PEOPLE & DEER	JS	1969-01-01	JS	

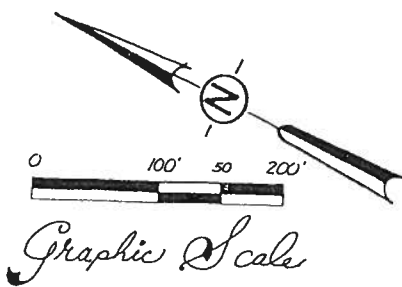
FRONT	REAR	STD	DEPT	CODE	CF/BLSE	OU	(*)	(-)	HS	DESC	LOT VALUE
									Y		
									Y		

MKT CODE	ACRES	HS	RD	CPANKT	CPANG	RD	TOP	ZON	RCC	UTL	LOC	ASCD	VR	PRML	MARKET
NGS	15.724	Y		900	72									1,132	14,152
TOTACS:	15.724	PART/LARGER:		.000										TOTAL MARKET:	14,152

ARTEL	MAP	RIGHT	USE	MTS	UOL	PAGE	DATE	SALEDT	SUBMITTED BY
									user: DARRELL
									date: 2000-07-03

MARKET	LAND	PRCD	FRMT	PERS	TOTAL VALUES
MARKET	0	23,590	0	0	23,590
1999	0 :	23,590 :	0 :	0 :	23,590 :
CHANGE	()	0 : ()	0 :	0 : ()	0 :
2000	[]	0 : [X2]	0 :	0 : []	23,590 :
MARKET	0	23,590	0	0	23,590

CORYELL COUNTY



Legend
ORIGINAL NATURAL GROUND ——— 1040 ———
HILL SURFACE SEPT. 1975 - - - - - 1050 - - - - -
PROPOSED GRADING ——— ——— ———

DEVIATION OF FENCE
FROM PROPERTY LINE

WATER IMPOUNDED BY
BURIAL FILL TO BE
RELEASED.

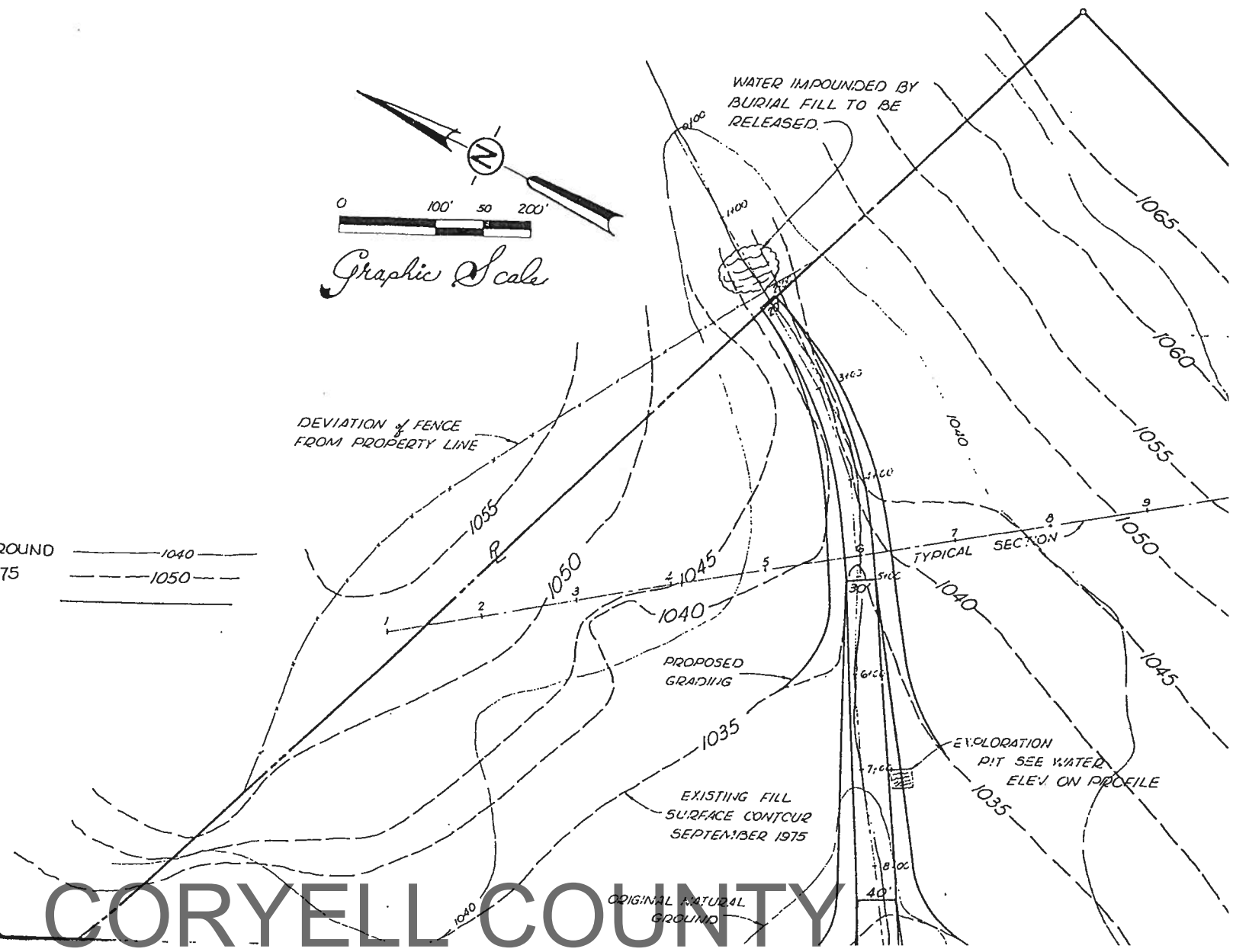
TYPICAL SECTION

PROPOSED
GRADING

EXISTING FILL
SURFACE CONTOUR
SEPTEMBER 1975

EXPLORATION
PIT SEE WATER
ELEV. ON PROFILE

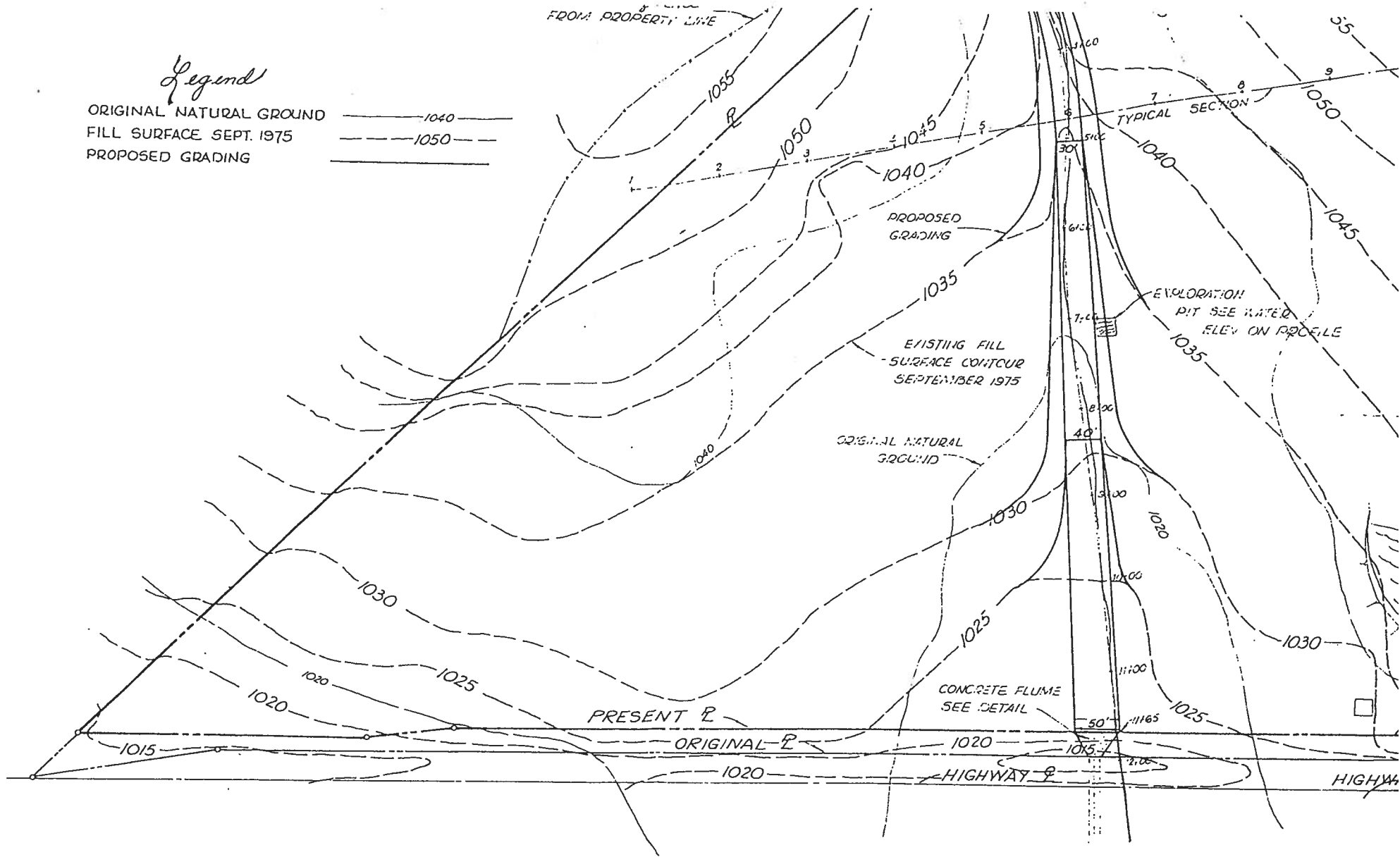
CORYELL COUNTY



Legend

ORIGINAL NATURAL GROUND ——— 1040 ———
 FILL SURFACE SEPT. 1975 - - - 1050 - - -
 PROPOSED GRADING _____

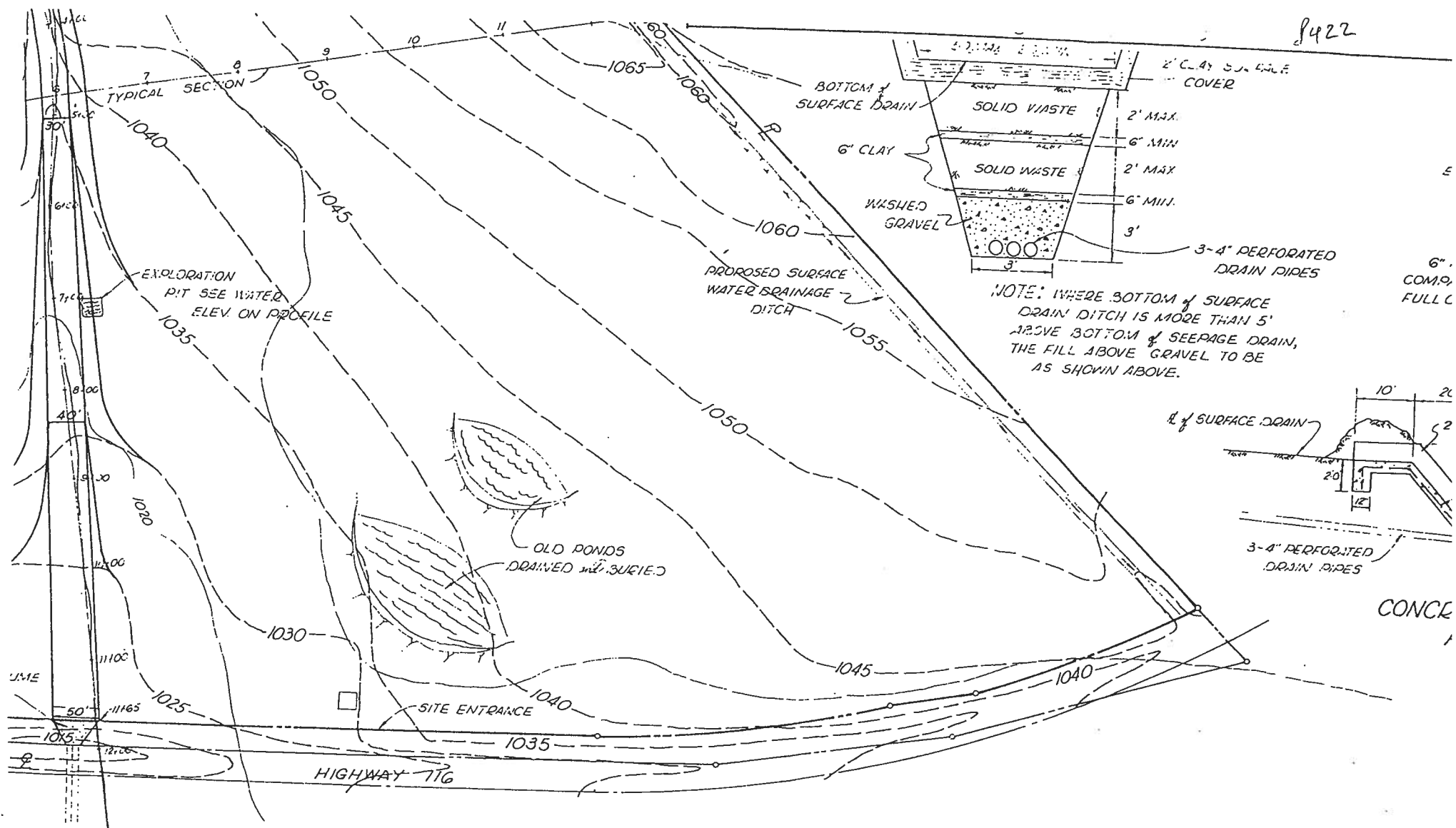
FROM PROPERTY LINE



SITE PLAN of SOLID WASTE SITE

CORYELL COUNTY

8422



SOLID WASTE SITE

EXHIBIT 1

Description of Property

Closed Landfill Inventory Central Texas Council of Governments

Site Identification

County	Coryell
Permitted Site Number	P1300

Location and Boundary

COG Confidence Level	50%
Latitude	31.4713 N
Longitude	98.1082 W
Narrative Location Description	Along the south line of US 84
Boundary Description	See Deed
Basic Land Units	Tract 010100, Block 1028

Land Use	Vacant
-----------------	--------

Ownership Information

Current Property Owner(s)	City of Evant
Current Owner(s) Address	PO Box 10; Evant, TX 76525
Dates of Ownership	Unknown
Land Unit	10 acres

Site History and Current Status

Previous Owner(s)	Dan Sommerfield
Dates of Operation	1955 – 1987
Enforcement History	Unknown
Types of Waste Disposed	Unknown

Reference Attachments

Warranty Deed Dec. 1955
Texas Department of Health Letter Regarding Inspection March 1979
Affidavit of Ownership March 1988
Letter Regarding Affidavit April 1988
Texas Department of Health Letter Regarding Closure June 1991
City of Evant Letter Regarding Closure Feb. 1995
Letter from Mayor Regarding Closure May 1996
TNRCC Letter Regarding Inspection June 1996
TNRCC Letter Regarding Inspection Aug. 1996
Tax Assessor Valuation Jan. 1999
Status of Landfill Research Form Oct. 1999
Letter from County Judge Regarding Landfill Inventory Dec. 1999
TNRCC Letter Regarding Closure March 2000
TNRCC Letter Regarding Permit Cancellation July 2000

#13775

C-23



Texas Department of Health

Raymond Moore, M.D.
Commissioner

1100 West 49th Street
Austin, Texas 78756
458-7111

Philip W. Mallory, M.D.
Deputy Commissioner

MAR 07 1979

Members of the Board

Robert D. Moreton, Chairman
William J. Folan, Vice-Chairman
Roderic M. Bell, Secretary
Johnnie M. Benson
H. Eugene Brown
Ramiro Casso
Charles Max Cole
Francis A. Conley
Ben M. Durr
William J. Edwards
Raymond G. Givens
Bob D. Glaze
Blanchard T. Hollins
Donald A. Horn
Maria LaMantla
Philip Lewis
Ray Santos
Royce E. Wisenbaker

Mr. D.J. Manning, President
Evant Lions Club
P.O. Box 106
Evant, Texas 76525

Subject: Solid Waste - Coryell County
Evant Lions Club - Municipal Solid Waste Site
2.6 mi. E of Int. US 84 & US 281, 1000' S of US 84
N 31° 28.23' W 98° 06.50'

Dear Mr. Manning:

On February 12, 1979, Mr. Earl A. Ballman, P.E., from our regional office, inspected the subject municipal solid waste disposal facility.

Mr. Ballman's report reveals the site at the time of inspection was being operated in violation of the following subsections of this Department's April 1977 "Municipal Solid Waste Management Regulations". The corrective action required for each violation is as indicated:

1. F-2.2: Unloading of solid waste must be confined to as small an area as practical.
2. F-2.13: A Type III operation with monthly compaction and covering of all deposited solid waste with at least six inches of compacted earth must be provided. A final cover of two feet of compacted earth must be placed over the entire surface of each completed portion of the disposal area. The cover must be compacted and graded to drain to prevent the ponding of water on the landfill surface and to prevent erosion.

3. Date: 7/30/1997
Name of County: Coryell Name of City: _____
Permit #: 1300 Are there curves? yes / no
Starting Coordinates (x,y): S 190W 1694.00
Gap Calculated in MapDraw: 0.0
Acreage Calculated in MapDraw: 10.00
Have these files been saved on a network directory? yes / no
Name of MapDraw Map File / Text File (.map/.txt)? LF 1300 OF FILES 1

see note

yellow copy L.A.C.

no map

CORYELL COUNTY

THENCE: South 19 West 1694 feet to the Southeast corner of said 152.39 acres tract, for a corner;

THENCE: Along the South line of said 152.39 acres tract, North 71 West 463 feet for a corner;

THENCE: North 19 East 829 feet for a corner;

THENCE: South 71 East 403 feet for a corner;

THENCE: North 19 East 865 feet to the South right of way line of U. S. Highway No. 84, for a corner;

THENCE: Along the South line of U. S. Highway No. 84, in a ^{South?} northeasterly direction, 60 feet to the place of beginning, containing 10 acres, more or less.] ?

gap coord
give

S 71° 0' 1" E 60.00

CORYELL COUNTY

1305
AFFIDAVIT TO THE PUBLIC

STATE OF TEXAS
COUNTY OF CORYELL

28/17/11

Before me, the undersigned authority, on this day personally appeared C.L. Yarbrough, Mayor of Evant, who, after being by me duly sworn, upon oath states that he is the elected representative of the owner of record (the City of Evant) of that certain tract or parcel of land lying and being situated in Coryell County, Texas, and being more particularly described as follows:

{ Ten acres, more or less, out of the J.W. Howard Pre-emption Survey, Abstract No. 333, as recorded in Vol. 198, pp. 239-240, Deed Records of Coryell County, Texas.

The undersigned further states that from the year 1955 to the year 1987 there was operated on the aforesaid tract of land a Solid Waste Disposal Site. Specifically, such operation was conducted on that portion of the aforesaid tract described as follows: All except entry lane.

Further, the undersigned, the City of Evant, herein represented by its mayor, C.L. Yarbrough, was the operator of such Solid Waste Disposal Site.

WITNESS MY HAND on this the 21st day of March, 1988.

C.L. Yarbrough
OWNER, Mayor of Evant

SWORN AND SUBSCRIBED before me on this the 21st day of March, 1988.

Attila V. Neer
Notary Public in and for Coryell County, Texas

NOTICE TO ANY FUTURE OWNER OR USER OF THIS SITE

This area has been formerly used as a municipal solid waste site. You should consult with the Texas Department of Health (PO Box 190, Temple, Texas 76503, 817-778-6744) prior to planning or initiating any activity involving the disturbance of the landfill covering or monitoring system.

CORYELL COUNTY

THE STATE OF TEXAS I
COUNTY OF CORYELL I

I, TRIBBLE SHEPHERD, Clerk of the County
Court of said county, do hereby certify that the above and hereunto
attached Instrument of Writing was filed for record in my office the

21 day of March A.D. 19 88 at 1:15 O'Clock P M and recorded
23 day of March A.D. 19 88 at 10:02 O'Clock A M in the

Records of said county in Vol. 457 Page 255 Records of Deed
Witness my hand and Seal of Office at

Gatesville, Texas, the day and year last above written.

Tribble Shepherd
County Clerk, Coryell County, Texas.
by Ella Hollingsworth Deputy
(Ella Hollingsworth)

CORYELL COUNTY

APR 14 1986

Honorable Calvin Burks
Mayor of Evant
P.O. Box 10
Evant, Texas 76525

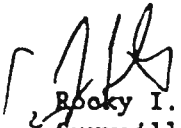
Subject: Solid Waste - Coryell County
City of Evant - Permit No. 1300
2.6 Miles E of US-64 and US-281 Int., 0.2 Mile S of US-84

Dear Mayor Burks:

A copy of the affidavit which establishes within the deed records the existence of the subject site, as filed with the Coryell County Clerk, has been received. The file for the ~~subject site will be marked inactive~~ pending our region's post-closure maintenance inspections at least through the year 1992 to determine if any post-closure subsidence or erosion problems occur which are in need of correction. If at the end of the five-year post-closure maintenance period the site is found to have been satisfactorily maintained, the subject file will be marked closed since you have indicated that the site has been filled and rendered unusable by closing and submitting the closure affidavit.

Your cooperation in properly closing and maintaining this site is appreciated.

Sincerely yours,


Rocky I. Stevens, P.E., Branch Chief
Surveillance and Enforcement Branch
Division of Solid Waste Management

JLG:gsr

cc: Region 1, TDH, Temple

	Date Completed	Initials
Processed		
Originator	4-15	JLG, CWS
Section Chief		
Branch Chief		
Div Director		
Bureau Chief		
Forwarded		
Distributed		
Mailed		

CORYELL COUNTY



Texas Department of Health

Robert A. MacLean, M.D.
Acting Commissioner of Health

1100 West 49th Street
Austin, Texas 78756-3199
(512) 458-7111

JUN 27 1991

Honorable C. L. Yarbrough
Mayor of Evant
P.O. Box 10
Evant, Texas 76525

Subject: Solid Waste - Coryell County
City of Evant Permit No. 1300
2.6 Miles E of US-84 and US-281 Int., 0.2 Mile S of US-84

Dear Mayor Yarbrough:

The Department has received a letter, dated May 14, 1991, from Ms. Sheila Barefoot, City Secretary, stating she believed the post-closure maintenance period was completed and requesting the applicable regulation which apply to purchase of the land.

A review of the Department's files shows that the post-closure maintenance period, for the subject site, will be completed in 1992. The Department's "Municipal Solid Waste Management Regulations" (MSWMR) does not contain any provision that would prohibit you from selling the landfill property. However if you do sell the property prior to the end of the post-closure maintenance period, you should notify the Department. You will be required to show that you have the proper documentation to enter the property for post-closure maintenance and correction of any problems that may arise. Enclosed is a copy of Sections 325.153 and 325.154 of the MSWMR which deal with post-closure maintenance and use of a closed landfill.

If you have any questions concerning this letter or if we may be of any assistance to you regarding solid waste management, you may contact Mr. Phil Spry, P.E., of my staff here in Austin at telephone number (512) 458-7271 or you may prefer to contact Mr. Oran Buckner, P.E., Regional Director of Environmental and Consumer Health Protection at 2408 South 37th Street, Temple, Texas 76504-7168; telephone number (817) 778-6744.

Sincerely,

Michael D. Graeber

Michael D. Graeber, P.E., Chief
Enforcement Branch
Surveillance and Enforcement Division
Bureau of Solid Waste Management

PAS/mr
Enclosure

cc: Region 1, TDH, Temple

	DATE	INITIALS
	COMPLETED	
PROOFREAD		
ORIGINATOR	26 Jun 91	MB
SECTION CHIEF		
BRANCH CHIEF	6-27-91	MB
DIV DIRECTOR		
BUREAU CHIEF		
FORWARDED		
DISTRIBUTED		
MAILED	6-27-91	MB
FILED	6/27/91	MB

CORYELL COUNTY

P. O. BOX 10
EVANT, TEXAS 76525
(817) 471-5562
(817) 471-3135

February 16, 1995


Texas Natural Resources Conservation Commission
500 Lake Air Drive, Suite 1
Waco, Texas 76710

Attention: Mr. Jim Edwards
Region Waste Program Manager

Thank you for your kind letter of January 31, 1995, in regard to the City's former solid waste landfill which has been officially closed for some five years or more. First let me say that the City certainly has no intention of contributing to pollution nor violating laws. In this respect we are grateful for you calling our attention the matters that need to be corrective action.

Please be advised that we are at present picking up the loose and exposed trash of any nature and placing it in an authorized dumpster to be hauled to a permitted landfill by Centex Waste Management. Over the years some settling of the earth has occurred. These areas will be filled and covered with suitable topsoil. Care will be taken to assure that ponding of water will not be a problem.

This time frame for completion will be several months, as the City has very limited funds and personnel to accomplish the tasks. We beg your indulgence and assure you that we wish to comply with all regulations.

Sincerely,

Randall Rigney, Mayor
Mayor

RR/lt

CORYELL COUNTY

May 24, 1996

**Mr. Ron Byrd
T.N.R.C.C.
Region 9
500 Lake Air Dr., Suite 1
Waco, Texas 76710**

**Re: Municipal Solid Waste - Coryell County
City of Evant Landfill - Permit No. MSW-1300**

Dear Mr. Byrd:

**We are happy to report that we have completed the work on the dump ground. Hopefully
we have met all compliances and are now ready for your inspection.**

Thank you for allowing us the time to meet your regulations.

Sincerely,

Randall Rigney, Mayor

RR/lt

**c: Mr. Jim Edwards, Region Waste Program Manager
c: COE File**

CORYELL COUNTY

Barry R. McBee, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Dan Pearson, *Executive Director*



RECEIVED
JUN 6 1996
DATE INITIAL

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

June 4, 1996

Honorable Randall Rigney
P.O. Box 10
Evant, TX 76525

Subject: Municipal Solid Waste - Coryell County
City of Evant Landfill - Permit# MSW-1300
About 0.2 Mile South of US-84; about 2.6 Miles E of US-84
and US-281 Int. (Evant).

Dear Honorable Rigney:

On May 29, 1996, J. Hoyt Childres, of the Texas Natural Resource Conservation Commission (TNRCC) inspected the referenced closed municipal solid waste facility. During the inspection, no post-closure maintenance problems were noted. Your cooperation in maintaining this closed site is greatly appreciated.

If you have any questions concerning this letter, please feel free to contact J. Hoyt Childres at (817)751-9227.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jim Edwards".

Jim Edwards
Waco Region Waste Program Manager

cc: Central Records

Rec. 08-07-76

Barry R. McBee, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Dan Pearson, *Executive Director*



TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

August 2, 1996

The Honorable Randall Rigney
Mayor of Evant
P.O. Box 10
Evant, TX 76525-0010

Subject: Municipal Solid Waste - Coryell County
City of Evant - Permit Application No. MSW-1300
2.6 Miles E of US-84 and US-281 Int.

Dear Mayor Rigney:

On May 29, 1996, Mr. J. Hoyt Childres, P.E., from our regional office, inspected the subject municipal solid waste facility for post-closure maintenance. During this inspection, our representative was accompanied by Mr. Henry Oney.

During this inspection, no post-closure maintenance problems were noted. The file for this site has now been marked closed.

Your cooperation in maintaining this closed site is greatly appreciated. If any future post-closure maintenance problem(s) arise, then it is your responsibility to correct the problem(s).

If you have any questions concerning this letter or if we may be of any assistance to you regarding municipal solid waste, you may contact me at MC-124, P.O. Box 13087, Austin, Texas 78711; telephone number (512) 239-6671.

Respectfully,

A handwritten signature in black ink, appearing to read "Michael D. Graeber", with a long horizontal line extending to the right.

Michael D. Graeber, P.E.
Permits Section
Municipal Solid Waste Division

MDG/ff

cc: TNRCC Region 9

NAME	LEGAL DESCRIPTION	EXEMPTIONS	IDENTIFICATION
CITY OF EVANT	533 J W HOWARD	**CONST EX	PCL: R-04363
EVANT	EXEMPT		GEO: 0-32-046000
TX 76525	DUMP GROUNDS		
CITC03821	LEGAL ACRES: 10.000		
		SP: AAAAAAAAAA	

DESC	VR	HS	DP	EXPL	SQFT	CPSF	VALUE	JURISDICTIONS	DIMENSIONS
					0	.00	0	EVANT ISD	
*** TOTAL VALUE							0	CORYELL COU	

-fea-----desc-----sqft-----cpsi-----value-----sqft break-----

- PREVIOUS OWNER -

SCALE 1" = 10 FT CARD 1 OF 1

NOTES	APPRAISED BY	APPR DATE	CHECKED BY	DEED INFO
		1999-01-03		

FRONT	REAR	STD DEPT	CODE	CF/BSSE	OV	(+)	(-)	HS DESC	LOT VALUE
								Y	
								Y	

MKT CODE	ACRES	HS	RD	CPRINT	CPRNG RD	TOP	ZON	ACC	UTL	LOC	ASCD	VR	ABNL	MARKET
TOTALS:	10.000			1,000										10,000
	10.000	PART/LARGER:		.000										TOTAL MARKET: 10,000

GEO	ARTL	NIP	RIGHT	USE	HTG	VOL	PIGE	DATE	SALEDT	SUBMITTED BY
		274-150-R								user: DARRELL
										date: 2000-07-03

	ENR	LRD	PRD	PRMT	PERS	TOTAL VALUES
MARKET:	0	10,000	0	0	0	10,000
1999:	0 :	10,000 :	0 :	0 :	0 :	10,000 :
CHANGE:	()	0 : ()	0 :	0 : ()	0 :	0 :
2000:	[]	0 : [X2]	10,000 :	0 :	0 : []	10,000 :
MARKET:	0	10,000	0	0	0	10,000

CORYELL COUNTY

JOSEPH MUELLER
1505
B-2-1

1300

J. L. TUMER
1848

SMITH
1874

ETCHER
1821

1833

ETCHER
1821

GAGAN

THOMPSON
1874

COUNTY

Status of Landfill Research Form

Permit No. 1300 Issue Date Existing 1954 GF County Coryell Permitted Acres ~~1000~~

Technical Pkg Submitted for Permit? Yes ☒ File Loc. microfiche No ☐

Date Closed to Waste Recpt. not available File Loc. _____

Date of Final Cover Inspection None File Loc. _____

*Date Affidavit(s) Approved 4/18/88 Acreage Closed 10
(If none, please indicate so)

File Loc. microfiche

Closure Plan Exists? Yes _____ File Loc. _____ No ☒

Date Closure Plan Approved None File Loc. _____

Date(s) Post Closure Started Not available File Loc. _____

Date(s) Post Closure Ends 1992 File Loc. MSW PA# 1300
Vol 1

Length of Post Closure Period: 5 yrs. ☒ 30 yrs. _____ Other (no. of yrs.) _____

*File Closed Date 8/2/96 File Loc. MSW PA# 1300
(If none, please indicate so) Vol 1

*Date of "Inactive Status" Acknowledgment Letter 4/18/88 File Loc. microfiche
(If none, please indicate so)

Name of Researcher Lara Gavey

Date Research Conducted 10/25/99

* copy needed

CORYELL COUNTY



Coryell County, Texas

620 E. MAIN / GATESVILLE, TEXAS 76828 / TELEPHONE (254) 865-5911, EXTENSION 222 / FAX (254) 865-2040

COUNTY JUDGE JOHN HULL

December 8, 1999

Wanda L. Williams, Special Projects
Central Texas Workforce Board

Re: School-to-Work Challenge Grant for Work-Based Learning
Partner Organization: Coryell County
Nature of the Match: In-Kind
Dollar Value of Match: \$1,040

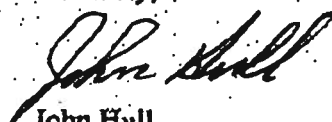
Dear Ms. Williams:

As an authorized representative of Coryell County, our organization strongly supports the Landfill Data Collection Project. Six permitted and 20 non-permitted landfills have been identified within Coryell County.

Based on an estimated two hours per landfill, Coryell County commits approximately 52 hours of personnel time to assist and support students in the work place. This contribution, based on estimated personnel salaries, is committed at a value of approximately \$1,040 over a three-month period. This estimated contribution is based on the research and data collection of 26 landfills within the geographic boundary of Coryell County.

This project benefits Coryell County on two fronts. First, we recognize that it is in the best interests of our citizens to identify and catalog information on landfills within our area. Coryell County holds a strong interest in meeting the state mandated inventory for landfills. Second, we hold an even stronger interest in supporting local students in this innovative school-to-work project. We believe that this project will provide our county an opportunity to identify potential future employees and to contribute to that future workforce pool.

Sincerely,


John Hull
Coryell County Judge

CORYELL COUNTY

Robert J. Huston, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Jeffrey A. Saitas, *Executive Director*



RECEIVED
DATE 032800
EPP. INTL

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

March 24, 2000

EVANT, CITY OF
PO BOX 10
EVANT, TEXAS 76525

Subject: Completion of Post-Closure Care Period and Permit Expiration, Permit No. 01300

Dear Landfill Permittee:

A recent research of the Texas Natural Resource Conservation Commission (TNRCC), Municipal Solid Waste central records reveal the the subject municipal solid waste (MSW) facility has completed the post-closure care maintenance requirements established by rules in effect during the operational life of this site. Therefore, this site is eligible to exit the post-closure care maintenance period.

As this site has satisfied all post-closure care maintenance requirements, the permit for this facility has now expired by its own terms. No additional waste disposal activities may be conducted at this site unless they are authorized by a new MSW permit.

Your cooperation in maintaining this closed site is greatly appreciated. Any future maintenance problems that arise are the Permittee's responsibility to correct as soon as practical.

If you have any questions concerning this matter, please contact the Municipal Solid Waste Permits Section at 512/239-6724.

Sincerely,

A handwritten signature in cursive script, reading "Dorca Zaragoza-Stone".

Dorca Zaragoza-Stone, Manager
MSW Permits Section
Waste Permits Division

DZS/lcs

Robert J. Huston, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Jeffrey A. Saitas, *Executive Director*



RECEIVED
DATE 070600
EPP

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

July 5, 2000

City of Evant
P.O. Box 10
Evant, TX 76525

Re: City of Evant's Request to Cancel MSW Permit No. 1300
Municipal Solid Waste Management Facility
Coryell County, Texas

Dear Permittee:

As you requested, this letter revokes Municipal Solid Waste Permit No. 1300. You recently requested voluntary cancellation of this municipal solid waste permit. Voluntary revocation is allowed under 30 Texas Administrative Code §305.67. No penalties are pending and no fees are due regarding this permit. Therefore, your request has been approved. Your cooperation in this matter is greatly appreciated.

If we can be of service to you in the future regarding municipal solid waste management, please feel free to contact the Municipal Solid Waste Permits Section at (512) 239-6781.

Sincerely,

A handwritten signature in cursive script that reads "Dorca Zaragoza-Stone".

Dorca Zaragoza-Stone, Manager
Municipal Solid Waste Permits Section
Waste Permits Division

Legal description, Evant dump.

Warrant Deed

Dated: Dec. 12, 1955
Filed: Dec 27 1955
Recorded in Vol. 198, pages 239-240, Deed Records of Coryell County, Texas.

45' 1031/190

Dan Sommerfeld, et ux

To

Evants Lions Club, Evant, Texas

Warranty Deed

Dated: Dec. 12, 1955

Filed: Dec 27 1955

Recorded in Vol. 198, pages

239-240, Deed Records of
Coryell County, Texas.

The State of Texas

County of Coryell KNOW ALL MEN BY THESE PRESENTS:

That We, Dan Sommerfeld and wife Alma Sommerfeld of the County of Coryell, State of Texas for and in consideration of the sum of Seven Hundred Fifty no/100 Dollars to us in hand paid, by Evant Lions Club of Evant, Texas, acknowledged by Dan Sommerfeld SEVEN HUNDRED FIFTY dollars, cash in hand paid, the receipt of which is hereby acknowledged have granted, sold and conveyed, and by these presents do grant, sell and convey, unto the said Evant Lions Club 'Evant, Texas of the County of Coryell State of Texas all that certain tract, lot or parcel of land, out of the J.W. Howard Preemption Suvey, Abstract No. 533, and being a part of 152.39 acres tract conveyed by Federal Farm Mortgage Corporation to Dan Sommerfeld, by deed dated July 9, 1940, recorded in Vol. 135, pages 7-11 of the Deed Records of Coryell County, Texas, and described as follows:

BEGINNING at the south right of way line of U.S. Highway No. 84, where said right of way line intersects the East line of said 152.39 acres tract conveyed to Dan Sommerfeld aforesaid; Thence S 19 W 1694 wfeet to the Southeast corner of said 152.39 acres tract, for a corner; Thence along the south line of said 152.39 acres tract, N 71 W 463 feet for a corner; Thence N 19 E 829 feet for a corner; Thence Ss71 E 403 feet for a corner; Thence N 19 E 865 feet to the South right of way line of U.S. Highway No. 84, for a

CORYELL COUNTY

#2. 198/239

Partial Release

corner; Thence along the south line of U.S. Highway No. 84, in a northerly direction, 60 feet to the place of beginning, containing 10 acres, more or less.

To have and to hold formal clause omitted by
abstra oter.....

Witness our hands at Gatesville, this 12 day of December A.D. 1955.

Dan Sommerfeld and Alma Sommerfeld

ACKNOWLEDGMENTS: Statutory in form acknowledged by Dan Sommerfeld and Alma Sommerfeld wife of Dan Sommerfeld, before Bobbie Harper, Notary Public, Coryell County, Texas, Dec. 12, 1955. (Separate acknowledgments) Seals.

in which deed (s) of trust and its (their) detailed description of said deed (s) of trust, and

and said mortgage (s) or assigns desire (s) a release of the (s) against the hereinafter described tract of land.

being a part of the land situated in Coryell County, Texas, out of the J.W. Howard Federal Taxpayer, Abstract No. 517, and being a part of 100.00 acres land conveyed to Federal Farm Mortgage Corporation by deed dated July 9, 1940, recorded in Volume 7-11 of the Land Records of Coryell County, Texas, and

situated in the south right-of-way line of U.S. Highway No. 84, Thence along the south right-of-way line of U.S. Highway No. 84, in a northerly direction, 60 feet to the place of beginning, containing 10 acres, more or less.

EXHIBIT 1

Description of Property

Closed Landfill Inventory Central Texas Council of Governments

Site Identification

County Coryell
Permitted Site Number P1357

Location and Boundary

COG Confidence Level 50%
Latitude 31.4585 N
Longitude 97.7420 W
Narrative Location Description 2.5 miles north of SH 36 and US 84 intersection
Boundary Description See Texas Dept. of Health Letter Regarding Permit Application
Basic Land Units Tract 010300, Block 2011

Land Use

Utilized by Huntsville Prison

Ownership Information

Current Property Owner(s) Texas Department of Corrections
Current Owner(s) Address P.O. Box 99; Huntsville, TX 77340
Dates of Ownership Unknown
Land Unit 0.36 acres

Site History and Current Status

Previous Owner(s) Unknown
Dates of Operation Unknown – 10/30/91
Enforcement History Unknown
Types of Waste Disposed Unknown

Reference Attachments

Texas Dept. of Health Letter Regarding Permit Application July 1980



Texas Department of Health

Robert Bernstein, M.D., F.A.C.P.
Commissioner

A. M. Donnell, Jr., M.D., MPH, F.A.C.P.
Deputy Commissioner

Permit No. 1357

Coordinates: N 31° 28.25' W 97° 44.45'

1100 West 49th Street
Austin, Texas 78756
(512) 456-7337

Members of the Board

Robert H. Bernstein, Chairman
Arthur J. Harris, Vice Chairman
Richard H. Bell, Secretary
Edward A. Brown
Ed Eugene Brown
James Bernard Moore, Treasurer
Kathleen L. Davis
Charles Max Cole
Francis A. Linder
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Richard W. Rappaport
Audrey Korch

PERMIT FOR A MUNICIPAL SOLID WASTE FACILITY
Issued under provisions of Article 4477-7, Vernon's
Texas Civil Statutes, and the Texas Department of Health's
"Municipal Solid Waste Management Regulations"

Permittee

Texas Department of Corrections
P.O. Box 99
Huntsville, Texas 77340

Site Owner

Texas Department of Corrections
P.O. Box 99
Huntsville, Texas 77340

Legal Description of Site: The legal description as submitted with the application is hereby made a part of this permit.

Size and Location of Site: The 0.36-acre site is located on the grounds of the Gatesville Unit, Texas Department of Corrections, 2.5 miles north of the State Highway 36/U.S. Highway 84 intersection in Gatesville, 600 feet west of State Highway 36, in Coryell County.

Operational Classification of Site: Type V (Incinerator)

Waste Disposal Methods Used at Site: Incineration of solid waste with disposal of ashes and residue in an approved solid waste disposal site.

Description of Waste Materials Processed at Site: Solid waste under the regulatory jurisdiction of the Texas Department of Health, when disposed of or processed in accordance with the Department's "Municipal Solid Waste Management Regulations".

Findings of Fact and Conclusions of Law: Attached hereto and made a part hereof.

Standard Provision: Acceptance of this permit constitutes an acknowledgement that the permittee will comply with all of the terms, provisions, conditions, limitations and other restrictions embodied in this permit; with the "Municipal Solid Waste Management Regulations" of the Texas Department of Health; and with the pertinent laws of the State of Texas.

Special Provisions: See Attachment - "Special Provisions for Municipal Solid Waste Permit No. 1357".

This permit will be valid until cancelled or revoked by the Commissioner of Health of the Texas Department of Health or until the incinerator facility is abandoned or rendered unusable, whichever occurs first.

Given under my Hand and Seal of Office at Austin, Texas on the 23rd day of July, 1980.

Robert Bernstein
Robert Bernstein, M.D., F.A.C.P.
Commissioner of Health

CORYELL COUNTY

SPECIAL PROVISIONS FOR MUNICIPAL SOLID WASTE PERMIT NO. 1357

A. Property Rights:

It is the responsibility of the herein-named permittee to possess or acquire a sufficient interest in or right to the use of the property herein described for the purposes for which this permit is issued. The granting of this permit does not convey any property rights or interest in either real or personal property, nor does it authorize any injury to private property or invasion of personal rights, nor any infringement of Federal, State or local laws or regulations outside the scope of the authority under which this permit is issued.

B. Surface Water Protection:

Washdown waters from the facility shall be discharged into an approved sewer system.

C. Odor and Air Pollution Control:

All applicable Texas Air Control Board regulations concerning air pollution control shall be observed.

D. Site Development and Operation:

1. Facility development and operation shall be in accordance with the facility plans and procedures submitted with the permit application and in accordance with the Department's "Municipal Solid Waste Management Regulations". Any significant deviation from such plans and procedures must have prior approval by the Department.
2. All waste residue resulting from the operation of this facility shall be ultimately disposed of in a municipal solid waste disposal site which has been authorized for operation by the Texas Department of Health to receive such waste.

E. Site Closing:

When incineration operations are terminated and/or before abandonment of the site, the incineration area shall be completely and properly closed in accordance with the regulations of the Texas Department of Health pertaining thereto.

F. Surety Bond:

Not required.

as Department of Corrections
mit 1357
e No. 3

LEGAL DESCRIPTION OF TRACT
OF LAND FOR USE BY
THE TEXAS DEPARTMENT OF CORRECTIONS
AS A SOLID WASTE DISPOSAL SITE

STATE OF TEXAS I
COUNTY OF CORYELL I

states and bounds description of 0.36-acre tract lying wholly within 227.15-acre tract belonging to the Texas Department of Corrections being in the early Farley Survey A-352, Coryell County Deed Records.

starting at the northeast corner of the said 227.15-acre tract in the West right-of-way of State Highway 36. S 17° 9' W 735 feet with the west right-of-way to a point immediately south of an intersecting private road from the west; thence N 89° 9' W 610 feet along the south edge of the private road to a place of beginning:

THENCE N 89° 9' W 126 feet;

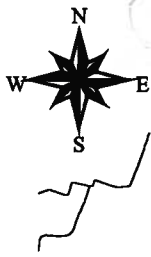
THENCE S 0° 51' W 126 feet;

THENCE S 89° 9' E 126 feet;

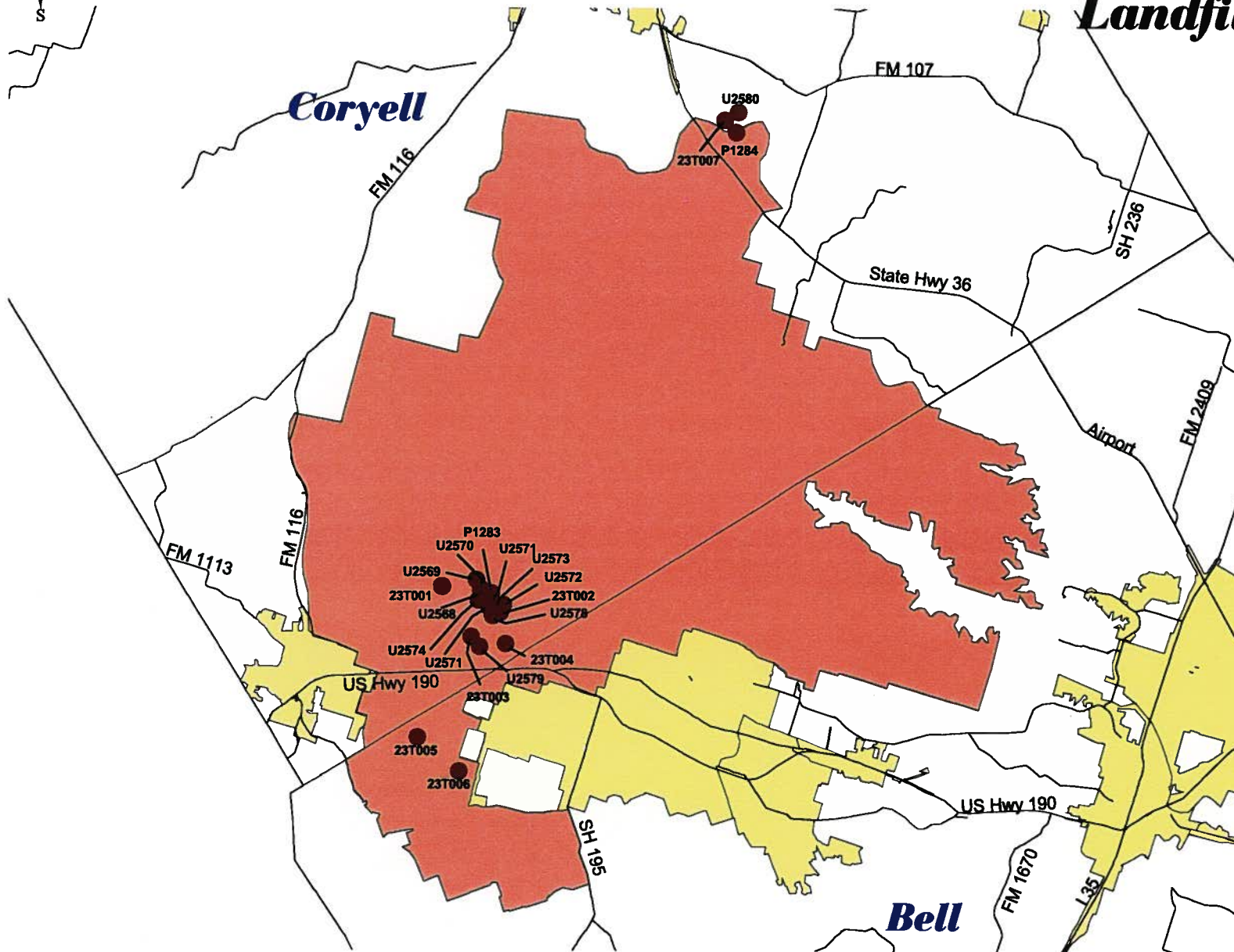
THENCE N 0° 51' E 126 feet to the place of beginning,
containing 0.36-acres centered on the proposed location of Texas Department of Corrections boiler building.

cc: County Health Officer

CORYELL COUNTY



Fort Hood Closed Landfill Inventory



Disclaimer: Map Produced by CTCOG in response to provisions of Senate Bill 1447, 76th Legislature of the State of Texas, as part of the Closed and Abandoned Municipal Solid Waste Landfill Inventory. This Map indicates an estimated location only, as derived from best available public records. No claims are made as to the positional accuracy or completeness of the data or its suitability for a particular purpose.

CORYELL COUNTY

Closed Landfill Inventory
Central Texas Council of Governments

Site Identification

County	Coryell County
	Fort Hood
Permitted Site Number	U2568

Location and Boundary

COG Confidence Level	75%
Latitude	31.1573 N
Longitude	97.8111 W
Narrative Location Description	North of Turkey Run Rd and West of Clear Creek Rd
Boundary Description	No Deed Located
Basic Land Units	Tract 010500, Block 1021

Land Use

Explosive Safety Zone of an Ammunition Holding Area

Ownership Information

Current Property Owner(s)	US Army
Current Owner(s) Address	US Army, Ft. Hood, TX 76544
Dates of Ownership	Unknown
Land Unit	28 acres

Site History and Current Status

Previous Owner(s)	Unknown
Dates of Operation	Prior to 1956 until 1978
Enforcement History	Unknown
Types of Waste Disposed	Newspaper, diapers, plastics, food, and wood

Reference Attachments

RCRA Facility Investigation Report Dec. 1995 with map
Fort Hood Data Sheet with map

**FINAL
RCRA FACILITY INVESTIGATION
for
Fort Hood
Site FH-003
Abandoned Sanitary Landfill 3**

**Prepared for
U.S. Army Corps of Engineers
Fort Worth District**

December 1995

**Prepared by
Black & Veatch Waste Science, Inc.
Overland Park, Kansas**

**Contract No. DACA47-93-D-0035
BVWS Project No. 40544**

CORYELL COUNTY

8.2 Site FH-003 Abandoned Sanitary Landfill 3

This section includes the RCRA facility investigation (RFI) work plan for abandoned Sanitary Landfill 3. This section is organized as follows:

- Unit Operation and History.
- Topography and Hydrology.
- Site-Specific Geology.
- Contaminant Source Information.
- Data Gaps.
- Potential Contaminant Pathways.
- Investigation Plan.
- Health and Safety Plan
- Schedule.

8.2.1 Unit Operation and History

This was an area-fill landfill and was primarily used for rubble disposal. Based on Figure 8.2-1, the site is approximately 22 acres in size and lies directly south of FH-005. The landfill was reportedly covered with approximately 6 inches of top soil when it was closed. The reported dates of operation were from pre-1956 to 1978.

A storage facility exists within the limits of this unit. The facility consists of Buildings 56168, 56169, and 56170, and is enclosed by a perimeter chain-link security fence. The area within the perimeter fence has crushed rock surfacing. Fort Hood records were searched for construction plans or as-built records for these three buildings. No records were found for Buildings 56168 and 56169. However, as-built records were found for Building 56170, and defined it as a small latrine. No local geologic data were included with the Building 56170 as-built records. No further historical or operational data were discovered during data collection activities and a site visit conducted at Fort Hood during April 1995. A small swale crosses the site at the west edge. No evidence of leachate on the surface of the site was observed during the site visit. The site is located at the edge of a safety zone for an ammunition holding area approximately 2,500 feet north of this solid waste management unit (SWMU) (Hood 1991).

The location map showing general features and location of the unit is presented as Figure 8.2-1.

8.2.2 Topography and Hydrology

Local relief at Site FH-003 is approximately 50 feet, ranging in elevation from about 900 feet above mean sea level (msl) at the eastern edge to around 850 feet above msl at the western edge of the site. The site slopes to the west towards an unnamed tributary of Clear Creek that drains the site. A general discussion of the topography and hydrology of the main cantonment is presented in Section 2.0.

8.2.3 Site-Specific Geology

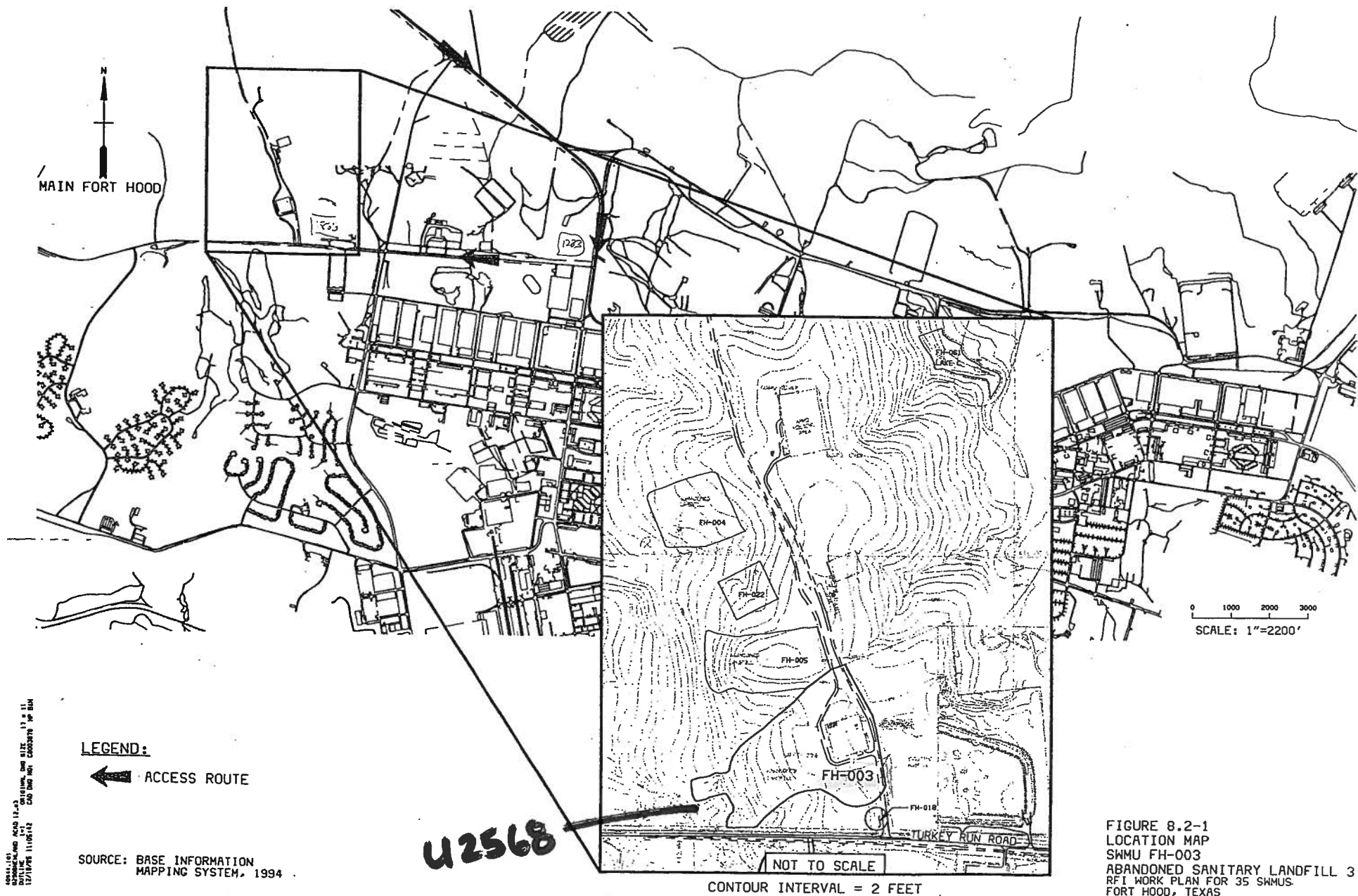
No site-specific geologic data from previous subsurface investigations are known to exist for this site.

According to the Geologic Atlas of Texas, Waco Sheet, the Cretaceous age Walnut Formation underlies the unconsolidated soil at the site and is approximately 100 to 150 feet thick (Bureau of Economic Geology 1979). Underlying the Walnut formation are the bedrock units of the Paluxy, Glen Rose, and Travis Peak formations. These three formations are referred to as the Trinity Group aquifer. Limited amounts of highly mineralized groundwater are capable of being produced from the Paluxy and Glen Rose formations. The Travis Peak aquifer is the primary water-bearing unit.

Regional geology for the site is contained in the Section 2.0 discussion related to the main cantonment of Fort Hood.

8.2.4 Contaminant Source Information

Site FH-003 reportedly contains primarily concrete rubble, as well as some municipal solid wastes (MSW). The MSW is anticipated to include wastes from residential households, commercial facilities, and light industrial facilities. The most common elements found in MSW include newsprint, paper, yard wastes, diapers, textiles, plastics, food wastes, and wood. Chemical constituents in, and characteristics of, MSW landfill leachate commonly include organic nitrogen, ammonia nitrogen, nitrates, total phosphorus, organic phosphorus, alkalinity, corrosivity (acidic at $\text{pH} < 2$, basic at $\text{pH} > 12$), calcium, magnesium, potassium, sodium, chloride, sulfate, and total iron. Other constituents also frequently found in an uncontrolled landfill such as this include cadmium, zinc, chromium, copper, cyanide, nickel, lead, and volatile organic compounds, resulting from the disposal of paint, solvents, and waste oils. Therefore, sampling for this RFI will focus on determining the concentrations of heavy metals and organics.



CTC 061

Closed Municipal Solid Waste Inventory

Permit # *D2568*
Site Name FH-003
Site Location On main Fort Hood, just north of Turkey Run Rd and
2,500' south of the Ammunition Holding Area (AHA, lies
directly south of FH-005
Type Facility Trench Municipal
Site Lat. N 31*09.339'
Site Long. W 97*48.569'
Nearest City Fort Hood
County 50
Population served nd
Tons/day nd
Date site opened - before 1956
Date site closed - 1978
Size in acres - 22 acres
Household - yes
Const. + Demo. - yes
Industrial
Tires
Agriculture
Brush - yes
Other
Hazardous - possibly!
Legal Actions - no
Maximum Depth of fill nd
Final Cover thickness 6"
Comments - No leachate present during Apr'95 inspection.
Wastes include newsprint, paper, yard waste, diapers
textiles, plastics, food wastes and wood. Three buildings
(#56168, 56169 & 56170) exists within the limits of
this landfill. They are used for storage.

Coryell County

SITE NUMBER : 4

CURRENT STATUS : Abandoned Landfill

PERIOD OF ACTIVITY :

Prior to 1956 until 1978 (4)

LOCATION :

North of Turkey Run Road and West of Clear Creek Road. See General Site Map Sheet # 74.

AERIAL PHOTOGRAPHY REFERENCES :

Figure 19, April 3, 1970, Scale 1:12500 (5).
Photobase Map, Sheet 81, December 19, 1982 (3).

EXCERPTS FROM "INSTALLATION ASSESSMENT OF FORT HOOD, TEXAS" (4) :

Site # 3.

GEOLOGICAL BORING LOG REFERENCES :

No on-site log data available.

COMMENTS / CONCLUSIONS :

The abandoned landfill lies partially within an Explosive Safety Zone of an Ammunition Holding Area. This site was listed as a "Fill Area" in the March, 1986 "Relook" Document (5). Combined with Site #3, this site contains approximately 50 acres.

LANDFILL --
SITE #2
ACRES = 10.622)

ABANDONED
LANDFILL
SITE #3

(ACRES = 50.486)

ABANDONED
LANDFILL
SITE #4

ABANDONED LANDFILL
SITE #7

ABANDONED LANDFILL
SITE #6
ACRES = 4.360)

CORYELL COUNTY

10A-2974

10A-2973

10A-2970

10A-2972

10A-2971

4ST4C-2964

8A-2965

SAFETY ZONE

TURKEY

8A-1420

STANDARD
PROJECT

8A-1899

8A-1898

CLEAR CREEK
GOLF COURSE

STANDARD
PROJECT

8A-1897

8A-1419

8A-1625

10A-3731

8A-3712

8A-3713

8A-3709

8A-3711

8A60-3

6DC-3704

(ACRES = 43.479)

10A-3720

8A-1

10A-3721

10A-3725

10A-3724

10A-3727

10A-3730

10A-3726

10A-3729

10A-3732

8A-3707

8A-3710

8A-3708

8A-3709

8A-3711

8A60-3

6DC-3704

Closed Landfill Inventory
Central Texas Council of Governments

Site Identification

County	Coryell County
	Fort Hood
Permitted Site Number	U2569

Location and Boundary

COG Confidence Level	75%
Latitude	31.1638 N
Longitude	97.8145 W
Narrative Location Description	North of Turkey Run Road and West of Clear Creek Rd.
Boundary Description	Abandoned landfill lies within an explosive safety zone of an Ammunition Holding area
Basic Land Units	Tract 010500, Block 1021

Land Use

Explosive Safety Zone of an Ammunition Holding Area

Ownership Information

Current Property Owner(s)	US Army
Current Owner(s) Address	US Army; Ft. Hood, TX 76544
Dates of Ownership	Unknown
Land Unit	11 acres

Site History and Current Status

Previous Owner(s)	Unknown
Dates of Operation	1972 –1974
Enforcement History	Unknown
Types of Waste Disposed	Unknown

Reference Attachments

RCRA Facility Investigation Report Dec. 1995 with map
Fort Hood Data Sheet with map

**FINAL
RCRA FACILITY INVESTIGATION
for
Fort Hood
Site FH-004
Abandoned Sanitary Landfill 4**

**Prepared for
U.S. Army Corps of Engineers
Fort Worth District**

December 1995

**Prepared by
Black & Veatch Waste Science, Inc.
Overland Park, Kansas**

**Contract No. DACA47-93-D-0035
BVWS Project No. 40544**

CORYELL COUNTY

8.3 Sites FH-004, Abandoned Sanitary Landfill 4

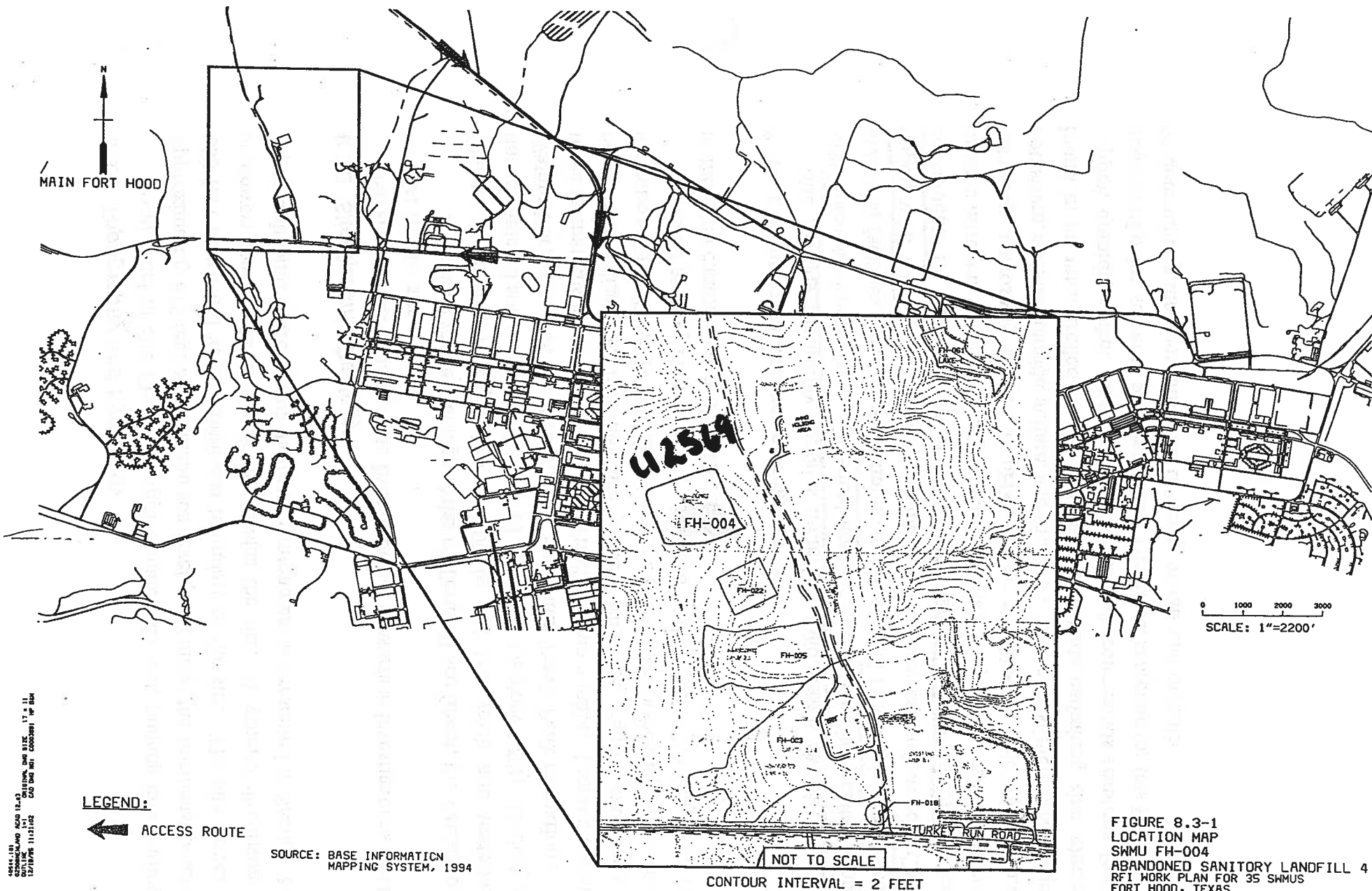
This section includes the RCRA facility investigation (RFI) work plan for abandoned Sanitary Landfill 4. This section is organized as follows:

- Unit Operation and History.
- Topography and Hydrology.
- Site-Specific Geology.
- Contaminant Source Information.
- Data Gaps.
- Potential Contaminant Pathways.
- Investigation Plan.
- Health and Safety Plan
- Schedule.

8.3.1 Unit Operation and History

Solid waste management unit (SWMU) FH-004 was a trench-type landfill. Based on attached Figure 8.3-1, the estimated size of SWMU FH-004 is approximately 12 acres. The trench method of disposal was reportedly used throughout the life of the facility. Operation dates were 1972 to 1974. When closed, the landfill was covered with 6 inches of top soil (Hood 1991). The landfill area has settled since closure, with the outlines of some trench areas still visible. The site is completely undeveloped and is covered by grasses and small scrub brush, as shown in Photographs 5 and 6. Some areas in the general vicinity of the site were observed during the site visit to have been cleared and grubbed and to have had the topsoil removed. The purpose and dates of these activities are not known. No further historical or operational data were discovered during data collection activities and a site visit conducted at Fort Hood during April 1995. No evidence of leachate was observed on the surface of the site during the site visit. This site is located within a safety zone for an ammunition holding area located approximately 1,000 feet north of this SWMU.

The location map showing general features and location of the site is presented as Figure 8.3-1.



CORYELL COUNTY

8.3.2 Topography and Hydrology

Local relief at Site FH-004 is approximately 25 feet, ranging in elevation from approximately 875 feet above mean sea level (msl) along the northeast boundary to 850 feet above msl at the southwest boundary of the site. The site slopes to the southwest towards Clear Creek that drains the site. A general discussion of the topography and hydrology of the main cantonment is presented in Section 2.0.

8.3.3 Site-Specific Geology

No site-specific geologic data from previous subsurface investigations are known to exist for the site.

According to the Geologic Atlas of Texas, Waco Sheet, the Cretaceous age Walnut Formation is approximately 100 to 150 feet thick and underlies the unconsolidated soil at the site (Bureau of Economic Geology 1979). Underlying the Walnut Formation are the Paluxy, Glen Rose, and Travis Peak formations. These three formations are referred to as the Trinity Group aquifer. Limited amounts of highly mineralized groundwater are yielded from the Paluxy and Glen Rose formations. The Travis Peak Formation is the primary water-bearing unit in the area.

Regional geology for this site is contained in the Section 2.0 discussion related to the main cantonment of Fort Hood.

8.3.4 Contaminant Source Information

Site FH-004 reportedly contains municipal solid wastes (MSW) and rubble. MSW includes wastes from residential households, commercial facilities, and light industrial facilities. The most common elements found in MSW include newsprint, paper, yard wastes, diapers, textiles, plastics, food wastes, and wood. Chemical constituents in, and characteristics of, MSW landfill leachate commonly include organic nitrogen, ammonia nitrogen, nitrates, total phosphorus, organic phosphorus, alkalinity, corrosivity (acidic at $\text{pH} < 2$, basic at $\text{pH} > 12$), calcium, magnesium, potassium, sodium chloride, sulfate, and total iron. Other constituents also frequently found in an uncontrolled landfill such as this include cadmium, zinc, chromium, copper, cyanide, nickel, lead, and volatile organic compounds resulting from the disposal of paint, solvents, and waste oils. Therefore, sampling for this RFI will focus on determining the concentrations of heavy metals and organics.

Closed Municipal Solid Waste Inventory

U2569

Permit #
 Site Name FH-004
 Site Location On main Fort Hood, just north of Turkey Run Rd and
 1,000' southwest of the Ammunition Holding Area (AHA)
 Type Facility Trench Municipal
 Site Lat. N 31*09.442'
 Site Long. W 97*48.583'
 Nearest City Fort Hood
 County 50
 Population served nd
 Tons/day nd
 Date site opened - 1972
 Date site closed - 1974
 Size in acres - 12 acres
 Household - yes
 Const. + Demo. - yes
 Industrial - yes
 Tires
 Agriculture
 Brush - yes
 Other
 Hazardous - possibly!
 Legal Actions - no
 Maximum Depth of fill nd
 Final Cover thickness 6"
 Comments - Trench type operation/some trenches presently visible
 due to settling. Currently undeveloped land. No leachate
 present in Apr '95 inspection. Site used for commerical,
 light industrial and municipal wastes. Wastes include newspri
 nt,
 paper, yard waste, diapers, textiles, plastics, food wastes
 and wood

Coryell
County

SITE NUMBER : 2

CURRENT STATUS : Abandoned Landfill

PERIOD OF ACTIVITY :

1972 through 1974 (4)

LOCATION :

North of Turkey Run Road and West of Clear Creek Road. See General Site Map Sheet # 74.

AERIAL PHOTOGRAPHY REFERENCES :

Photobase Map, Sheet 81, December 19, 1982 (3).

EXCERPTS FROM "INSTALLATION ASSESSMENT OF FORT HOOD, TEXAS" (4) :

Site # 4.

GEOLOGICAL BORING LOG REFERENCES :

No on-site log data available.

COMMENTS / CONCLUSIONS :

The abandoned landfill lies within an Explosive Safety Zone of an Ammunition Holding Area. This landfill site contains approximately 11 acres.

ABANDONED
LANDFILL
SITE #2
(ACRES = 10.622)

ABANDONED
LANDFILL
SITE #3

(ACRES = 50.48)

CORYELL COUNTY

Closed Landfill Inventory
Central Texas Council of Governments

Site Identification

County	Coryell County
	Fort Hood
Permitted Site Number	U2570

Location and Boundary

COG Confidence Level	50%
Latitude	31.1598 N
Longitude	97.8121
Narrative Location Description	North of Turkey Road and West of Clear Creek Road
Boundary Description	No Deed Located
Basic Land Units	Tract 010500, Block 1021

Land Use

Explosive Safety Zone of an Ammunition Holding Area

Ownership Information

Current Property Owner(s)	US Army
Current Owner(s) Address	US Army; Ft. Hood, TX 76544
Dates of Ownership	Unknown
Land Unit	22 acres

Site History and Current Status

Previous Owner(s)	Unknown
Dates of Operation	1974 – 1976
Enforcement History	Unknown
Types of Waste Disposed	Construction debris and household light industrial

Reference Attachments

RCRA Facility Investigation Report Dec. 1995 with map
Fort Hood Data Sheet with map

**FINAL
RCRA FACILITY INVESTIGATION
for
Fort Hood
Site FH-005
Abandoned Sanitary Landfill 5**

**Prepared for
U.S. Army Corps of Engineers
Fort Worth District**

December 1995

**Prepared by
Black & Veatch Waste Science, Inc.
Overland Park, Kansas**

**Contract No. DACA47-93-D-0035
BVWS Project No. 40544**

CORYELL COUNTY

8.4 Site ~~FH-005~~, Abandoned Sanitary Landfill 5

This section includes the RCRA Facility Investigation (RFI) work plan for abandoned Sanitary Landfill 5. This section is organized as follows:

- Unit Operation and History.
- Topography and Hydrology.
- Site-Specific Geology.
- Contaminant Source Information.
- Data Gaps.
- Potential Contaminant Pathways.
- Investigation Plan.
- Health and Safety Plan
- Schedule.

8.4.1 Unit Operation and History

This former landfill site is located between Landfills FH-003 and FH-004, about 2,000 feet west-northwest of the intersection of Turkey Run Road and Cedar Creek Road. Based on Figure 8.4-1, the landfill is approximately 14 acres in size and was covered with approximately 6 inches of soil when it was closed. Additional soil cover was added in 1980 to a depth of approximately 2 feet. The site boundary is adjacent to FH-003 on its southwest corner. The reported dates of operation for this site were from 1974 to 1976 (Hood 1991). Currently, the site is completely undeveloped and is covered primarily by native grasses. No further historical or operational data were discovered during data collection activities and a site visit conducted at Fort Hood during April 1995. No evidence of leachate was observed on the surface during the site visit. This site is located within a safety zone for an ammunition holding area located approximately 2,000 feet north of this Solid Waste Management Unit (SWMU).

The location map showing general features and location of the disposal site is presented as Figure 8.4-1. Photographs 7 and 8 of the site are shown on page 8.4-3.

8.4.2 Topography and Hydrology

Local relief at Site FH-005 is approximately 40 feet. The elevation ranges from approximately 860 feet above mean sea level (msl) along the western boundary to approximately 900 feet above msl over the eastern two thirds of the site. The site

slopes to the west and is drained by Clear Creek. A general discussion of the topography and hydrology of the main cantonment is presented in Section 2.0.

8.4.3 Site-Specific Geology

No site-specific geologic data from previous subsurface investigations are known to exist for this site.

According to the Geologic Atlas of Texas, Waco Sheet, the Cretaceous age Walnut Formation underlies the unconsolidated soil at the site and is approximately 100 to 150 feet thick (Bureau of Economic Geology 1979). Underlying the Walnut Formation are the Paluxy, Glen Rose, and Travis Peak formations. These three formations are referred to as the Trinity Group aquifer. Limited amounts of highly mineralized groundwater are yielded from the Paluxy and Glen Rose formations. The Travis Peak Formation is the primary water-bearing unit in the area.

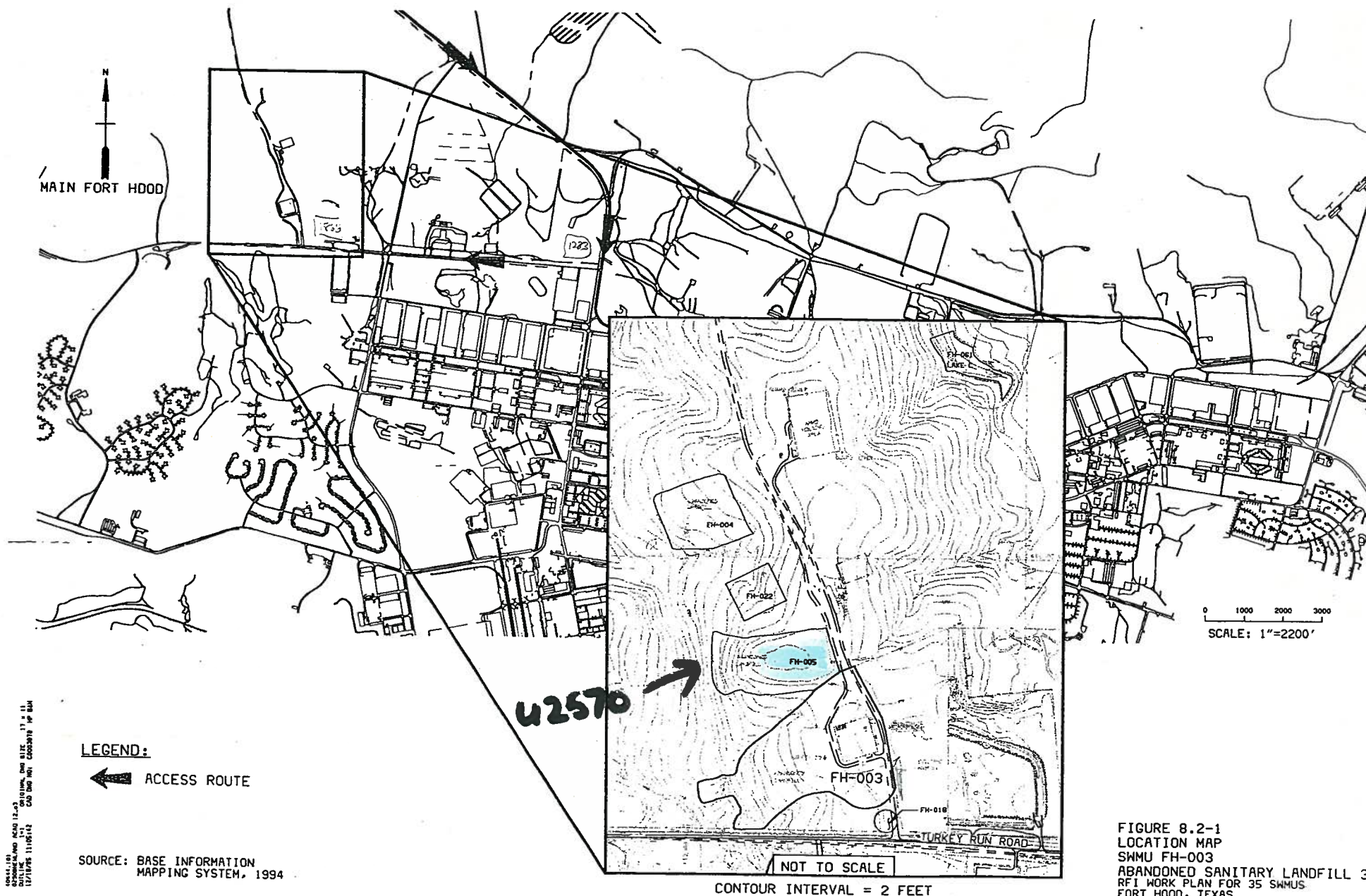
Regional geology for this area is contained in the Section 2.0 discussion related to the main cantonment of Fort Hood.

8.4.4 Contaminant Source Information

Site FH-005 contains municipal solid waste (MSW) and some construction debris, primarily rubble. MSW includes wastes from residential households, commercial facilities, and light industrial facilities. The most common elements found in MSW include newsprint, paper, yard wastes, diapers, textiles, plastics, food wastes, and wood. Construction debris is typically made up of concrete rubble, metal, wood, plastics, and other building materials. Chemical constituents and characteristics of MSW landfill leachate commonly include organic nitrogen, ammonia nitrogen, nitrates, total phosphorus, organic phosphorus, alkalinity, corrosivity (acidic at pH<2, basic at pH>12), calcium, magnesium, potassium, sodium, chloride, sulfate, and total iron. Other constituents also frequently found in an uncontrolled landfill such as this include cadmium, zinc, chromium, copper, cyanide, nickel, lead, and volatile organic compounds resulting from disposal of paint, solvents, and waste oils. Therefore, sampling for this RFI will focus on determining the concentrations of heavy metals and organics.

8.4.5 Data Gaps

No previous investigations have been performed at the landfill site to characterize the material in the landfill or determine if there has been a release of hazardous



CORYELL COUNTY

Closed Municipal Solid Waste Inventory

Permit #

Site Name

FH-005

Site Location
landfills,

On main Fort Hood, located between FH-003 and FH-004

rkey Run Rd and

about 2,000' west-northwest of the intersection of Tu

n its southwest

Cedar Creek Rd. Site boundary is adjacent to FH-003 o

corner.

Type Facility

Municipal

Site Lat.

N 31*09.368'

Site Long.

W 97*48.567'

Nearest City

Fort Hood

County

50

Population served nd

Tons/day

nd

Date site opened - 1974

Date site closed - 1976

Size in acres - 14 acres

Household - yes

Const. + Demo. - yes

Industrial - yes

Tires

Agriculture

Brush - yes

Other

Hazardous - possibly!

Legal Actions - no

Maximum Depth of fill nd

Final Cover thickness 24"

Comments - No leachate present during Apr'95 inspection.

Site presently undeveloped land. Site contains municipal solid waste and some construction debris, primary rubble. MSW includes wastes from residential households, commercial, light industrial facilities. Wastes include newsprint, paper, yard waste, diapers, textiles, plastics, food wastes and wood.

Coryell County

SITE NUMBER : 3

CURRENT STATUS : Abandoned Landfill

PERIOD OF ACTIVITY :

1974 through 1976 (4)

LOCATION :

North of Turkey Run Road and West of Clear Creek Road. See General Site Map Sheet # 74.

AERIAL PHOTOGRAPHY REFERENCES :

Photobase Map, Sheet 81, December 19, 1982 (3).

EXCERPTS FROM "INSTALLATION ASSESSMENT OF FORT HOOD, TEXAS" (4) :

Site # 5.

GEOLOGICAL BORING LOG REFERENCES :

No on-site log data available.

The closest logs, lying to the northeast of this site, are:
2964, # 2965, & # 2970 through # 2974.

COMMENTS / CONCLUSIONS :

The abandoned landfill lies within an Explosive Safety Zone of an Ammunition Holding Area. This site, combined with Site #4, contains approximately 50 acres.

LANDFILL
SITE #2
ACRES = 10.622)

ABANDONED
LANDFILL
SITE #3

(ACRES = 50.486)

ABANDONED
LANDFILL
SITE #4

ABANDONED LANDFILL
SITE #7

ABANDONED LANDFILL
SITE #6
ACRES = 4.360

CORYELL COUNTY

10A-2974

10A-2973

10A-2970

10A-2972

10A-2971

4ST4C-2964

8A-2965

SAFETY ZONE

TURKEY

8A-1420

10A-3723
8A-14
10A-3722
10A-3721
10A-3725
10A-3724
10A-3727
10A-3726
10A-3730
10A-3729
10A-3732
10A-3733
6DC-3701

8A-1625

10A-3731

8A-3712

8A-3707

8A-3713

8A-3710

8A-3708

8A-3709

8A-3711

8A6C-37

6DC-3704

(ACRES = 43.479)

8A-1419

8A-1898

CLEAR CREEK
GOLF COURSE

8A-1897

STANDARD
PROJECT

STANDARD
PROJECT

PROJECT

Closed Landfill Inventory
Central Texas Council of Governments

Site Identification

County	Coryell County
	Fort Hood
Permitted Site Number	U2571

Location and Boundary

COG Confidence Level	50%
Latitude	31.1533 N
Longitude	97.8060 W
Narrative Location Description	South of Turkey Run Rd and West of Clear Creek Rd
Boundary Description	No Deed Located
Basic Land Units	Tract 010500, Block 1036

Land Use	Tactical Equipment Shop and Softball Field
-----------------	--

Ownership Information

Current Property Owner(s)	US Army
Current Owner(s) Address	US Army; Ft. Hood, TX 76544
Dates of Ownership	Unknown
Land Unit	43 acres

Site History and Current Status

Previous Owner(s)	Unknown
Dates of Operation	Prior to 1972
Enforcement History	Unknown
Types of Waste Disposed	Unknown

Reference Attachments

RCRA Facility Investigation Report Dec. 1995 with map
Fort Hood Data sheet with map

Comments:

Site U2571 is made up of two Fort Hood and RCRA numbered landfills

SITE NUMBER : 7

CURRENT STATUS : Abandoned Landfill

PERIOD OF ACTIVITY :

Prior to 1972 (4)
After 1962 (7)

LOCATION :

South of Turkey Run Road and West of Clear Creek Road. See General Site Map Sheet # 74.

AERIAL PHOTOGRAPHY REFERENCES :

November 25, 1955, Plates 338, 339, and 340 (6).
May 29, 1961, Plates 24 and 25 (8).
Figure 14, April 4, 1958, Scale 1:4500 (5).
June 21, 1962, Plates 17, 18, 19, 20, 52, 53, and 54 (7).
Figure 19, April 3, 1970, Scale 1:12500 (5).
Photobase Map, Sheet 81, December 19, 1982 (3).

EXCERPTS FROM "INSTALLATION ASSESSMENT OF FORT HOOD, TEXAS" (4) :

Site # 6.

GEOLOGICAL BORING LOG REFERENCES :

1420 through # 1422
1617 through # 1627
3704 through # 3733
3942 through # 3981

OTHER REFERENCE DOCUMENTS :

See construction drawings for Tactical Equipment Shop # 44012.

COMMENTS / CONCLUSIONS :

A portion of this site now contains a Tactical Equipment Shop.

The landfill operation had not yet begun at the time of the 1962 photography. The March, 1986 "Relook" lists the west half of the site as "Landfill" and the east half as "Probable Fill Area", at the time of the 1970 photography.

Combined with Site #8, this site contains approximately 43 acres.

SITE NUMBER : 8

CURRENT STATUS : Abandoned Landfill

PERIOD OF ACTIVITY :

Prior to 1972 (4)
Prior to 1962 (7)

LOCATION :

South of North Avenue (Extended) and West of Clear Creek Road.
See General Site Map Sheet # 74.

AERIAL PHOTOGRAPHY REFERENCES :

November 25, 1955, Plate 338 (6).
May 29, 1961, Plates 24 and 25 (8).
June 21, 1962, Plates 52, 53, 54, 313, 314, and 315 (7).
Figure 19, April 1970, Scale 1:12500 (5).
Photobase Map, Sheet 81, December 19, 1982 (3).

EXCERPTS FROM "INSTALLATION ASSESSMENT OF FORT HOOD, TEXAS" (4) :

Site # 9. `

GEOLOGICAL BORING LOG REFERENCES :

1416 & # 1418
1611, # 1612, # 1615, & #1616
3719 & # 3720
3942, # 3960, & # 3963

COMMENTS / CONCLUSIONS :

A portion of this site now contains a softball field.

The site appears to have been active sometime between 1955 and 1962. It is not evident from the 1961 photography whether the site was still active. The March, 1986 "Relook" lists this site as a "Probable Fill Area".

Combined with Site #7, this site contains approximately 43 acres.

10A-2970
10A-2971
4ST4C-2964
8A-2965

EXISTING
LANDFILL
SITE #5
(ACRES = 60.766)

SAFETY ZONE

TURKEY RUN ROAD

ABANDONED LANDFILL
SITE #7

LANDFILL
#6
(1.360)

(ACRES = 43.479)

ABANDONED
LANDFILL
SITE #8

ABANDONED LANDFILL
SITE #10
(ACRES = 15.909)

CORYELL COUNTY

**FINAL
RCRA FACILITY INVESTIGATION
for
Fort Hood
Site FH-006
Abandoned Sanitary Landfill 6**

**Prepared for
U.S. Army Corps of Engineers
Fort Worth District**

December 1995

**Prepared by
Black & Veatch Waste Science, Inc.
Overland Park, Kansas**

**Contract No. DACA47-93-D-0035
BVWS Project No. 40544**

CORYELL COUNTY

8.5 Site FH-006, Abandoned Sanitary Landfill 6

This section includes the RCRA Facility Investigation (RFI) work plan for abandoned Sanitary Landfill 6. This section is organized as follows:

- Unit Operation and History.
- Topography and Hydrology.
- Site-Specific Geology.
- Contaminant Source Information.
- Data Gaps.
- Potential Contaminant Pathways.
- Investigation Plan.
- Health and Safety Plan
- Schedule.

8.5.1 Unit Operation and History

The landfill site is located immediately southwest of the intersection of Turkey Run Road and Clear Creek Road. Based on Figure 8.5-1, the landfill is approximately 30 acres in size. Individual trenches were constructed to a depth of about 8 to 10 feet and were roughly the width of a single dozer blade. In the 1960s, refuse was burned before it was buried in the landfill. Aerial photos of the area taken in the 1970s were reviewed. Individual trenches are visible on these photos. In the eastern half of the landfill, the trenches appear to be oriented north/south; in the western half, they are oriented northeast/southwest. The only information known about the dates of operation is that the facility was operated prior to 1972. The trenches were covered with 6 inches of soil when closed.

A motor pool hardstand (concrete) and four associated buildings were built prior to 1986 and are still in existence, covering approximately 2 to 3 acres of the landfill area. The four buildings include a Tactical Equipment Shop and smaller support buildings and are numbered Buildings 44010, 44011, 44012, and 44013, respectively (Hood 1991). An incomplete set of as-built drawings for this facility was available at Fort Hood during data collection activities in April 1995. The drawings indicate that some municipal solid waste (MSW) was removed from the landfill during the construction of these facilities. The volume and characteristics of the removed waste are not documented by the drawings. However, the waste that was removed was apparently excavated to native soil, and was disposed of by the construction contractor off government-owned property. Utility information for the facility was

not included on the drawings. Boring log data were included on the drawings and are discussed in Subsection 8.5.3.

An active sanitary landfill is operated immediately north of this site, across Turkey Run Road. Because the landfills are separated by Turkey Run Road, RFI activities at FH-006 will not be impacted by activities at the operating landfill. Furthermore, surface drainage from each landfill is not related. Surface drainage from the active landfill flows to the north, and surface drainage from FH-006 flows east and west.

The location map showing the general features and location of Site FH-006 is presented as Figure 8.5-1. Photographs 9 and 10 present the characteristics of the site and are shown on the following page.

8.5.2 Topography and Hydrology

Local relief at Site FH-006 is about 10 feet. The site is at an approximate elevation of 900 feet above mean sea level (msl). The east portion of the site is drained by an unnamed tributary of House Creek, and the west portion of the site is drained by an unnamed tributary of Clear Creek.

8.5.3 Site-Specific Geology

For this site, records of 45 boring logs were reviewed. The borings were drilled in September 1984, and in November 1985 (Tactical Equipment Shop, Building 44012 1986). The shallow stratigraphic sequence varies from boring to boring. Fill material and clay were found at the ground surface. Shale and limestone bedrock underlies the unconsolidated deposits. The fill material consists of clay with varying amounts of gravel, sand, and brick. In MSW areas, the overlying fill material and MSW are as thick as 11.5 feet. The MSW encountered is described on the boring logs as "landfill debris" and consists of material such as wood, glass, wire, plastic, and paper. The MSW is underlain by clay. The clay is brown to yellow, ranges in consistency from hard to soft, and ranges in plasticity from high to low. The clay contains minor amounts of gravel, sand, and limestone. The clay is generally not thicker than 3 feet. Shale and limestone bedrock were encountered below the fill, MSW, and clay. The shale is well weathered when first encountered in the borings and becomes less weathered with depth. The shale was typically found at depths ranging from 0.5 foot to 10 feet below ground surface. The limestone beds encountered at shallow depths

were well weathered, but graded more competent with depth. The limestone is interbedded with shale. Limestone was encountered at the surface in a few borings and extended to a depth of 26.5 feet. The shale and limestone beds that were identified in the borings are part of the Walnut Formation, which is approximately 100 to 150 feet thick (Bureau of Economic Geology 1979).

Underlying the Walnut Formation are the Paluxy, Glen Rose, and Travis Peak formations. The three formations are referred to as the Trinity Group aquifer. Limited amounts of highly mineralized groundwater are capable of being produced from the Paluxy and Glen Rose formations. The Travis Peak Formation is the primary source of groundwater.

Groundwater was not encountered in most of the previous borings. However, in those borings where groundwater was encountered, it was typically at depths ranging from 6 to 20 feet. These depths were measured after allowing the borehole to remain open for at least 24 hours.

A detailed discussion of the geology and hydrogeology of the main cantonment is presented in Section 2.0.

8.5.4 Contaminant Source Information

The landfill contains primarily MSW, as well as some concrete rubble. MSW includes wastes from residential households, commercial facilities, and light industrial facilities. The most common items found in MSW include newsprint, paper, yard wastes, diapers, textiles plastics, food wastes, and wood. Chemical constituents and characteristics of MSW landfill leachate commonly include organic nitrogen, ammonia nitrogen, nitrates, total phosphorus, organic phosphorus, alkalinity, corrosivity (acidic at $\text{pH} < 2$, basic at $\text{pH} > 12$), calcium, magnesium, potassium, sodium, chloride, sulfate, and total iron. Other constituents frequently found in an uncontrolled landfill such as this include cadmium, zinc, chromium, copper, nickel, lead, and volatile organic compounds resulting from disposal of paint, solvents, and waste oils. Therefore, sampling for this RFI will focus on determining the concentrations of heavy metals and organics.

8.5.5 Data Gaps

No previous investigations have been performed at Site FH-006 to characterize the material in the landfill or determine if there has been a release of hazardous wastes from the landfill. Basic information is needed to determine if materials

Closed Municipal Solid Waste Inventory

Permit #

Site Name

FH-006

Site Location:

On main Fort Hood, located immediately southwest of the intersection of Turkey Run Rd and Clear Creek Rd.

Type Facility Trench type Municipal

Site Lat. N 31°09.192'

Site Long. W 97°48.310'

Nearest City Fort Hood

County 50

Population served nd

Tons/day nd

Date site opened - before 1972

Date site closed - unknown!

Size in acres - 30 acres

Household - yes

Const. + Demo. - yes

Industrial - yes

Tires

Agriculture

Brush - yes

Other

Hazardous - possibly!

Legal Actions - no

Maximum Depth of fill 8'-10'

Final Cover thickness 6"

Comments -In the 1960's refuse burned before buried. Aerial photo research indicate treches oriented north/south in eastern half and northeast/southeast in the western. A motorpool hardstand and four building build prior to 1986 exist over 2 to 3 arces of the landfill area. Records indicate some waste removed during construction. Site presently undeveloped land. Site contains municipal solid waste and some construction debris, primary rubble. MSW includes wastes from residential households, commerical, light industrial facilities. Wastes include newsprint, paper, yard waste, diapers, textiles, plastics, food wastes and wood.

Coryell County

**FINAL
RCRA FACILITY INVESTIGATION
for
Fort Hood
Site FH-009
Abandoned Sanitary Landfill 9**

**Prepared for
U.S. Army Corps of Engineers
Fort Worth District**

December 1995

**Prepared by
Black & Veatch Waste Science, Inc.
Overland Park, Kansas**

**Contract No. DACA47-93-D-0035
BVWS Project No. 40544**

CORYELL COUNTY

8.8 Site FH-009, Abandoned Sanitary Landfill 9

This section includes the RCRA facility investigation (RFI) work plan for abandoned Sanitary Landfill 9. This section is organized as follows:

- Unit Operation and History.
- Topography and Hydrology.
- Site-Specific Geology.
- Contaminant Source Information.
- Data Gaps.
- Potential Contaminant Pathways.
- Investigation Plan.
- Health and Safety Plan.
- Schedule.

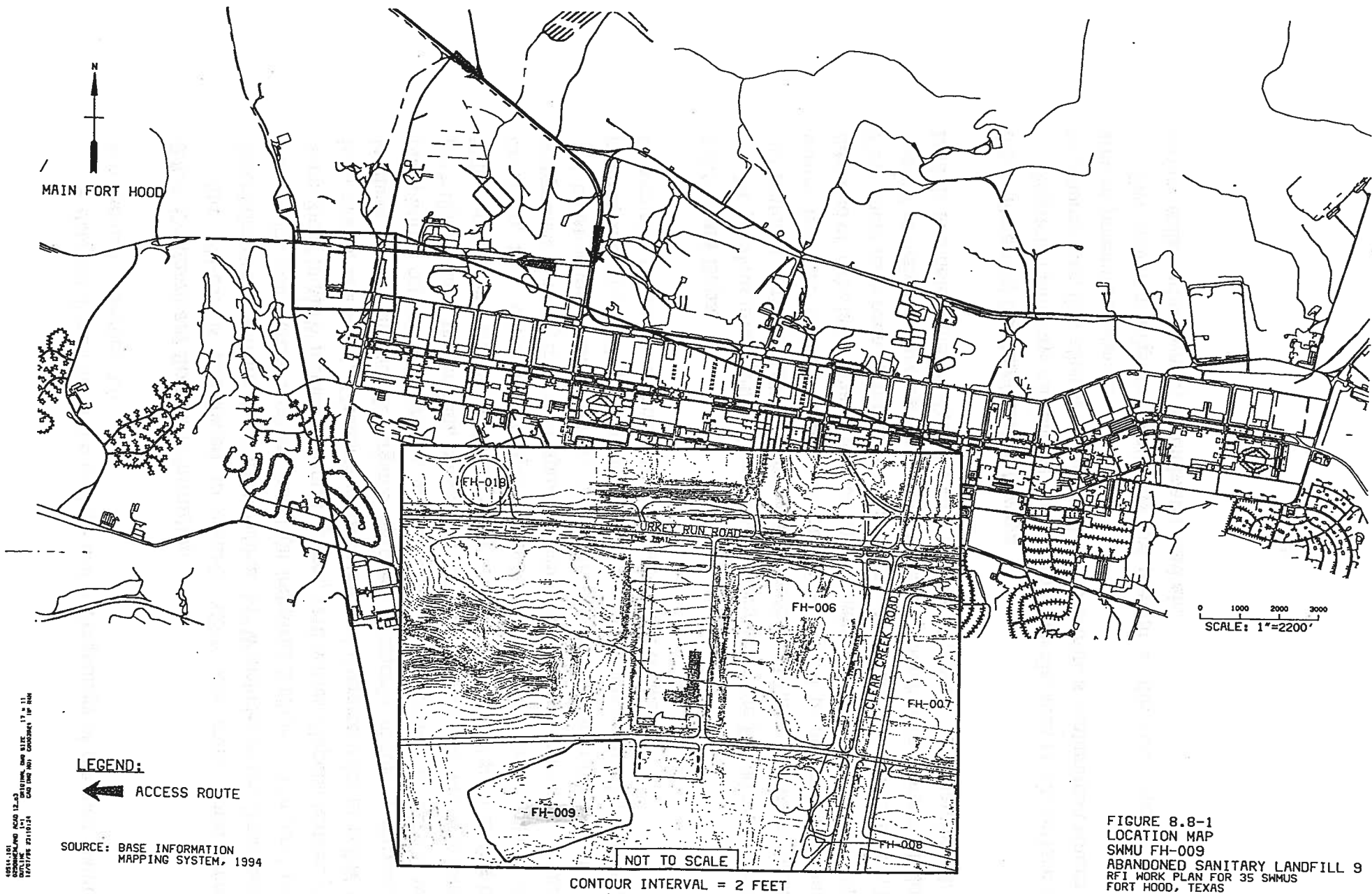
8.8.1 Unit Operation and History

This landfill site is located west of Site FH-008, at the west end of North Avenue. A golf course is located to the west of the site. The site is completely undeveloped and is covered primarily by small scrub brush and small to medium sized trees, as shown in Photographs 13 and 14. The site was a trench type landfill, approximately 8 acres in size, based on the Figure 8.8-1. It was covered with approximately 6 inches of soil when closed. The landfill was operated prior to 1972 (Hood 1991). Aerial photos from the mid 1970s were discovered during data collection activities and a site visit conducted at Fort Hood during April 1995. Trench locations are quite apparent on these photos. Trench orientation generally appears to be east-northeast to west-southwest. No further historical or operational information was discovered during data collection activities and the site visit. No evidence of leachate was observed on the surface of the site during the site visit.

The location map showing general features and location of the disposal site is presented as Figure 8.8-1.

8.8.2 Topography and Hydrology

Local relief at Site FH-009 is approximately 15 feet, ranging in elevation from 910 feet above mean sea level (msl) at the eastern boundary to approximately 895 feet above msl at the western boundary. The site slopes to the west towards the unnamed tributary of Clear Creek that drains the site. A general discussion of the topography and hydrology of the main cantonment is presented in Section 2.0.



CORYELL COUNTY

A detailed discussion of the geology and hydrogeology of the main cantonment is presented in Section 2.0.

8.8.4 Contaminant Source Information

Site FH-009 is anticipated to contain MSW and some construction and demolition debris, specifically concrete rubble. MSW includes wastes from residential households, commercial facilities, and light industrial facilities. The most common items found in MSW include newsprint, paper, yard wastes, diapers, textiles, plastics, food wastes, and wood. Chemical constituents and characteristics of MSW landfill leachate commonly include organic nitrogen, ammonia nitrogen, nitrates, total phosphorus, organic phosphorus, alkalinity, corrosivity (acidic at $\text{pH} < 2$, basic at $\text{pH} > 12$), calcium, magnesium, potassium, sodium, chloride, sulfate, and total iron. Other constituents frequently found in an uncontrolled landfill such as this include cadmium, zinc, chromium, copper, cyanide, nickel, lead, and volatile organic compounds resulting from the disposal of paint, solvents, and waste oils. Demolition and construction wastes typically are made up of concrete rubble, metal, wood plastics, and other building materials. Therefore, sampling for this RFI will focus on determining the concentrations of heavy metals and organics.

8.8.5 Data Gaps

No previous investigations have been performed at Site FH-009 to characterize the material in the landfill or determine if there has been a release of hazardous wastes from the landfill. Basic information is needed to determine if materials disposed of in the landfill have released contaminants into the soil around the landfill. Since there have been no previous soil borings at this landfill site, information is also needed to define the geology, determine whether groundwater is present below the landfill, and determine whether the groundwater, if present, is contaminated.

8.8.6 Potential Contaminant Pathways

Migration pathways are the various transport media, such as air, surface water, or groundwater, that allow a contaminant to move from a contaminant source to an area of potential exposure.

Five potential migration pathways are present at this site: subsurface soils, surface soils, surface water, groundwater, and air.

J 2574

fh-009.txt

Closed Municipal Solid Waste Inventory

Permit #

Site Name FH-009

Site Location:

On main Fort Hood, located west of Site FH-008

A golf course is located to the west of the site.

Type Facility Trench type, Municipal

Site Lat. N 31*09.051'

Site Long. W 97*48.420'

Nearest City Fort Hood

County 50

Population served nd

Tons/day nd

Date site opened - before 1972

Date site closed - unknown!

Size in acres - 8 acres

Household - yes

Const. + Demo. - yes

Industrial - yes

Tires

Agriculture

Brush - yes

Other

Hazardous - possibly!

Legal Actions - no

Maximum Depth of fill nd

Final Cover thickness - 6"

comments - Trenches oriented east-northeast to west-southwest.

Site is completely undeveloped and is covered with scrub bush and medium trees. Site might contain municipal solid wastes and some construction debris, primarily rubble. MSW includes wastes from residential households, commercial, light industrial facilities. Wastes include newsprint, paper, yard waste, diapers, textiles, plastics, food wastes and wood.

Coryell
County

Closed Landfill Inventory
Central Texas Council of Governments

Site Identification

County	Coryell County
	Fort Hood
Permitted Site Number	U2572

Location and Boundary

COG Confidence Level	50%
Latitude	31.1516 N
Longitude	97.7999 W
Narrative Location Description	South of Turkey Run Rd and East of Clear Creek Rd
Boundary Description	No Deed Located
Basic Land Units	Tract 010500, Block 1035 and 1031

Land Use

Structures built on it, tactical equipment shops, Wash Rack Pump
Building parking facilities and new road.

Ownership Information

Current Property Owner(s)	US Army
Current Owner(s) Address	US Army; Ft. Hood, TX 76544
Dates of Ownership	Unknown
Land Unit	27 acres

Site History and Current Status

Previous Owner(s)	Unknown
Dates of Operation	Prior to 1972
Enforcement History	Unknown
Types of Waste Disposed	Unknown

Reference Attachments

RCRA Facility Investigation Report Dec. 1995 with map
Fort Hood Data Sheet with map

**FINAL
RCRA FACILITY INVESTIGATION
for
Fort Hood
Site FH-007
Abandoned Sanitary Landfill 7**

**Prepared for
U.S. Army Corps of Engineers
Fort Worth District**

December 1995

**Prepared by
Black & Veatch Waste Science, Inc.
Overland Park, Kansas**

**Contract No. DACA47-93-D-0035
BVWS Project No. 40544**

CORYELL COUNTY

8.6 Site FH-007, Abandoned Sanitary Landfill 7

This section includes the RCRA Facility Investigation (RFI) work plan for abandoned Sanitary Landfill 7. This section is organized as follows:

- Unit Operation and History.
- Topography and Hydrology.
- Site-Specific Geology.
- Contaminant Source Information.
- Data Gaps.
- Potential Contaminant Pathways.
- Investigation Plan.
- Health and Safety Plan
- Schedule.

8.6.1 Unit Operation and History

This landfill site is located immediately southeast of the intersection of Turkey Run Road and Clear Creek Road. The site is about 38 acres in size based on Figure 8.6-1. The facility was a trench-type landfill, utilizing trenches estimated at 15 to 20 feet deep. The landfill was operated prior to 1972. When the landfill was closed, it was covered with approximately 6 inches of soil (Hood 1991).

Aerial photographs, Base Information Mapping (BIM), and interviews with U.S. Army Corps of Engineers (USACE) personnel stationed at Fort Hood were used to determine that the landfill had been divided into two separate areas. A portion of the site, approximately 800 feet by 1,000 feet, is covered by a 10-inch thick concrete pavement and associated buildings that are part of a tactical motor pool facility south of North Avenue. Buildings in this motor pool area include 38051, 38052, 38053, 38054, 38055, 38056, 38061, 38062, and 38063.

Another area, approximately 300 feet by 300 feet and located just north of North Avenue, is covered with 6 inches of crushed asphalt and is used for vehicle assembly and general storage. This storage area is shown in Photographs 11 and 12 taken during the April 1995 site visit. The area is open and is not secured by a perimeter fence. The remaining area north of North Avenue is completely undeveloped and consists of open pasture land with occasional areas of scrub brush and small trees. No evidence of leachate was observed on the surface during the site visit.

The landfill was in existence prior to the construction of North Avenue and the tactical motor pool facility in the late 1970s and early 1980s. North Avenue was completed before the construction of the tactical motor pool facilities. USACE personnel interviewed at Fort Hood indicated that municipal solid waste (MSW) was commonly encountered during the construction of North Avenue. They also indicated that, during motor pool construction, waste materials were discovered extending just north of Park Avenue. Aerial photos of the area from the 1970s indicate that landfill activities extended south beyond Park Avenue to Central Avenue. Furthermore, these photos indicate that trench orientation north of North Avenue was northeast/southwest and was generally north/south to the south of North Avenue. No information was found that described the volume or ultimate disposal of any relocated MSW.

The location map showing general features and location of the disposal site is presented as Figure 8.6-1.

8.6.2 Topography and Hydrology

Local relief at Site FH-007 is approximately 50 feet, ranging in elevation from about 920 feet above mean sea level (msl) at the southern boundary to approximately 870 feet above msl at the northeastern edge of the site. The ground slopes to the north and northeast towards an unnamed tributary of House Creek that drains the site. A general discussion of the topography and hydrology of the main cantonment is presented in Section 2.0.

8.6.3 Site-Specific Geology

No site-specific geologic data from previous subsurface investigations are known to exist for this site.

According to the Geologic Atlas of Texas, Waco Sheet, the Cretaceous age Walnut Formation underlies the unconsolidated soil at the site and is approximately 100 to 150 feet thick (Bureau of Economic Geology 1979). Underlying the Walnut Formation are the Paluxy, Glen Rose, and Travis Peak formations. These three formations are referred to as the Trinity Group aquifer. Limited amounts of highly mineralized groundwater are yielded from the Paluxy and Glen Rose formations. The Travis Peak Formation is the primary water-bearing unit in the area.

Regional geology for this site is contained in the Section 2.0 discussion related to the main cantonment of Fort Hood.

8.6.4 Contaminant Source Information

Site FH-007 is anticipated to contain typical MSW. MSW includes wastes from residential households, commercial facilities, and light industrial facilities. The most common items found in MSW include newsprint, paper, yard wastes, diapers, textiles, plastics, food wastes, and wood. Chemical constituents and characteristics of MSW landfill leachate commonly include organic nitrogen, ammonia nitrogen, nitrates, total phosphorus, organic phosphorus, alkalinity, corrosivity (acidic at $\text{pH} < 2$, basic at $\text{pH} > 12$), calcium, magnesium, potassium, sodium, chloride, sulfate, and total iron. Other constituents frequently found in an uncontrolled landfill such as this include cadmium, zinc, chromium, copper, cyanide, nickel, lead, and volatile organic compounds resulting from the disposal of paint, solvents, and waste oils. Therefore, sampling for this RFI will focus on determining the concentrations of heavy metals and organics.

8.6.5 Data Gaps

No previous investigations have been performed at Site FH-007 to characterize the material in the landfill or determine if there has been a release of hazardous wastes from the landfill. Basic information is needed to determine if materials disposed of in the landfill have released contaminants into the soil around the landfill. Since there have been no previous soil borings at this landfill site, information is also needed to define the geology, determine whether groundwater is present below the landfill, and determine whether the groundwater, if present, is contaminated.

8.6.6 Potential Contaminant Pathways

Migration pathways are the various transport media, such as air, surface water, or groundwater, that allow a contaminant to move from a contaminant source to an area of potential exposure.

Five potential migration pathways are present at this site: subsurface soils, surface soils, surface water, groundwater, and air.

8.6.6.1 Subsurface Soil Pathway. The subsurface soil pathway is an important potential migration pathway because the landfill may have been constructed in native soil without an adequate liner. As a result, the subsurface soils can act as a long-term source of contaminants to other media. Contaminant release to groundwater can occur through leaching during periodic storm events that produce infiltration or



Closed Municipal Solid Waste Inventory

Permit #

Site Name FH-007

Site Location:

On main Fort Hood, located immediately southeast of the intersection of Turkey Run Rd and Clear Creek Rd.

Type Facility Trench type Municipal

Site Lat. N 31°09.110'

Site Long. W 97°48.002'

Nearest City Fort Hood

County 50

Population served nd

Tons/day nd

Date site opened - before 1970

Date site closed - unknown!

Size in acres - 38 acres

Household - yes

Const. + Demo. - yes

Industrial - yes

Tires

Agriculture

Brush - yes

Other

Hazardous - possibly!

Legal Actions - no

Maximum Depth of fill 15'-20'

Final Cover thickness 6"

Comments - 800' x 1000' of landfill cover by 10" concrete pavement and associated buildings that are part of the 1-2/5 INF and 2-8 CAV tactical motorpool facilities south of North Ave. Records indicate waste encountered during construction of North Ave and Motorpool areas. North side of site is presently undeveloped. Site contains municipal solid waste and some construction debris, primary rubble. MSW includes wastes from residential households, commercial, light industrial facilities. Wastes include newsprint, paper, yard waste, diapers, textiles, plastics, food wastes and wood.

Coryell
County

SITE NUMBER : 9

CURRENT STATUS : Abandoned Landfill

PERIOD OF ACTIVITY :

Prior to 1972 (4)
Prior to 1958 (5)

LOCATION :

South of Turkey Run Road and East of Clear Creek Road. See
General Site Map Sheet # 74.

AERIAL PHOTOGRAPHY REFERENCES :

November 25, 1955, Plates 338, 339, and 340 (6).
Figure 14, April 4, 1958, Scale 1:4500 (5).
May 29, 1961, Plates 24, 25, and 26 (8).
June 21, 1962, Plates 19, 20, 21, 54, 55, 56, and 57 (7).
Figure 19, April 3, 1970, Scale 1:12500 (5).
Photobase Map, Sheet 81, December 19, 1982 (3).

EXCERPTS FROM "INSTALLATION ASSESSMENT OF FORT HOOD, TEXAS" (4) :

Site # 7.

GEOLOGICAL BORING LOG REFERENCES :

1997 through # 1999
2038 through # 2043
4029 & # 4030
4108 & # 4109

OTHER REFERENCE DOCUMENTS :

See construction drawings for Tactical Equipment Shop # 38063.

COMMENTS / CONCLUSIONS :

Since the time that this landfill became abandoned, a number of structures have been constructed over this site. The structures include a portion of North Avenue, the concrete hardstands for Tactical Equipment Shops # 38053 and # 38063, and Wash Rack Pump Buildings # 38058 and # 38068. A Tactical Equipment Shop, parking facilities, a new road parallel to

EXISTING
LANDFILL
SITE #5
(ACRES = 60.766)

LAKE HENRY
W/L 867.3
3PT-4216

3PT-4215

8A-42

3PT-4217

8A-1698

6DC-4089

8A-4090

8A-4091

8A-4092

6DC-4083

8A-4080

8A-4081

8A-4082

8A6C-4071

8A-4072

8A-4073

8A-4074

TURKEY RUN ROAD

ABANDONED LANDFILL
SITE #9
(ACRES = 27.290)

CLOSE IN
TRAINING AREA

CLEAR CREEK ROAD

8A-1628

8A-1625

8A-1619

10A-3718

10A-3713

8A-1618

10A-3936

10A-3957

8A-1627

10A-2041

8A-1614

10A-2038

10A-2039

10A-2040

10A-2042

8A-1997

8A-1999

10A-2043

8A-4109

38058

38058

38029

8A-4029

10A-4108

8A-4030

10A-1922

8A-1914

38008

10A-1921

10A-1148

ABANDONED LANDFILL
SITE #10
(ACRES = 15.909)

CORYELL COUNTY

SITE #9

ABANDONED LANDFILL

CLOSE IN
TRAINING AREA

ABANDONED LANDFILL
SITE #10
(ACRES = 15.909)

CORYELL COUNTY

Closed Landfill Inventory
Central Texas Council of Governments

Site Identification

County	Coryell County
	Fort Hood
Permitted Site Number	U2573

Location and Boundary

COG Confidence Level	50%
Latitude	31.1509 N
Longitude	97.8032 W
Narrative Location Description	On main Ft. Hood, located just North of site FH 6 near intersection of north Clear Creek Rd.
Boundary Description	No Deed Located
Basic Land Units	Tract 010500, Block 1036

Land Use

Several Ft. Hood buildings

Ownership Information

Current Property Owner(s)	US Army
Current Owner(s) Address	US Army; Ft. Hood, TX 76544
Dates of Ownership	Unknown
Land Unit	1 acre

Site History and Current Status

Previous Owner(s)	Unknown
Dates of Operation	Before 1972- unknown
Enforcement History	Unknown
Types of Waste Disposed	Construction debris, household, light industrial

Reference Attachments

RCRA Facility Investigation Report Dec. 1995 with map

**FINAL
RCRA FACILITY INVESTIGATION
for
Fort Hood
Site FH-008
Abandoned Sanitary Landfill 8**

**Prepared for
U.S. Army Corps of Engineers
Fort Worth District**

December 1995

**Prepared by
Black & Veatch Waste Science, Inc.
Overland Park, Kansas**

**Contract No. DACA47-93-D-0035
BVWS Project No. 40544**

CORYELL COUNTY

8.7 Site FH-008, Abandoned Sanitary Landfill 8

This section includes the RCRA (RFI) work plan for abandoned Sanitary Landfill

8. This section is organized as follows:

- Unit Operation and History.
- Topography and Hydrology.
- Site-Specific Geology.
- Contaminant Source Information.
- Data Gaps.
- Potential Contaminant Pathways.
- Investigation Plan.
- Health and Safety Plan.
- Schedule.

8.7.1 Unit Operation and History

This site is located just south of Site FH-006, near the intersection of North Avenue and Clear Creek Road. Based on the recollections of current Fort Hood personnel, the site is approximately 1 acre in size. There is a high probability that the facility was a borrow pit, rather than a municipal solid waste (MSW) landfill. The facility was operated prior to 1972 (Hood 1991). The site currently appears as mounds of soil and rock, with only sporadic vegetation growing on the slopes. Aerial photographs of the area taken in the 1970s were reviewed, and revealed no evidence of this disposal site. No further historical or operational data were discovered during data collection activities and a site visit conducted at Fort Hood during April 1995. No potential leachate was observed on the surface of the site during the site visit.

The location map showing general features and location of the disposal site is presented as Figure 8.7-1.

8.7.2 Topography and Hydrology

Site FH-008 is relatively flat with a gentle slope to the northeast. The approximate elevation of the site is 920 feet above mean sea level. It is drained by an unnamed tributary of House Creek. A general discussion of the topography and hydrology of the main cantonment is presented in Section 2.0.

A detailed discussion of the geology and hydrogeology of the main cantonment is presented in Section 2.0.

8.7.4 Contaminant Source Information

Site FH-008 may have operated as a borrow pit, rather than as a landfill. However, because of the uncontrolled nature of the site during operations, there may be some MSW at this location. MSW includes wastes from residential households, commercial facilities, and light industrial facilities. The most common items found in MSW include newsprint, paper, yard wastes, diapers, textiles, plastics, food wastes, and wood. Other chemical constituents and characteristics of MSW landfill leachate commonly include organic nitrogen, ammonia nitrogen, nitrates, total phosphorus, organic phosphorus, alkalinity, corrosivity (acidic at $\text{pH} < 2$, basic at $\text{pH} > 12$), calcium, magnesium, potassium, sodium, chloride, sulfate, and total iron. Constituents frequently found in an uncontrolled landfill such as this include cadmium, zinc, chromium, copper, cyanide, nickel, and volatile organic compounds resulting from the disposal of paint, solvents, and waste oils. Therefore, sampling for this RFI will focus on determining the concentrations of heavy metals and organics.

8.7.5 Data Gaps

No previous investigations have been performed at site FH-008 to characterize the material in the landfill or determine if there has been a release of hazardous wastes from the landfill. Basic information is needed to determine if materials disposed of in the landfill have released contaminants into the soil around the landfill. Since there have been no previous soil borings at this landfill site, information is also needed to define the geology, determine whether groundwater is present below the landfill, and determine whether the groundwater, if present, is contaminated.

8.7.6 Potential Contaminant Pathways

Migration pathways are the various transport media, such as air, surface water, or groundwater, that allow a contaminant to move from a contaminant source to an area of potential exposure.

Five potential migration pathways are present at this site: subsurface soils, surface soils, surface water, groundwater, and air.

Closed Municipal Solid Waste Inventory

Permit #

Site Name FH-008

Site Location:

On main Fort Hood, located just south of Site FH-006
near the intersection of North Ave and Clear Creek Rd.

Type Facility Borrow pit type, Municipal

Site Lat. N 31*09.059'

Site Long. W 97*48.223'

Nearest City Fort Hood

County 50

Population served nd

Tons/day nd

Date site opened - before 1972

Date site closed - unknown!

Size in acres - one acre

Household - yes

Const. + Demo. - yes

Industrial - yes

Tires

Agriculture

Brush - yes

Other

Hazardous - possibly!

Legal Actions - no

Maximum Depth of fill nd

Final Cover thickness nd

Comments - Very little site information. Site might contain
municipal solid waste and some construction debris,
primarily rubble. MSW includes wastes from residential
households, commercial, light industrial facilities.
Wastes include newsprint, paper, yard waste, diapers,
textiles, plastics, food wastes and wood.

Coryell County

Closed Landfill Inventory
Central Texas Council of Governments

Site Identification

County	Coryell County
	Fort Hood
Permitted Site Number	U2574

Location and Boundary

COG Confidence Level	25%
Latitude	31.1540 N
Longitude	97.8130 W
Narrative Location Description	South of Turkey Run Road near Clear Creek Golf Course
Boundary Description	No Deed Located
Basic Land Units	Tract 010500, Block 1036

Land Use	Clear Creek Golf Course
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Ownership Information

Current Property Owner(s)	US Army
Current Owner(s) Address	US Army; Ft. Hood, TX 76544
Dates of Ownership	Unknown
Land Unit	4 acres

Site History and Current Status

Previous Owner(s)	Unknown
Dates of Operation	Prior to 1972
Enforcement History	Unknown
Types of Waste Disposed	Unknown

Reference Attachments

RCRA Facility Investigation Dec. 1995 with map
Fort Hood Data Sheet

**FINAL
RCRA FACILITY INVESTIGATION
for
Fort Hood
Site FH-006
Abandoned Sanitary Landfill 6**

**Prepared for
U.S. Army Corps of Engineers
Fort Worth District**

December 1995

**Prepared by
Black & Veatch Waste Science, Inc.
Overland Park, Kansas**

**Contract No. DACA47-93-D-0035
BVWS Project No. 40544**

CORYELL COUNTY

8.5 Site FH-006, Abandoned Sanitary Landfill 6

This section includes the RCRA Facility Investigation (RFI) work plan for abandoned Sanitary Landfill 6. This section is organized as follows:

- Unit Operation and History.
- Topography and Hydrology.
- Site-Specific Geology.
- Contaminant Source Information.
- Data Gaps.
- Potential Contaminant Pathways.
- Investigation Plan.
- Health and Safety Plan
- Schedule.

8.5.1 Unit Operation and History

The landfill site is located immediately southwest of the intersection of Turkey Run Road and Clear Creek Road. Based on Figure 8.5-1, the landfill is approximately 30 acres in size. Individual trenches were constructed to a depth of about 8 to 10 feet and were roughly the width of a single dozer blade. In the 1960s, refuse was burned before it was buried in the landfill. Aerial photos of the area taken in the 1970s were reviewed. Individual trenches are visible on these photos. In the eastern half of the landfill, the trenches appear to be oriented north/south; in the western half, they are oriented northeast/southwest. The only information known about the dates of operation is that the facility was operated prior to 1972. The trenches were covered with 6 inches of soil when closed.

A motor pool hardstand (concrete) and four associated buildings were built prior to 1986 and are still in existence, covering approximately 2 to 3 acres of the landfill area. The four buildings include a Tactical Equipment Shop and smaller support buildings and are numbered Buildings 44010, 44011, 44012, and 44013, respectively (Hood 1991). An incomplete set of as-built drawings for this facility was available at Fort Hood during data collection activities in April 1995. The drawings indicate that some municipal solid waste (MSW) was removed from the landfill during the construction of these facilities. The volume and characteristics of the removed waste are not documented by the drawings. However, the waste that was removed was apparently excavated to native soil, and was disposed of by the construction contractor off government-owned property. Utility information for the facility was

not included on the drawings. Boring log data were included on the drawings and are discussed in Subsection 8.5.3.

An active sanitary landfill is operated immediately north of this site, across Turkey Run Road. Because the landfills are separated by Turkey Run Road, RFI activities at FH-006 will not be impacted by activities at the operating landfill. Furthermore, surface drainage from each landfill is not related. Surface drainage from the active landfill flows to the north, and surface drainage from FH-006 flows east and west.

The location map showing the general features and location of Site FH-006 is presented as Figure 8.5-1. Photographs 9 and 10 present the characteristics of the site and are shown on the following page.

8.5.2 Topography and Hydrology

Local relief at Site FH-006 is about 10 feet. The site is at an approximate elevation of 900 feet above mean sea level (msl). The east portion of the site is drained by an unnamed tributary of House Creek, and the west portion of the site is drained by an unnamed tributary of Clear Creek.

8.5.3 Site-Specific Geology

For this site, records of 45 boring logs were reviewed. The borings were drilled in September 1984, and in November 1985 (Tactical Equipment Shop, Building 44012 1986). The shallow stratigraphic sequence varies from boring to boring. Fill material and clay were found at the ground surface. Shale and limestone bedrock underlies the unconsolidated deposits. The fill material consists of clay with varying amounts of gravel, sand, and brick. In MSW areas, the overlying fill material and MSW are as thick as 11.5 feet. The MSW encountered is described on the boring logs as "landfill debris" and consists of material such as wood, glass, wire, plastic, and paper. The MSW is underlain by clay. The clay is brown to yellow, ranges in consistency from hard to soft, and ranges in plasticity from high to low. The clay contains minor amounts of gravel, sand, and limestone. The clay is generally not thicker than 3 feet. Shale and limestone bedrock were encountered below the fill, MSW, and clay. The shale is well weathered when first encountered in the borings and becomes less weathered with depth. The shale was typically found at depths ranging from 0.5 foot to 10 feet below ground surface. The limestone beds encountered at shallow depths

were well weathered, but graded more competent with depth. The limestone is interbedded with shale. Limestone was encountered at the surface in a few borings and extended to a depth of 26.5 feet. The shale and limestone beds that were identified in the borings are part of the Walnut Formation, which is approximately 100 to 150 feet thick (Bureau of Economic Geology 1979).

Underlying the Walnut Formation are the Paluxy, Glen Rose, and Travis Peak formations. The three formations are referred to as the Trinity Group aquifer. Limited amounts of highly mineralized groundwater are capable of being produced from the Paluxy and Glen Rose formations. The Travis Peak Formation is the primary source of groundwater.

Groundwater was not encountered in most of the previous borings. However, in those borings where groundwater was encountered, it was typically at depths ranging from 6 to 20 feet. These depths were measured after allowing the borehole to remain open for at least 24 hours.

A detailed discussion of the geology and hydrogeology of the main cantonment is presented in Section 2.0.

8.5.4 Contaminant Source Information

The landfill contains primarily MSW, as well as some concrete rubble. MSW includes wastes from residential households, commercial facilities, and light industrial facilities. The most common items found in MSW include newsprint, paper, yard wastes, diapers, textiles plastics, food wastes, and wood. Chemical constituents and characteristics of MSW landfill leachate commonly include organic nitrogen, ammonia nitrogen, nitrates, total phosphorus, organic phosphorus, alkalinity, corrosivity (acidic at $\text{pH} < 2$, basic at $\text{pH} > 12$), calcium, magnesium, potassium, sodium, chloride, sulfate, and total iron. Other constituents frequently found in an uncontrolled landfill such as this include cadmium, zinc, chromium, copper, nickel, lead, and volatile organic compounds resulting from disposal of paint, solvents, and waste oils. Therefore, sampling for this RFI will focus on determining the concentrations of heavy metals and organics.

8.5.5 Data Gaps

No previous investigations have been performed at Site FH-006 to characterize the material in the landfill or determine if there has been a release of hazardous wastes from the landfill. Basic information is needed to determine if materials

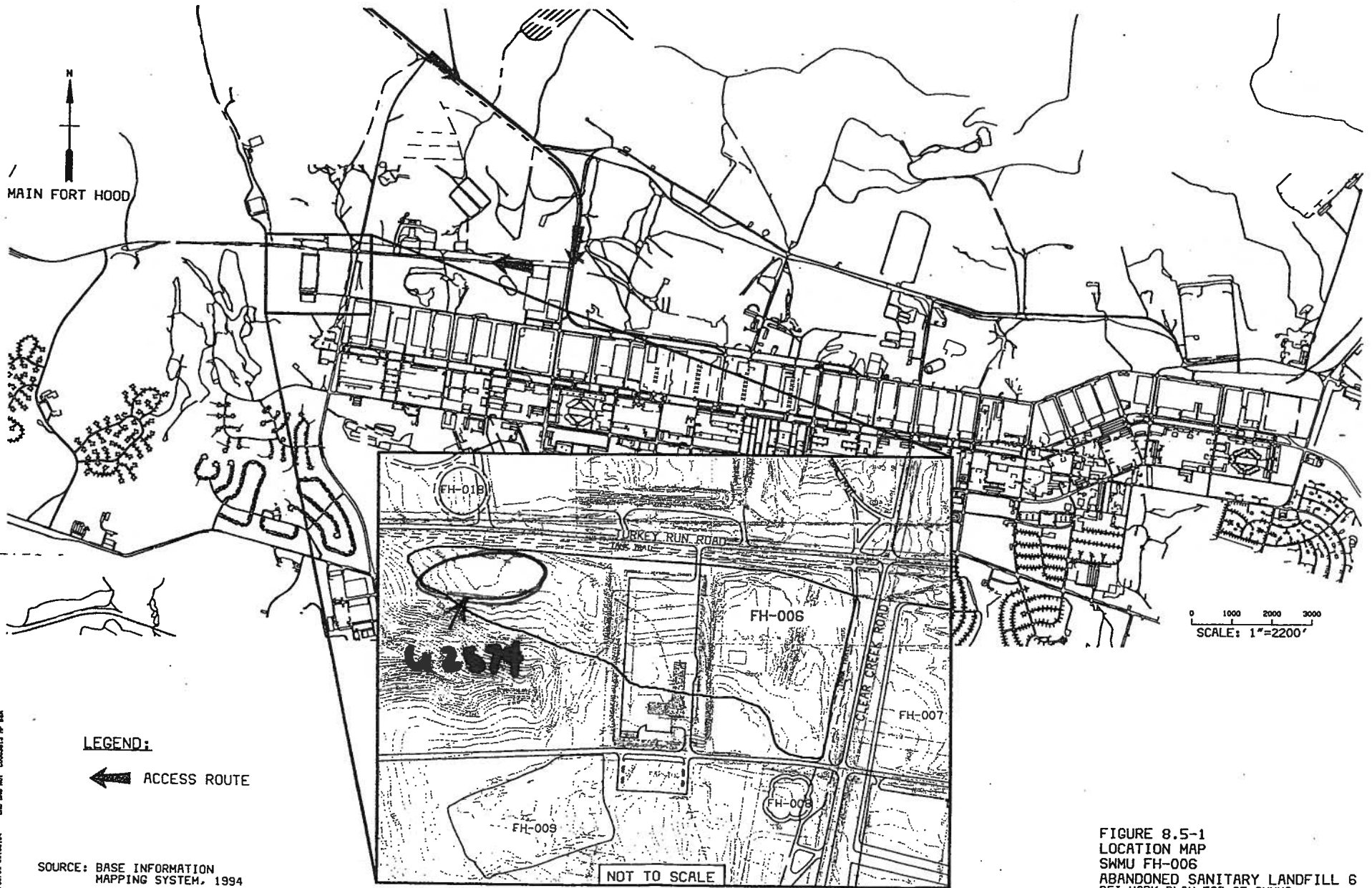
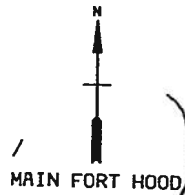


FIGURE 8.5-1
LOCATION MAP
SWMU FH-006
ABANDONED SANITARY LANDFILL 6
RFI WORK PLAN FOR 35 SWMUS
FORT HOOD, TEXAS

SITE NUMBER : 6

CURRENT STATUS : Abandoned Landfill

PERIOD OF ACTIVITY :

After 1961 and prior to 1970 (5,8)

LOCATION :

South of Turkey Run Road near Clear Creek Golf Course. See General Site Map Sheet # 74.

AERIAL PHOTOGRAPHY REFERENCES :

May 29, 1961, Plates 24 and 25 (8).
Figure 19, April 3, 1970, Scale 1:12500 (5).
Photobase Map, Sheet 81, December 19, 1982 (3).

EXCERPTS FROM "INSTALLATION ASSESSMENT OF FORT HOOD, TEXAS" (4) :

Not mentioned in this report.

GEOLOGICAL BORING LOG REFERENCES :

No on-site log data available.
The closest logs, lying to the east and southwest of this site, respectively, are:

1419 & # 1420
1896 through # 1898

COMMENTS / CONCLUSIONS :

This small site is labelled as a "Fill Area" on the 1970 photography in Figure 19. The 1961 photographs show no indications of a landfill. The site contains approximately 4 acres.

ABANDONED
LANDFILL
SITE #3

(ACRES = 50.486)

ABANDONED
LANDFILL
SITE #4

SAFETY ZONE

TURKEY RUN RD

BA-1420
ABANDONED LANDFILL
SITE #7

ABANDONED LANDFILL
SITE #6
ACRES = 4.360)

(ACRES = 43.479)

ABANDONED
LANDFILL
SITE #8

CORYELL COUNTY

Closed Landfill Inventory
Central Texas Council of Governments

Site Identification

County	Coryell County
	Fort Hood
Permitted Site Number	U2578

Location and Boundary

COG Confidence Level	50%
Latitude	31.1471
Longitude	97.8055
Narrative Location Description	North of Battalion Avenue (extended) and West of Clear Creek Rd.
Boundary Description	No Deed Located
Basic Land Units	Tract 010500, Block 1036

Land Use

Baseball fields and vacant land

Ownership Information

Current Property Owner(s)	US Army
Current Owner(s) Address	US Army; Ft. Hood, TX 76544
Dates of Ownership	Unknown
Land Unit	24 acres

Site History and Current Status

Previous Owner(s)	Unknown
Dates of Operation	Prior to 1972
Enforcement History	Unknown
Types of Waste Disposed	Construction debris and household waste

Reference Attachments

RCRA Facility Investigation Report Dec. 1995 with map
Fort Hood Data Sheet with map

SITE NUMBER : 11

CURRENT STATUS : Abandoned Landfill

PERIOD OF ACTIVITY :

Prior to 1972 (4)

LOCATION :

North of Battalion Avenue (Extended) and West of Clear Creek Road. See General Site Map Sheet # 83.

AERIAL PHOTOGRAPHY REFERENCES :

Figure 13, June 2, 1951, Scale 1:10500 (5).
November 25, 1955, Plates 338 and 339 (6).
Figure 14, April 4, 1958, Scale 1:4500 (5).
May 29, 1961, Plates 24 and 25 (8).
June 21, 1962, Plates 95, 96, and 97 (7).
July 11, 1962, Plates 314, 315, and 316 (9).
Figure 19, April 3, 1970, Scale 1:12500 (5).
Photobase Map, Sheets 81 and 91, December 19, 1982 (3).

EXCERPTS FROM "INSTALLATION ASSESSMENT OF FORT HOOD, TEXAS" (4) :

Site # 10.

GEOLOGICAL BORING LOG REFERENCES :

1413 through # 1415
1596 through # 1609
3184 through # 3192

OTHER REFERENCE DOCUMENTS :

See construction drawings for Brigade Headquarters # 43001.

COMMENTS / CONCLUSIONS :

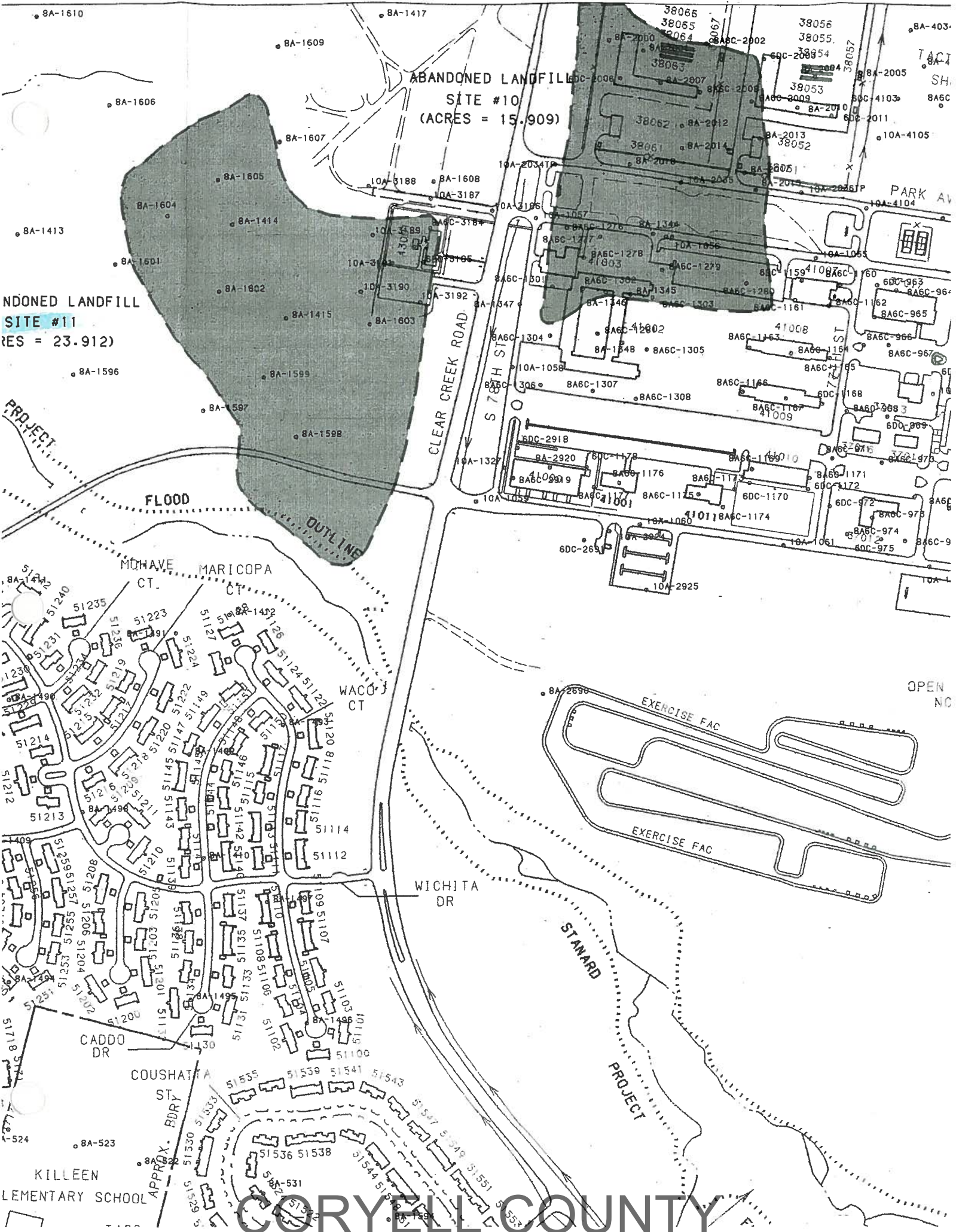
A number of structures are planned for future construction, or have recently been constructed, in the area of this abandoned landfill. The area directly over the landfill is occupied by an outdoor exercise facilities, including ballfields. A Barracks Complex, with Branch Exchange, Fitness Center, Battalion Headquarters & Classrooms, Enlisted Men Club, and

SITE NUMBER : 11 (continued)

Fast Food Facility have been planned around the abandoned landfill limits.

Landfills at this site were operated at two different times. Neither site had activity prior to the 1955 photography. An active landfill is visible on Figure 14, April 5, 1958, in the northwest portion of the site, and "possible rubble" had been dumped on the surface of the southern portion the the site. The landfill operation on the northwest area had been completed by 1961, and the surface dumping was still visible on both the 1961 and 1962 photography. Figure 19, April 3, 1970, labels the southern portion of the site as a "landfill", although the site appears to be inactive. The landfill operations appear to have moved to the north of Turkey Run Road, to the site of the present landfill (Site 5).

This site contains approximately 24 acres.



ABANDONED LANDFILL
SITE #10
(ACRES = 15.909)

ABANDONED LANDFILL
SITE #11
(ACRES = 23.912)

CORYELL COUNTY

**FINAL
RCRA FACILITY INVESTIGATION
for
Fort Hood
Site FH-010
Abandoned Sanitary Landfill 10**

**Prepared for
U.S. Army Corps of Engineers
Fort Worth District**

DECEMBER 1995

**Prepared by
Black & Veatch Waste Science, Inc.
Overland Park, Kansas**

**Contract No. DACA47-93-D-0035
BVWS Project No. 40544**

CORYELL COUNTY

8.9 Site FH-010, Abandoned Sanitary Landfill 10

This section includes the RCRA facility investigation (RFI) work plan for abandoned Sanitary Landfill 10. This section is organized as follows:

- Unit Operation and History.
- Topography and Hydrology.
- Site-Specific Geology.
- Contaminant Source Information.
- Data Gaps.
- Potential Contaminant Pathways.
- Investigation Plan.
- Health and Safety Plan.
- Schedule.

8.9.1 Unit Operation and History

This landfill site is located on the west side of Clear Creek Road and north of Battalion Avenue. The site was a trench-type landfill, approximately 15 acres in size, based on the Figure 8.9-1. The typical trench depth is unknown. The landfill was operated prior to 1972 and was covered with approximately 6 inches of soil when closed. An additional 2 feet of soil cover was added and baseball fields were constructed in 1985. The two baseball fields are known as Buildings 52391 and 52392 and include appurtenant features such as dugouts, sidewalks, fencing, and electric lighting (Hood 1991). Photographs 15 and 16 show the site characteristics. A partial set of as-built drawings of the electrical system at the baseball fields was found. However, these drawings offered no data relevant to this RFI.

Aerial photographs taken in the mid 1970s were found that clearly show the outlines of landfill trenches. Trench orientation is generally northwest/southeast. Physical evidence of the landfill operations is no longer visible at the site. Except for the aerial photography and the electrical as-built drawings, no other historical or operational information was discovered for the landfill or for the baseball fields during data collection activities and a site visit conducted at Fort Hood during April 1995. No evidence of leachate was observed on the surface during the site visit.

The Fort Hood Base Information Mapping (BIM) did not show any landfill or other features at this location. The landfill boundary shown on Figure 8.9-1 was taken exclusively from the aerial photos previously referenced. The footprint as

shown can be reliably located from adjacent manmade features. Therefore, a geophysical investigation is not required.

The location map showing general features and location of the landfill site is presented as Figure 8.9-1.

8.9.2 Topography and Hydrology

Site FH-010 is located at the approximate elevation of 900 feet above mean sea level (msl). The site slopes to the west towards an unnamed tributary of Clear Creek that drains the site. A general discussion of the topography and hydrology of the main cantonment is presented in Section 2.0.

8.9.3 Site-Specific Geology

No site-specific geologic data from previous subsurface investigations are known to exist for this site.

According to the Geologic Atlas of Texas, Waco Sheet, the Cretaceous age Walnut Formation underlies the unconsolidated soil at the site and is approximately 100 to 150 feet thick (Bureau of Economic Geology 1979). Underlying the Walnut Formation are the Paluxy, Glen Rose, and Travis Peak formations. These three formations are referred to as the Trinity Group aquifer. Limited amounts of highly mineralized groundwater are yielded from the Paluxy and Glen Rose formations. The Travis Peak Formation is the primary water-bearing unit in the area.

Regional geology for this site is contained in the section 2.0 discussion related to the main cantonment of Fort Hood.

8.9.4 Contaminant Source Information

Site FH-010 is anticipated to contain municipal solid waste (MSW) and concrete rubble. MSW includes wastes from residential households, commercial facilities, and light industrial facilities. The most common items found in MSW include newsprint, paper, yard wastes, diapers, textiles, plastics, food wastes, and wood. Chemical constituents and characteristics of MSW landfill leachate commonly include organic nitrogen, ammonia nitrogen, nitrates, total phosphorus, organic phosphorus, alkalinity, corrosivity (acidic at $\text{pH} < 2$, basic at $\text{pH} > 12$), calcium, magnesium, potassium, sodium, chloride, sulfate, and total iron. Other constituents frequently found in an uncontrolled landfill such as this include cadmium, zinc, chromium, copper, cyanide, lead, and volatile organic compounds resulting from the disposal of paint, solvents,

and waste oils. Therefore, sampling for this RFI will focus on determining the concentration of heavy metals and organics.

8.9.5 Data Gaps

No previous investigations have been performed at Site FH-010 to characterize the material in the landfill or determine if there has been a release of hazardous wastes from the landfill. Basic information is needed to determine if materials disposed of in the landfill have released contaminants into the soil around the landfill. Since there have been no previous soil borings at this landfill site, information is also needed to define the geology, determine whether groundwater is present below the landfill, and determine whether the groundwater, if present, is contaminated.

8.9.6 Potential Contaminant Pathways

Migration pathways are the various transport media such as air, surface water, or groundwater, that allow a contaminant to move from a contaminant source to an area of potential exposure.

Five potential migration pathways are present at this site: subsurface soils, surface soils, surface water, groundwater, and air.

8.9.6.1 Subsurface Soil Pathway. The subsurface soil pathway is an important potential migration pathway because the landfill may have been constructed in native soil without an adequate liner. As a result, the subsurface soils can act as a long-term source of contaminants to other media. Contaminant release to groundwater can occur through leaching during periodic storm events that produce infiltration. The highest concentrations of contaminants would be expected to be deposited in the subsurface soils immediately beneath the landfill waste. Based on the geology and hydrogeology of the main containment area, the potential for the subsurface pathway is minimal.

8.9.6.2 Surface Soil Pathway. Long-term exposure to heavy rainfall, wind, and general erosion of the existing soil cover will provide a migration pathway for surface soils. The surface soils may release contaminants to the atmosphere through partitioning from soil particles and volatilization. The soil cover and grass at FH-010 prevents exposure of landfill waste and minimizes a potential release of contaminants to the atmosphere.

Closed Municipal Solid Waste Inventory

Permit #

Site Name FH-010

Site Location:

On main Fort Hood, located west side of Clear Creek Rd.
and north of Battalion Ave.

Type Facility Trench type, Municipal

Site Lat. N 31*08.821'

Site Long. W 97*48.365'

Nearest City Fort Hood

County 50

Population served nd

Tons/day nd

Date site opened - before 1972

Date site closed - unknown!

Size in acres - 15 acres

Household - yes

Const. + Demo. - yes

Industrial - yes

Tires

Agriculture

Brush - yes

Other

Hazardous - possibly!

Legal Actions - no

Maximum Depth of fill unknown

Final Cover thickness - 24+"

comments - Site is presently the site of two baseball fields
with dugouts, sidewalks, fencing, and electric lighting
Site contains municipal solid wastes and some construction
debris, primarily rubble. MSW includes wastes from
residential households, commercial, light industrial
facilities. Wastes include newsprint, paper, yard waste,
diapers, textiles, plastics, food wastes and wood.

Coryell County

Closed Landfill Inventory
Central Texas Council of Governments

Site Identification

County	Coryell County
	Fort Hood
Permitted Site Number	U2579

Location and Boundary

COG Confidence Level	50%
Latitude	31.1325 N
Longitude	97.8123 W
Narrative Location Description	South of Copperas Cove
Boundary Description	No Deed Located
Basic Land Units	Tract 010500, Block 1043

Land Use	Vacant
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Ownership Information

Current Property Owner(s)	US Army
Current Owner(s) Address	US Army; Ft. Hood, TX 76544
Dates of Ownership	Unknown
Land Unit	37 acres

Site History and Current Status

Previous Owner(s)	Unknown
Dates of Operation	Prior to 1962
Enforcement History	Unknown
Types of Waste Disposed	Construction debris, rubble, household waste

Reference Attachments

RCRA Facility Investigation Report Dec. 1995 with map
Fort Hood Data Sheet with map

**FINAL
RCRA FACILITY INVESTIGATION
for
Fort Hood
Site FH-011
Abandoned Sanitary Landfill 11**

**Prepared for
U.S. Army Corps of Engineers
Fort Worth District**

December 1995

**Prepared by
Black & Veatch Waste Science, Inc.
Overland Park, Kansas**

**Contract No. DACA47-93-D-0035
BVWS Project No. 40544**

CORYELL COUNTY

8.10 Site FH-011, Abandoned Sanitary Landfill 11

This section includes the RCRA facility investigation (RFI) work plan for abandoned Sanitary Landfill 11. This section is organized as follows:

- Unit Operation and History.
- Topography and Hydrology.
- Site-Specific Geology.
- Contaminant Source Information.
- Data Gaps.
- Potential Contaminant Pathways.
- Investigation Plan.
- Health and Safety Plan.
- Schedule.

8.10.1 Unit Operation and History

This landfill site is located just south of Copperas Cove Road and approximately 325 feet west of the Killeen Junior High School and is commonly called Copperas Cove Landfill. Commanche Village II Housing complex is across Copperas Cove Road to the north, approximately 500 feet from the site. The trench-type landfill is estimated to be approximately 25 acres in size and was operated prior to 1972 (Hood 1991). The typical depth of trenches is not known. However, due to trench settlement, depressions along the original trench lines are still visible in some locations. The site is primarily grassland, with occasional pockets of small scrub brush and small trees. An intermittent stream flows west through the approximate center of the site. Several swampy areas exist seasonally along the route of this stream. Near the western edge of the site is a small concrete grade control structure. Roughly 200 feet downstream from the grade control structure, a 10 inch diameter polyvinyl chloride (PVC) pipe discharge is visible in the stream bed. The function and upstream source of this pipe are unknown. During data collection activities and a site visit conducted at Fort Hood during April 1995, the pipe was observed to be flowing at approximately half of its full capacity. The discharged water was tinted a bright red. Also on the west side of the site is an unknown below-grade utility (probably water transmission), and an above-grade electrical transmission line. Photographs of 17 through 22 of the site taken during the April 1995 site visit are shown on the following pages.

In 1980, a site visit was conducted as part of the preparation of a draft work plan entitled *Installation Assessment (I.I.A) of Fort Hood, Texas*, Report Number DRXTH-ES-IA-81188, June 1982 (IIA 1982). During this visit, gas was observed bubbling through water retained on the surface of the landfill. The location of this observation is unknown. Potential leachate was also observed seeping from the soils along the western boundary of the landfill. The precise location of this seepage along the western boundary is also unknown. Subsequently, because of the continued presence of suspected leachate and gas emissions, a U.S. Army Environmental Health Agency (USAEHA) study determined the landfill was not properly closed and recommended the landfill be properly closed.

Fort Hood requested that the U.S. Army Corps of Engineers (USACE), Fort Worth District, investigate the gas emanating from the landfill. In April and May 1984, 13 soil borings were made to determine the approximate perimeter of the landfill. At 5 of these 13 locations, 4 inch PVC wells were installed into bedrock. The 5 wells ranged in depth from 13 to 18 feet below grade. These wells were intended to serve as both gas vents and as groundwater monitoring wells. However, no groundwater was encountered during their installation. The resulting study ultimately indicated that the amount of gas being produced was not dangerous and was not migrating to adjacent buildings and, therefore, did not pose a danger to these buildings. During the review process for this RFI Work Plan it was determined that no written report was prepared. However, drill requests, boring logs, well details, and survey coordinates were found and reviewed.

Fort Hood then requested the USACE to prepare a design for landfill closure. A copy of the resulting *Advance Final, Design Analysis, Copperas Cove Landfill Improvement, August 1984*, was reviewed for this RFI (AFDA 1984). The proposed design included a gas venting system constructed under a 12-inch clay cap over the landfill area and other minor site improvements to control storm drainage on the landfill cap. No design plans or specifications associated with the design analysis were located for review. To date no construction of this design has been initiated.

Aerial photographs of the site taken in the mid 1970s were found and reviewed. These photos show a landfill footprint that roughly confirms the landfill limits as documented in the design analysis. Trench locations on these photos are clearly evident. Trench orientation is generally north-northeast to south-southwest.

Also discovered during data collection activities were as-built drawings of the Maintenance Shop for Nuclear Weapons located just east of the site, outside the apparent landfill limits. These facilities do not impact the landfill or this RFI.

The location map showing general features and location of the disposal site is presented as Figure 8.10-1.

8.10.2 Topography and Hydrology

Local relief at Site FH-011 is approximately 40 feet, ranging in elevation from approximately 890 feet above mean sea level (msl) along the western boundary to 930 feet above msl at the eastern boundary. The site slopes to the west towards an unnamed tributary of Clear Creek that drains the site. A general discussion of the topography and hydrology of the main cantonment is presented in Section 2.0.

8.10.3 Site-Specific Geology

As previously stated, subsurface investigations were performed by the USACE during April and May 1984. The subsurface materials encountered consisted of sand and gravel overburden underlain by limestone primary material. At this site, the sand and gravel overburden ranges in thickness from 1.5 to 6.5 feet. The sand and gravel contains few clay lenses, and is dense to very dense with some loose material at the ground surface, fine to coarse grained, tan to brown, dry, and calcareous. The limestone is described as hard and gray. Thin weathered shale lenses were encountered on top of the limestone in two of the borings. Groundwater was not encountered in any of the borings and all of the soils were described as dry. The field geologist did report that leachate was flowing out of the landfill through the gully at the west edge of the landfill. The water source for the leachate is not known (USACE 1984).

The horizontal locations in Texas State Plane Coordinates for 10 of 13 borings that were drilled as part of the 1984 investigation are listed in Subsection 8.10.7.1. These boring logs are presented on Figures 8.10-2 through 8.10-11. Coordinates or locations were not found for the remaining three borings. As-built drawings for the Maintenance Shop for Nuclear Weapons near the landfill site also contain shallow boring log information collected in 1966. These logs also confirm the presence of 2 to 6 feet of sand and gravel overburden over limestone bedrock.

The limestone and shale encountered in the borings are part of the Walnut Formation (Bureau of Economic Geology 1979) which is approximately 100 to 150

feet thick in this area. Underlying the Walnut Formation are the Paluxy, Glen Rose, and Travis Peak formations. These formations are referred to as the Trinity Group aquifer. Limited amounts of highly mineralized water are produced from the Paluxy and Glen Rose formations. The Travis Peak Formation is the primary water-bearing unit in the area. A detailed discussion of the geology and hydrogeology of the main cantonment of Fort Hood is presented in Section 2.0.

8.10.4 Contaminant Source Information

Site FH-011 is anticipated to contain municipal solid waste (MSW). MSW includes wastes from residential households, commercial facilities, and light industrial facilities. The most common elements found in MSW include newsprint, paper, yard wastes, diapers, textiles, plastics, food wastes, and wood. Chemical constituents and characteristics of MSW landfill leachate commonly include organic nitrogen, ammonia nitrogen, nitrates, total phosphorus, organic phosphorus, alkalinity, corrosivity (acidic at $\text{pH} < 2$, basic at $\text{pH} > 12$), calcium, magnesium, potassium, sodium, chloride, sulfate, and total iron. Other constituents also frequently found in an uncontrolled landfill such as this include cadmium, zinc, chromium, copper, cyanide, nickel, lead, and volatile organic compounds resulting from the disposal of paint, solvents, and waste oils. This site has reportedly had visible leachate observed, attributed to a spring at an unknown location surfacing at the site. Oil sheen has reportedly been observed at a swampy, standing water section of the intermittent stream. Therefore, sampling for this RFI will focus on determining the concentrations of heavy metals and organics.

8.10.5 Data Gaps

No previous investigations have been performed at the landfill site to characterize the material in the landfill or determine if there has been a release of hazardous wastes from the landfill. Basic information is needed to determine if materials disposed of in the landfill have released contaminants into the soil around the landfill.

8.10.6 Potential Contaminant Pathways

Migration pathways are the various transport media, such as air, surface water, or groundwater, that allow a contaminant to move from a contaminant source to an area of potential exposure. Killeen Junior High School and Commanche Village II

are located upgradient from the site and therefore unlikely to be affected by this SWMU.

Five potential migration pathways are present at this site: subsurface soils, surface soils, surface water, groundwater, and air.

8.10.6.1 Subsurface Soil Pathway. The subsurface soil pathway is an important potential migration pathway because the landfill was constructed in native soil without an adequate liner. As a result, the subsurface soils can act as a long-term source of contaminants to other media. Contaminant release to groundwater can occur through leaching during periodic storm events that produce infiltration. Since this site has been reported to have leachate and springs, this is a potential pathway.

8.10.6.2 Surface Soil Pathway. Long-term exposure to heavy rainfall, wind, and general erosion of the existing clean soil cover will provide a migration pathway for surface soils. The surface soils may release contaminants to the atmosphere through partitioning from soil particles and volatilization. The clean soil cover and grass at FH-011 prevent the release of contaminants. Therefore, the surface soil pathway is minimal.

8.10.6.3 Surface Water Pathway. The surface water exposure pathway at this landfill is limited to leachate, ponded water, and stormwater runoff from the site. Runoff will act as a transport of contaminants from areas of a landfill where wastes have been exposed. Reports of leachate seeping from the landfill may be ponded surface water. The discharge from the PVC pipe observed during the site visit may constitute a pathway into the surface drainage channels. The surface water migration pathway may represent a potential pathway even though the landfill at this site is capped with native soil and covered with grass, thus minimizing direct contact with potential landfilled wastes.

Surface drainage runs generally west to an unnamed tributary of the Clear Creek. This tributary is an intermittent stream that flows through the site during rainy periods.

8.10.6.4 Groundwater Pathway. Groundwater contamination from leaching of landfill waste is a potential pathway. In the absence of detailed groundwater data, groundwater movement is assumed to mirror surface topography. Copperas Cove

Closed Municipal Solid Waste Inventory

Permit #

Site Name FH-011

Site Location:

On Main Fort Hood, located just south of Copperas Cove Rd. and approx. 325' west of the Killeen Jr. High School. Commanche Village II Housing Complex is across Copperas Cove Rd. to the north, approx. 500'

Type Facility Borrow pit, Municipal, C+D

Site Lat. N 31*08.047'

Site Long. W 97*48.744'

Nearest City Fort Hood

Population served nd

Tons/day nd

Date site opened - <1972

Date site closed - Unknown

Size in acres - 15 acres

Household - yes

Const. + Demo. - yes

Industrial - yes

Tires

Agriculture

Brush - yes

Other

Hazardous - possibly!

Legal Actions - no

Maximum Depth of fill nd

Final Cover thickness - nd

comments - Site is known as Copperas Cove Landfill. Site is primarily

grassland, scrub bush, and small trees. Intermittent stream flows through the center of site. Gas bubbles and leachate observed in 1980 inspection. Site contains Municipal Solid Wastes and some construction debris, primarily rubble. MSW includes wastes from residential households, commercial, light industrial facilities. Wastes include newsprint, paper, yard waste, diapers, textiles, plastics, food wastes and wood

Coryell County

SITE NUMBER : 13

CURRENT STATUS : Abandoned Landfill

PERIOD OF ACTIVITY :

Active in 1962 (7)
Prior to 1972 (4)

LOCATION :

South of Copperas Cove Road and West of Killeen Jr. High School. See General Site Map Sheet # 83.

AERIAL PHOTOGRAPHY REFERENCES :

Figure 9, December 16, 1943, Scale 1:4500 (5).
Figure 13, June 2, 1951, Scale 1:10500 (5).
May 29, 1961, Plates 13 and 14 (8).
June 22, 1962, Plates 129, 130, 131, 168, and 169 (7).
Photobase Map, Sheet 91, December 19, 1982 (3).

EXCERPTS FROM "INSTALLATION ASSESSMENT OF FORT HOOD, TEXAS" (4) :

"The inactive landfill at site 11 is located in a region of sandy clay capped by plastic clay. The boundary of the landfill area is approximately 200m from the Comanche Village II housing complex and 100m from the Killeen Jr. High School. It was noted during the Team tour that gas is evolving from the landfill area as evidenced by bubbling through standing water puddles (photographs 30, 31, and 32). Gas evolution in landfills results from the continual mineralization of the organic contents. Carbon dioxide is produced under aerobic conditions and methane under anaerobic conditions. As the content continues to lose organic carbon and the fill volume contracts, localized subsurface oxygen levels will vary. As a result either or both gases may be generated. Carbon dioxide is an inert, heavy (50 percent heavier than air) gas. Because of its density it will displace air and in enclosed spaces can produce a suffocating atmosphere. Methane is a light gas (50 percent lighter than air) and will form an explosive mixture with air under proper conditions (5 to 15 percent by volume)."

"These gases can migrate underground for substantial distances before surfacing. Venting directly to the atmosphere does not present problems. However, if the path of travel allows them to surface within buildings, a hazardous build up can result."

SITE NUMBER : 13 (continued)

"Site 11 also has visible leachate, attributed to a spring surfacing at this location. A study conducted in April 1979 by USAEHA Regional Division South concluded that there is no serious environmental impact from the leachate on surface waters (Clear Creek)."

GEOLOGICAL BORING LOG REFERENCES :

3630 through # 3642
4201 & # 4202

COMMENTS / CONCLUSIONS :

There are currently no structures built on the abandoned landfill. An access road to Maintenance Shop # 5000, passing over a portion of the landfill, is proposed on the Master Plan.

Activity at this site did not begin prior to the time of the 1961 photography. An open trench and trucks dumping are visible on the 1962 photography. The actual date when this site was abandoned is unknown, but according to the March, 1986 "Relook", the site was active prior to 1972.

This site contains approximately 37 acres.

(ACRES = 2.734)
ABANDONED
LANDFILL
SITE #12

FLOOD

COMANCHE CIR

KARANKAWA CIR

COPPERAS

APPROX. BDRY

KILL JR. I

SMITH MIDD

MAINT SHOP
NUC WPNS

5000

8A-2200

8A-1582

8A-1593

8A-1576

8A-4202

8A-2639

8A-3638

8A-3640

8A-3637

8A-3635

8A-3636

8A-4201

8A-4200

10A-3630

10A-3631

10A-3632

10A-3633

10A-3641

10A-3642

10A-3634

51779 51781 51778 51767 51774 51763 51776 51773 51771 51764 51766 51745 51747 51740 51751 51753 51755 51754 51756 51758 51732 51730 51731 51735 51733 51701 51703 51705 51709 51711 51713 51715 51704 51706 51708 51710 51712 51714 51716 51718 51720 51722 51724 51726 51728 51730 51732 51734 51736 51738 51740 51742 51744 51746 51748 51750 51752 51754 51756 51758 51760 51762 51764 51766 51768 51770 51772 51774 51776 51778 51780 51782 51784 51786 51788 51790 51792 51794 51796 51798 51799 51800 51801 51802 51803 51804 51805 51806 51807 51808 51809 51810 51811 51812 51813 51814 51815 51816 51817 51818 51819 51820 51821 51822 51823 51824 51825 51826 51827 51828 51829 51830 51831 51832 51833 51834 51835 51836 51837 51838 51839 51840 51841 51842 51843 51844 51845 51846 51847 51848 51849 51850 51851 51852 51853 51854 51855 51856 51857 51858 51859 51860 51861 51862 51863 51864 51865 51866 51867 51868 51869 51870 51871 51872 51873 51874 51875 51876 51877 51878 51879 51880 51881 51882 51883 51884 51885 51886 51887 51888 51889 51890 51891 51892 51893 51894 51895 51896 51897 51898 51899 51900 51901 51902 51903 51904 51905 51906 51907 51908 51909 51910 51911 51912 51913 51914 51915 51916 51917 51918 51919 51920 51921 51922 51923 51924 51925 51926 51927 51928 51929 51930 51931 51932 51933 51934 51935 51936 51937 51938 51939 51940 51941 51942 51943 51944 51945 51946 51947 51948 51949 51950 51951 51952 51953 51954 51955 51956 51957 51958 51959 51960 51961 51962 51963 51964 51965 51966 51967 51968 51969 51970 51971 51972 51973 51974 51975 51976 51977 51978 51979 51980 51981 51982 51983 51984 51985 51986 51987 51988 51989 51990 51991 51992 51993 51994 51995 51996 51997 51998 51999 52000

CORYELL COUNTY

[illegible]

Closed Landfill Inventory
Central Texas Council of Governments

Site Identification

County	Coryell County
	Fort Hood
Permitted Site Number	U2580

Location and Boundary

COG Confidence Level	50%
Latitude	31.3765 N
Longitude	97.6708 W
Narrative Location Description	West of the north end of Longhorn Landing Strip at North Fort Hood
Boundary Description	No Deed Located
Basic Land Units	Tract 010500, Block 1000

Land Use

Vacant (Site is draining and has severe topography)

Ownership Information

Current Property Owner(s)	US Army
Current Owner(s) Address	US Army; Ft. Hood, TX 76544
Dates of Ownership	Unknown
Land Unit	Unknown

Site History and Current Status

Previous Owner(s)	Unknown
Dates of Operation	1940 – 1988
Enforcement History	Unknown
Types of Waste Disposed	Unknown

Reference Attachments

RCRA Facility Investigation Report Dec. 1995 with map
Fort Hood Data Sheet with map