

**RECEIVED**

By Linell Carter at 11:39 am, Jan 08, 2009



Department of Energy  
National Nuclear Security Administration  
Pantex Site Office  
P. O. Box 30030  
Amarillo, TX 79120



JAN -7 2009

**MEMORANDUM FOR:** W. R. Mairson, Environment, Safety, & Health, B&W Pantex

**FROM:**

A handwritten signature in black ink, appearing to read "Johnnie F. Guelker".

Johnnie F. Guelker, Assistant Manager for Environmental  
& Site Engineering Programs

**SUBJECT:** Notice of Approval of an On-Site Sewage Facility

Please reference the attached Texas Commission on Environmental Quality (TCEQ) letter dated December 16, 2008, subject as above.

Attached letter notifies the Pantex Site Office that the On-Site Sewage Facility (OSSF) has satisfied the design, construction, and installation requirements of the TCEQ and pursuant to Title 30, Texas Administrative Code (TAC). TCEQ has approved the OSSF constructed under TCEQ ID No.: 033-0245 and the final inspection occurred on December 16, 2008.

TCEQ also notes that any alterations, extensions, or repairs to the OSSF will require a new permit. If you have any questions, please contact Jane Farris of my staff at extension 3164.

Attachments

cc w/attachment (via email):

D. Riekenberg, SC, PXSO

T. Zimmerman, SS, PXSO

C. Snider, EC, PXSO

J. Farris, EC, PXSO

J. Flowers, RCD, B&W Pantex

D. McBride, RCD, B&W Pantex

D. Franklin, WOD, B&W Pantex

RCD/WOD, Records, B&W Pantex

EC:FY09:080;79281

**RECEIVED**

By Linell Carter at 4:03 pm, Jan 06, 2009



**Department of Energy  
National Nuclear Security Administration  
Pantex Site Office  
P. O. Box 30030  
Amarillo, TX 79120**



JAN - 6 2009

**MEMORANDUM FOR:** W. R. Mairson, Environment, Safety, & Health, B&W Pantex

**FROM:**

A handwritten signature in cursive script, reading "Johnnie F. Guelker".

Johnnie F. Guelker, Assistant Manager for Environmental  
& Site Engineering Programs

**SUBJECT:**

Authorization to Construct an On-Site Sewage Facility

Please reference the attached Texas Commission on Environmental Quality (TCEQ) letter dated December 5, 2008, subject as above.

Referenced letter notifies the Pantex Site Office that the On-Site Sewage Facility (OSSF) application, related technical information, and the appropriate fee have been received by the TCEQ. TCEQ provides authorization for the OSSF construction based on the submitted application and plans.

Pursuant to Title 30, Texas Administrative Code (TAC), Chapter 285, Pantex has one year from the TCEQ approval date of December 5, 2008, to install the OSSF and to accompany TCEQ Region 1 staff for the required soil/site evaluation and inspection of the OSSF. If a final inspection has not been performed within one year of the authorization then a new application and fee will be required. Any alterations to the approved planning information will require approval by the TCEQ prior to installation.

If you have any questions, please contact Jane Farris of my staff at extension 3164.

Attachment

cc w/attachment (via email):

D. Riekenberg, SC, PXSO  
T. Zimmerman, SS, PXSO  
C. Snider, EC, PXSO  
J. Farris, EC, PXSO  
J. Flowers, RCD, B&W  
D. McBride, RCD, B&W  
D. Franklin, WOD, B&W  
RCD/WOD, Records, B&W

EC:FY09:075;9420

Buddy Garcia, *Chairman*  
Larry R. Soward, *Commissioner*  
Bryan W. Shaw, Ph.D., *Commissioner*  
Mark R. Vickery, P.G., *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

December 5, 2008

US Department of Energy  
National Nuclear Security Administration  
Pantex Site Office  
Attn: Mr. Johnnie Guelker  
P.O. Box 30030  
Amarillo, TX 79120-0030

Re: Authorization to Construct an On-Site Sewage Facility  
Located at: 955 FM 2373, Carson County, Texas  
RN105133979, TCEQ ID No.: 033-0245, Investigation No.: 709793

Dear Mr. Guelker:

This serves to notify all persons that an on-site sewage facility application, related technical information, and the appropriate fee have been received by the Texas Commission on Environmental Quality (TCEQ). The application has been reviewed for administrative and technical consideration against the minimum standards established by the TCEQ. Authorization is hereby granted for the construction as shown on the submitted plans and is based on the information provided in the application. Any alterations to the approved planning materials will require approval by the TCEQ prior to installation.

This OSSF was designed for an office which utilizes water-saving devices, with a daily wastewater usage of 120 gallons.

You or your installer must contact the TCEQ Regional office **FIVE (5) WORKING DAYS PRIOR** to completion to schedule the required facility inspection. The authorization to construct is valid for one year from the date of issue. If a final inspection has not been performed within one year of issue, a new application and fee will be required.

If you have any questions, or if we may be of assistance to you, please contact Lezlie Cooper of the Amarillo Region office at (806) 468-0522.

Sincerely,

A handwritten signature in black ink, appearing to read "Guy Wilkins", is written over a faint circular stamp.

Guy Wilkins  
Waste/Water Section Work Leader  
Amarillo Region Office

GW/LC/jea

Enclosure

REPLY TO: REGION 1 • 3918 CANYON DR. • AMARILLO, TEXAS 79109-4933 • 806-353-9251 • FAX 806-358-9545

PAINTS

21 DEC - 6 PM 1: 51

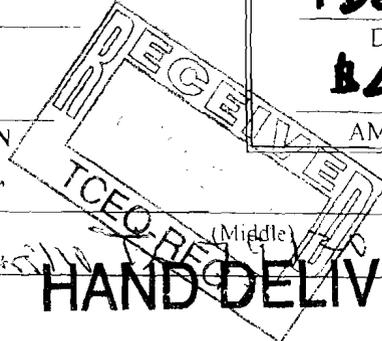
PAINTS SITE OFFICE



Texas Commission on Environmental Quality
APPLICATION FOR ON-SITE SEWAGE FACILITY
NEW CONSTRUCTION

TCEQ USE ONLY
033-0245
APPLICATION NO.
1 Dec 08
DATE
\$400
AMOUNT

01
TCEQ REGION NUMBER
Carson
COUNTY OF INSTALLATION



HAND DELIVERED

- 1. PROPERTY OWNER'S NAME: BWXT Pantex
2. CURRENT MAILING ADDRESS: PO Box 30020
3. DAYTIME TELEPHONE NO.: 806 477 3000
4. 911 SITE ADDRESS: 545 S S Fm 2373
5. LEGAL DESCRIPTION: Sec. 32 Block M4 Lot
SUBDIVISION: See attached
OTHER THAN SUBDIVISION: Acreage: N/A Survey Name: J. H. Gibson
6. PHYSICAL LOCATION/ DIRECTIONS TO SITE: US Hwy 60 to Fm 2373

7. SOURCE OF WATER: Private Well Public Water Supply Pantex (Name of Supplier)

8. SINGLE FAMILY RESIDENCE: No. of Bedrooms Living Area (ft²)

9. COMMERCIAL/INSTITUTIONAL (including multi-family residences) TYPE: office
NO. OF EMPLOYEES/OCCUPANTS/UNITS: 10 to 15 DAYS OCCUPIED PER WEEK: 5

10. SITE EVALUATOR: Tom Pack LICENSE NO. KS 789
PHONE NO.: 806 383 7825 SE 7050 Sgc

11. DESIGNER: Tom Pack LICENSE NO. (PE or RS) KS 789
PHONE NO.: 806 383 7825

12. INSTALLER: Golden S. Kingman Sgc LICENSE NO. 9206
PHONE NO.: 806 373 7827
Cell 806-670-6655 Sgc

I certify that the above statements are true and correct to the best of my knowledge. Authorization is hereby given to the Texas Commission on Environmental Quality to enter upon the above described property for the purpose of soil/site evaluation and investigation of an on-site sewage facility.

If you have questions on how to fill out this form or about the on-site sewage facility program, please contact us at your local regional office or at 512/239-0914. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-3282.

Kevin D. Connell (SIGNATURE OF OWNER) 10-18-08 (DATE)

# HAND DELIVERED



## Texas Commission on Environmental Quality APPLICATION FOR ON-SITE SEWAGE FACILITY NEW CONSTRUCTION

TCEQ USE ONLY
<u>933-0245</u>
APPLICATION NO.
_____
DATE
_____
AMOUNT

RECEIVED

TCEQ-REG.1

TCEQ REGION NUMBER 01 Sec

COUNTY OF INSTALLATION Carson

1. PROPERTY OWNER'S NAME: BLOXT Pantex  
(Last) (First) (Middle)

2. CURRENT MAILING ADDRESS: P.O. Box 30020 Amarillo, TX 79120

3. DAYTIME TELEPHONE NO.: (806) 477-3000

4. 911 SITE ADDRESS: FM 2373 + FM 1912 955 FM 2373 Sec

5. LEGAL DESCRIPTION: Sec. 32 Block M4 Lot N/A Plat Date #30-30

SUBDIVISION: N/A

OTHER THAN SUBDIVISION: Acreage: N/A Survey Name: Gibson Survey Carson County  
 Abstract Name/No.: 430

6. PHYSICAL LOCATION/DIRECTIONS TO SITE: US Hwy 120 to FM 2373

7. SOURCE OF WATER:  Private Well  Public Water Supply Pantex  
(Name of Supplier)

8. SINGLE FAMILY RESIDENCE: No. of Bedrooms N/A Living Area (ft<sup>2</sup>) N/A

9. COMMERCIAL/INSTITUTIONAL (including multi-family residences) TYPE: office  
 NO. OF EMPLOYEES/OCCUPANTS/UNITS: 10 to 15 DAYS OCCUPIED PER WEEK: 5

10. SITE EVALUATOR: Tom Pack LICENSE NO. RS 789 SE 7050 Sec  
 PHONE NO.: 806-383-7825

11. DESIGNER: Tom Pack LICENSE NO. (PE or RS) RS 789  
 PHONE NO.: 806-383-7825 Sec

12. INSTALLER: Golden Spread San Kingman LICENSE NO. 9206  
 PHONE NO.: 806-373-7827  
Call 806-670-6655 Sec

I certify that the above statements are true and correct to the best of my knowledge. Authorization is hereby given to the Texas Commission on Environmental Quality to enter upon the above described property for the purpose of soil/site evaluation and investigation of an on-site sewage facility.

*If you have questions on how to fill out this form or about the on-site sewage facility program, please contact us at your local regional office or at 512/239-0914. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-3282.*

Thomas J. Moulton (SIGNATURE OF OWNER) 12/4/08 (DATE)

Texas Commission on Environmental Quality

ON-SITE SEWAGE FACILITY  
TECHNICAL INFORMATION FOR PERMIT

APPLICATION # 033-0245

DO NOT BEGIN CONSTRUCTION PRIOR TO APPLICATION APPROVAL.  
UNAUTHORIZED CONSTRUCTION CAN RESULT IN CIVIL AND/OR ADMINISTRATIVE PENALTIES.

OWNER'S NAME: BloxT Party COUNTY: Cameron

Professional design required?:  Yes  No If yes, professional design attached:  Yes  No

I. SEWER (House drain):

TYPE AND SIZE OF PIPE: 4" sch 40 pvc SLOPE OF SEWER PIPE TO TANK: 1/4"

II. DAILY WASTEWATER USAGE RATE: Q= 120 (gallons/day)

WATER SAVING DEVICES:  Yes  No

III. TREATMENT UNIT:  Septic Tank  Aerobic Unit

- A. TANK DIMENSIONS: 4x5x8 LIQUID DEPTH (BOTTOM OF TANK TO OUTLET): 54"
- SIZE REQUIRED: 700-750 gallons SIZE PROPOSED: 1000
- MANUFACTURER: Wagner Norwesco MATERIAL/MODEL #: Concrete Poly
- PRETREATMENT TANK:  Yes SIZE: \_\_\_\_\_ (gal)  No  NA

B. OTHER: \_\_\_\_\_  
(Please attach description) 120 gal 2x17.5x45 ft s=90 ÷ 6.33 = 14.218 round to 15

IV. DISPOSAL SYSTEM: TYPE: Bio Diffuser 6'33" Long

AREA REQUIRED: 15 panels LGC AREA PROPOSED: 15 panels LGC  
450 ft<sup>2</sup> / 90 lin ft 15x6.33 = 94.95 x 5 = 474.75 ft<sup>2</sup>

V. ADDITIONAL INFORMATION:

NOTE - THIS INFORMATION MUST BE ATTACHED FOR REVIEW TO BE COMPLETED.

A. SOIL/SITE EVALUATION

B. PLANNING MATERIALS

The attached checklist details those items that must be addressed under each of these categories.

Tom Pack  
DESIGNER'S SIGNATURE

RS 789  
LICENSE NO.

8-18-08  
DATE

05 7050 LGC

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**

**SITE EVALUATION AND PLANNING MATERIALS FOR AN ON-SITE SEWAGE FACILITY**

The following information must be submitted with the design package for review by the TCEQ.  
Failure to include or address all of the following items may result in approval delays.

Application No. 053-0249

Applicant/Site Information		Site Evaluator Information	
Name	<u>Bartex</u>	Name	<u>Tom Dach</u>
Address	<u>FM 2373</u>	Address	<u>110 Avenida</u>
City, State, Zip	<u>Amarillo Tx 79120</u>	City, State, Zip	<u>AMA Tx 79108</u>
Phone No.	<u>806-477-3000</u>	Phone No.	<u>383 7875</u>
County	<u>Carson</u>	License No.	<u>05 7050</u>

Additional information:

**SITE EVALUATION:** A minimum of two soil borings or backhoe pits must be excavated at opposite ends of the proposed disposal area. The borings or pits must be excavated to a depth of two feet below the proposed excavation, or to a restrictive horizon, whichever is less. The boring or pit locations must be indicated. This report shall include a groundwater evaluation, a surface drainage analysis, and all applicable minimum separation requirements.

**PLANNING MATERIALS:** The proposed treatment and disposal system shall be prepared based on the site evaluation. The submittal requirements must include the following details.

- A scale drawing of the on-site sewage facility, showing all structures served.
- Submittals prepared by a professional engineer or professional sanitarian must be sealed, dated, and signed.
- Proposed designs must comply with all separation distances identified in Table X, including neighbors wells.
- A sectional view of the tanks, including pump tanks, and excavations must be submitted.

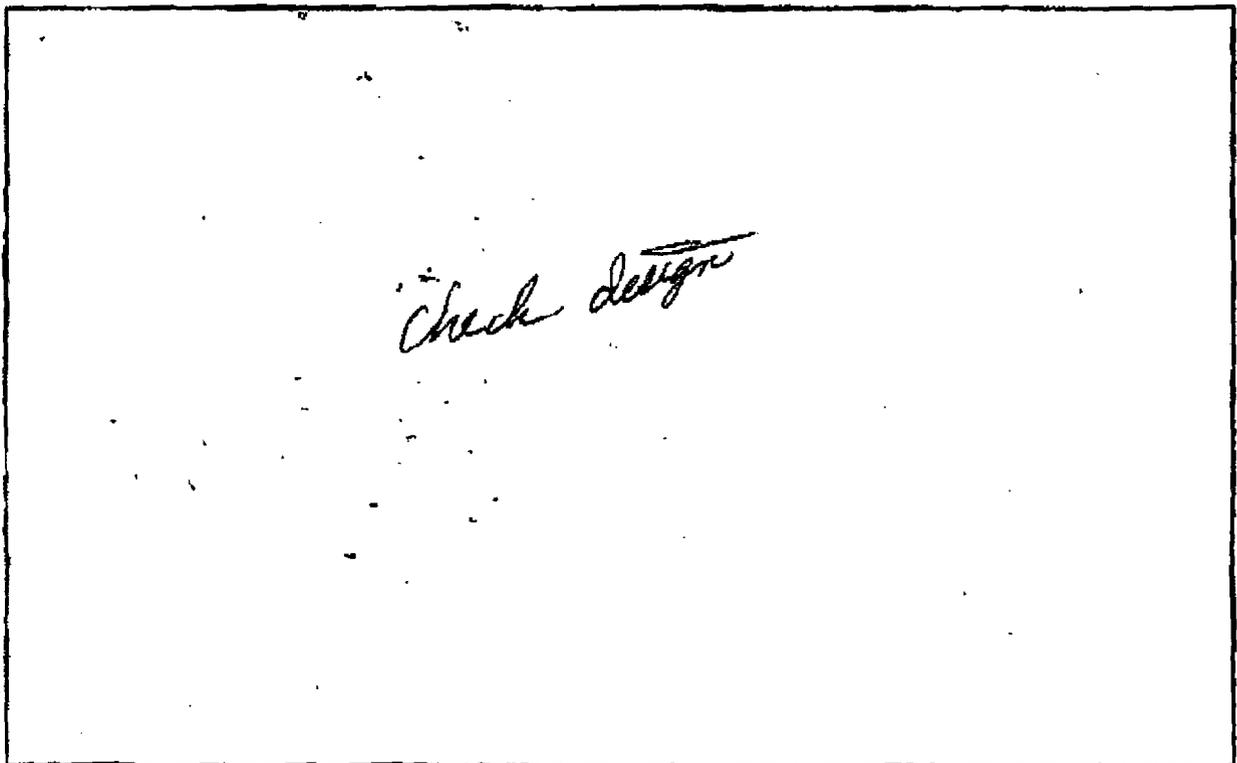
Soil Boring/Backhoe Pit Number <u>(1)</u>						
Depth (Feet)	Soil Class	Gravel Analysis	Restrictive Horizon	Groundwater	Topography	Flood Hazard
0	<u>III</u>	<u>none</u>	<u>none</u>	<u>25'</u>	<u>approx 15% slope</u>	<u>elevation indicated</u>
1						
2						
3						
4						
5						
6						
7						

Soil Boring/Backhoe Pit Number <u>(2)</u>						
Depth (Feet)	Soil Class	Gravel Analysis	Restrictive Horizon	Groundwater	Topography	Flood Hazard
0	<i>III</i>	<i>none</i>	<i>none</i>	<i>25 1/4</i>	<i>approx 150 slope</i>	<i>elevation included</i>
1						
2						
3						
4						
5						
6						
7						

**Schematic of Lot or Tract / Site Drawing**

Scale: 1 inch = 50 feet (or appropriate) (INCLUDE NOTE ON NEIGHBORS WELLS)

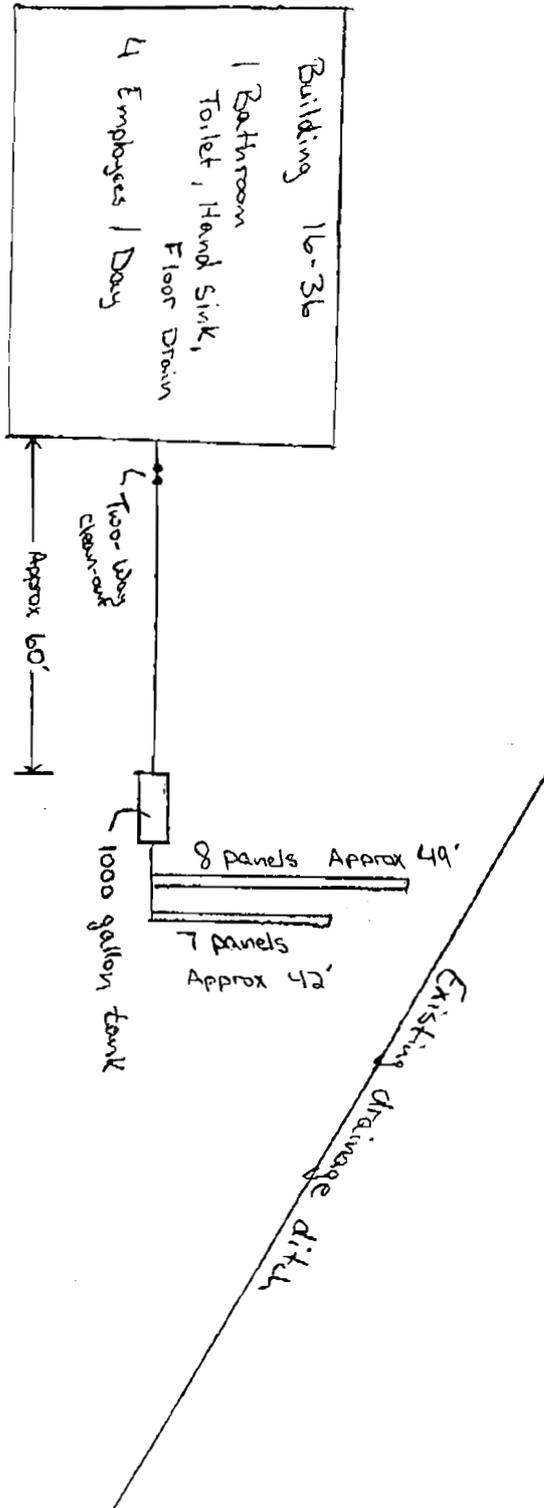
I certify that the results of this report are based on my site observations and are accurate to the best of my ability.



Signature: *Tom Pach*  
(Site Evaluator)

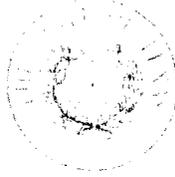
Date: *8-18-08*

Approximate Scale 1" = 30 ft



*[Handwritten signature]*

Buddy Garcia, *Chairman*  
Larry R. Soward, *Commissioner*  
Bryan W. Shaw, Ph.D., *Commissioner*  
Mark R. Vickery, P.G., *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

December 16, 2008

US Department of Energy  
National Nuclear Security Administration  
Attn: Mr. Johnnie Guelker  
P.O. Box 33030  
Amarillo, TX 79120-0030

Re: Notice of Approval of an On-Site Sewage Facility  
Located at: 955 FM 2373, Carson County, Texas  
RN105133979, TCEQ ID No.: 033-0245, Investigation No.: 720902

Dear Mr. Guelker:

This serves to notify all persons that the on-site sewage facility owned by the above has satisfied design, construction, and installation requirements of the Texas Commission on Environmental Quality (TCEQ). This TCEQ On-Site Sewage Facility (OSSF) permit is issued for the operation of the above-identified OSSF.

No waterline is allowed within ten (10) feet of any part of the system. No building or surface improvement is allowed within five (5) feet of either the tank or the drainfield. Vehicles must be prevented from driving over or parking on the tank and the drainfield. A variance was requested at the investigation. A copy of the information is provided for your file.

ANY ALTERATIONS, EXTENSIONS, OR REPAIRS TO THE OSSF WILL REQUIRE A NEW PERMIT. The owner must notify this office of the aforementioned changes.

If you have any questions or if we may be of assistance to you, please contact the Amarillo Region office at (806) 353-9251.

Sincerely,

A handwritten signature in black ink, appearing to read "Jim McWilliams".

Jim McWilliams  
Water/Pantex Section Manager  
Amarillo Region Office

JM/LC/jea

Enclosure

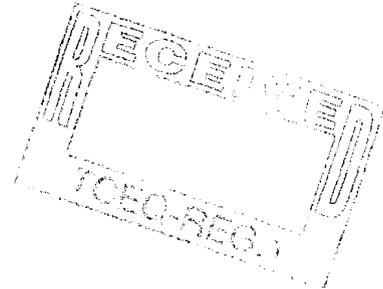
cc: Mr. Kevin J. O'Connell, PE  
105 Technology Drive, Suite 190  
Broomfield, CO 80021

REPLY TO: REGION 1 • 3918 CANYON DR. • AMARILLO, TEXAS 79109-4933 • 806-353-9251 • FAX 806-358-9545

12 December 2008

SM-4166-091042

Lezlie Cooper  
Environmental Investigator  
Texas Commission on Environmental Quality  
Field Operations Division  
3918 Canyon Drive  
Amarillo, Texas 79109



Subject: Septic System at Pantex Plant Building 16-36

Dear Lezlie:

This letter is to inform you of an error on our application and to request a variance from the Texas Administrative (TAC) Code Chapter 285 for the septic system at the Pantex Plant new water treatment facility (building 16-36).

TAC 285.32 (a) (3) calls for a 1/8-inch fall per foot of pipe. TAC 285.32 (a) (7) calls for a minimum pipe size of 3 inches in diameter. We had previously installed a 6 inch PVC pipe from the building out past our gravel road with the anticipation of making a tie in to the existing sanitary sewer system on the site. Upon further investigation it was determined that there would not be enough fall to reach the closest manhole. At this time we had no other choice but to go with a septic system. This work was all done prior to contacting Golden Spread to install the septic system. The pipe was installed at a slope slightly flatter than the requirements outlined in the TAC 285.32 (a) (7). However, with the increase in pipe size to 6 inch it is more that adequate to perform the task it is intended for.

Please call with any questions.

Sincerely,



Kevin J. O'Connell, P.E.  
Project Engineer

cc: Jessica Dawes – B& W Pantex  
Claire Neville