TCEQ Docket No. 2008-0940-MIS-U

In The Texas Commission on Environmental Quality

Appeal of the Executive Director's Negative Use Determination
Issued to Mont Belvieu Caverns, LLC
for the Mont Belvieu North Storage Facility
Application No. 07-11881

APPENDIX TO THE
REPLY BRIEF OF APPELLANT,
MONT BELVIEU CAVERNS, LLC

FULBRIGHT & JAWORSKI L.L.P.

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State Bar No. 11570500
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San Antonio, Texas 78205
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Telecopier: 210.270.7205

FULBRIGHT & JAWORSKI L.L.P.

Edward C. Lewis
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Houston, Texas 77010
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Telecopier: 713.651.5246

Counsel for Appellant, Mont Belvieu Caverns, LLC

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continued on next page

[1] All TCEQ publications were taken from the TCEQ website.

CERTIFICATE OF SERVICE

I certify that on August 18, 2008, a copy of the above appendix was delivered by certified mail, return receipt requested, to the following:

D.A. Chris Ekoh, Staff Attorney
Environmental Law Division MC 173
TCEQ
P. O. Box 13087
Austin, Texas 78711-3087

Blas J. Coy, Jr.
TCEQ
Office of Public Interest Counsel MC 103
P. O. Box 13087
Austin, Texas 78711-3087

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Executive Director
TCEQ
P. O. Box 13087
Austin, Texas 78711-3087

Bridget Bohac
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Office of Public Assistance MC 108
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Austin, Texas 78711-3087

Robert Martinez
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TCEQ
Alternative Dispute Resolution Program MC 222
P. O. Box 13087
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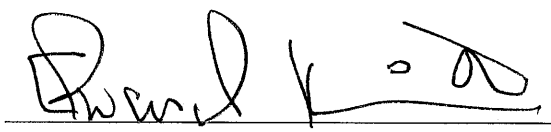
Chris G. Cisneros
Mont Belvieu Caverns, LLC
Ad Valorem Tax
P. O. Box 4018
Houston, Texas 77210-4018

Michael L. Fregia
Chief Appraiser
Chambers County Appraisal District
P. O. Box 1520
Anahuac, Texas 77514



Edward Kliewer III

80277157

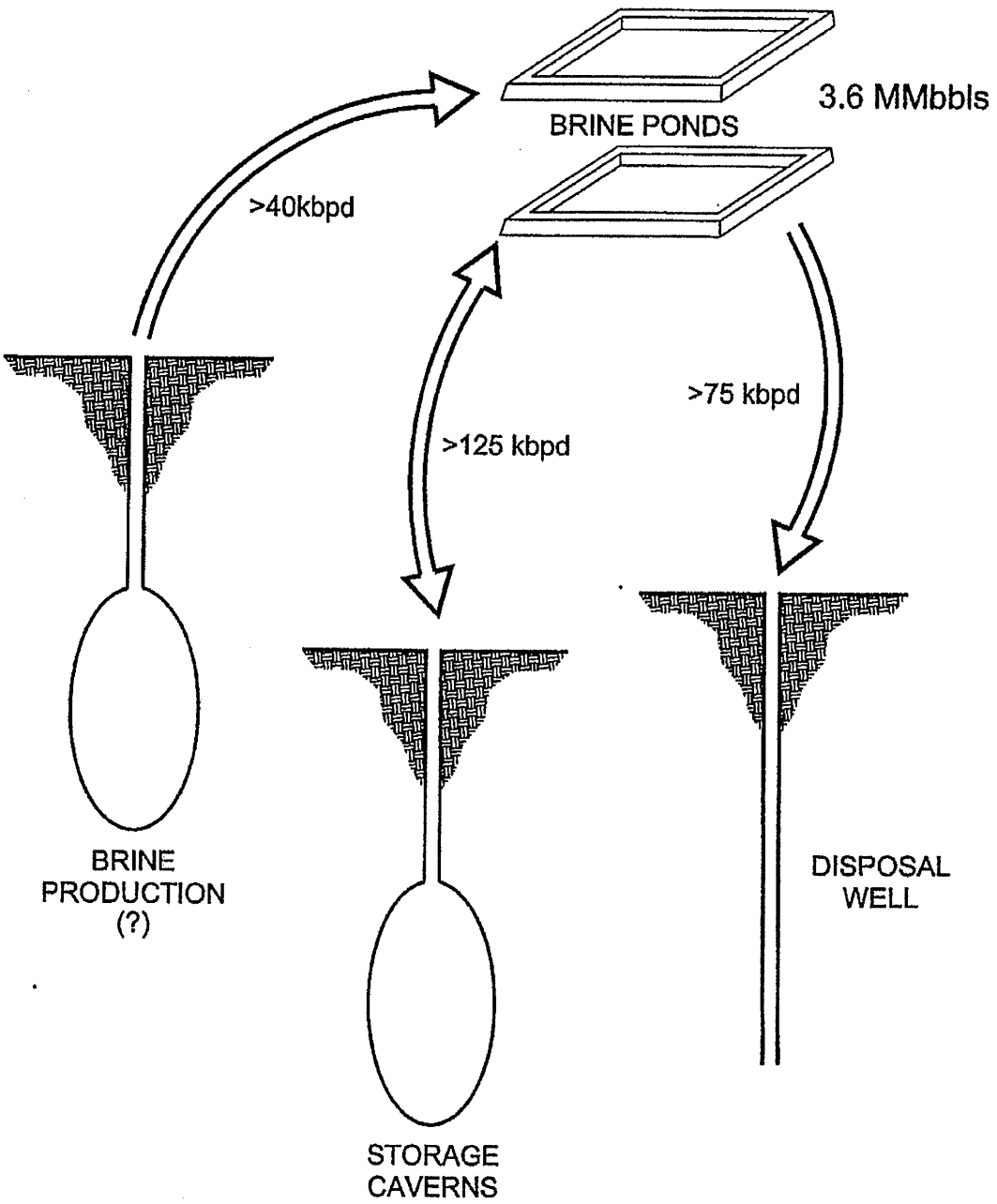
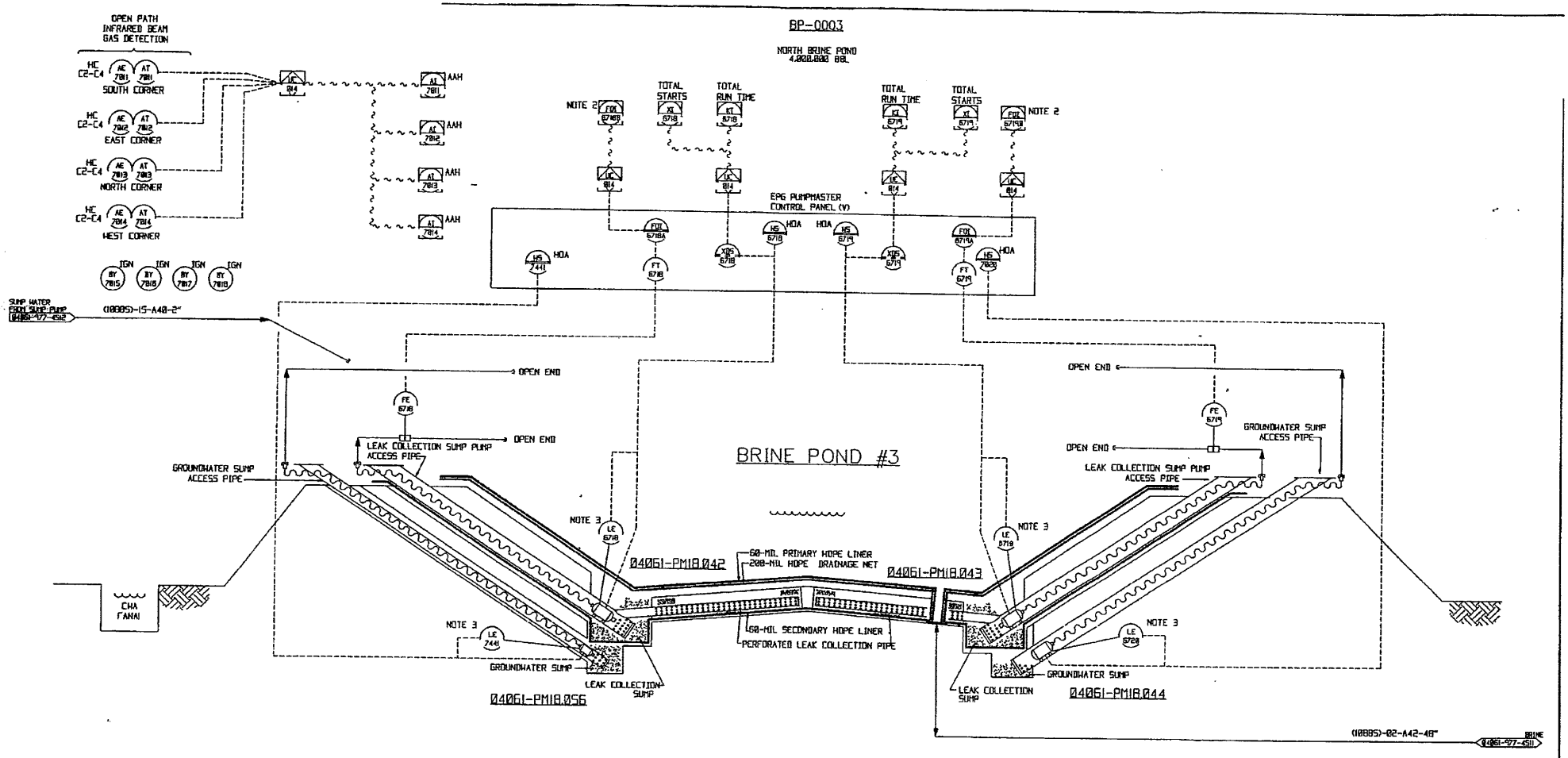


Figure 1-1. Brine System for Enterprise North Terminal.



NOTES:

1) ALL INSTRUMENT TAG NUMBERS ARE PRECEDED BY THE NUMBER 04061 UNLESS OTHERWISE NOTED AND CONSIST OF ALPHA & 4 NUMERICAL CHARACTERS.
2) FLOW TOTALIZER SHOWING RUNNING TOTAL OF GALLONS PUMPED.
3) LEVEL DEVICE TURNS PUMP ON/OFF.
4) UNLESS NOTED OTHERWISE, ALL ITEMS THIS DRAWING ARE BY CRA. INSTUMENTATION AND ELECTRICAL ITEMS ARE TO BE TERMINATED AT A COMMON POINT BY CRA. S&B TO PROVIDE CONNECTION FROM LOCAL TERMINATION POINT TO FINAL DESTINATION.
5) SUCTION LINE TO BE INSTALLED UNDER CHA CANAL AND A BLINDED CONNECTION PROVIDED FOR FUTURE INSTALLATION OF BRINE POND 4.

04061-PM18.042
LEAK DETECTOR PUMP
GPM 74 HP 2
TDH: 58 SG: 1.18 TEMP: 100°F

04061-PM18.043
LEAK DETECTOR PUMP
GPM 74 HP 2
TDH: 58 SG: 1.18 TEMP: 100°F

04061-PM18.044
BRINE POND #3 DEWATERING SUMP PUMP
GPM 74 HP 2
TDH: 58 SG: 1.18 TEMP: 100°F

8/16/06 - KEO

DWN. D.SIGLER	APP.	DATE 12-19-06	Enterprise Products Operating L.P.
CHK. CM	SCALE NONE	AFE-10885	

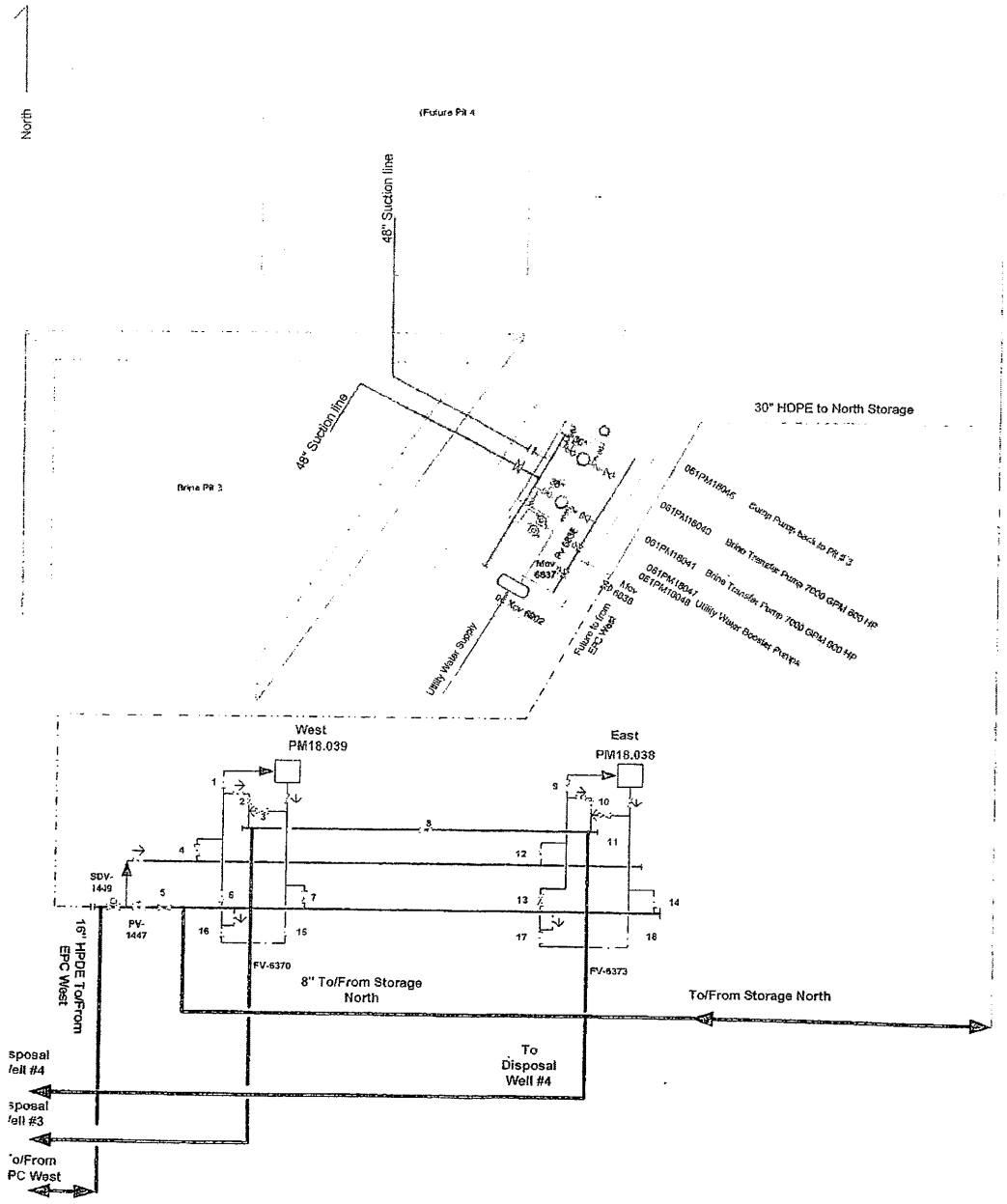
LOCATION: NORTH STORAGE FACILITY, MONT BELVIEU, TEXAS

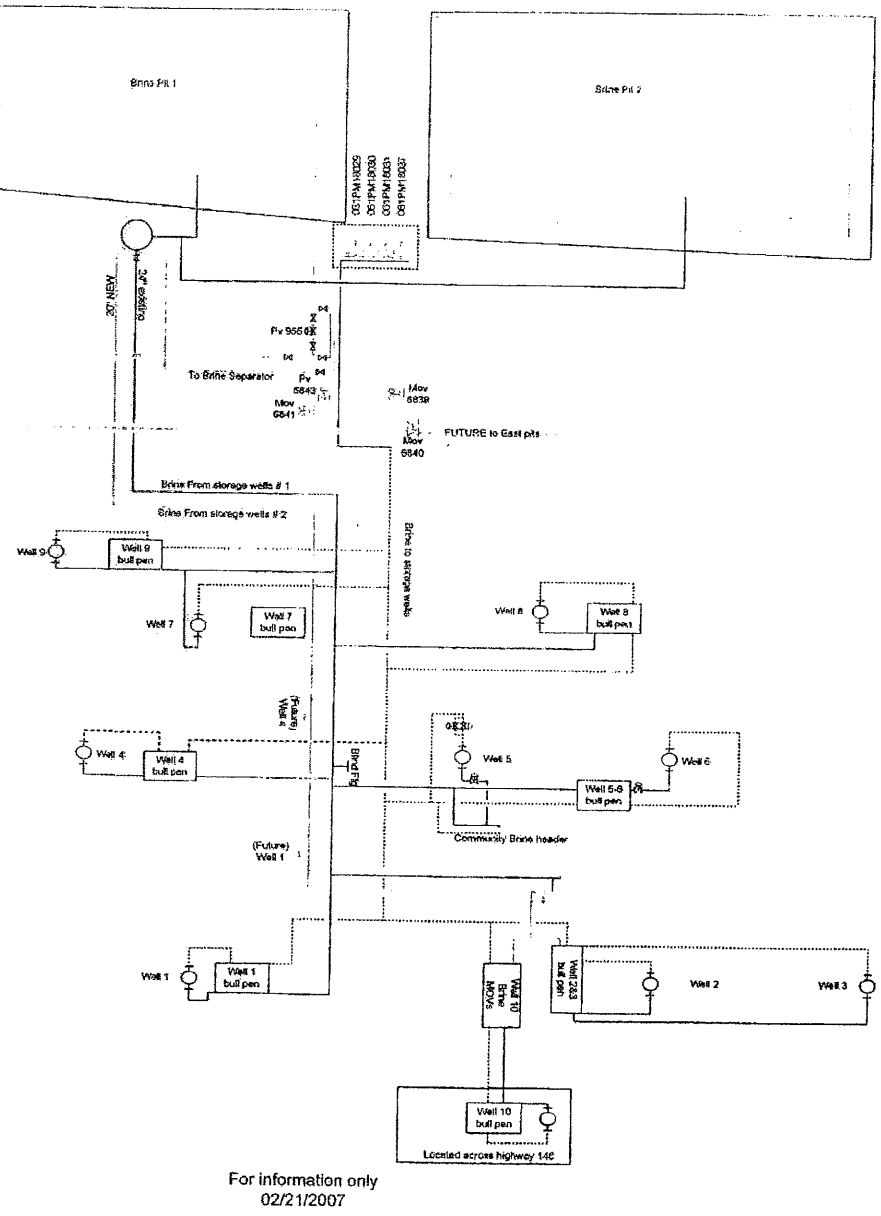
TITLE: MECHANICAL FLOW DIAGRAM, BRINE SYSTEM, BRINE POND #3

NO.	REVISION	DR	DATE
1	AS BUILT PER AFE-10885	MJM/MCB	7/11/2007
0	ISSUED FOR CONSTRUCTION PER AFE-10885	JF/KEO	12/20/2006

DWG. NO. 04061-977-4510 REV. 1

PATH - O:\ENTERPRISE\DESIGN\DWG\977\04061\


North
(Future Pit 4
48" Suction line
48" Suction line
Brine Pit 3
30" HDPE to North Storage
061PM18045 Dump Pump back to Pit # 3
061PM18040 Brine Transfer Pump 7000 GPM 800 HP
061PM18041 Brine Transfer Pump 7000 GPM 800 HP
061PM18047 061PM18048 Utility Water Booster Pumps
Mov 6837
Pv 6838
Mov 6838
Mov 6839
Future to from EPC West
Utility Water Supply
West
PM18.039
East
PM18.038
SDV-1449
PV-1447
FV-6370
FV-6373
16" HPDE To/From EPC West
8" To/From Storage North
To/From Storage North
To Disposal Well #4
sposal
/ell #4
sposal
/ell #3
'o/From
PC West


Brine Pit 1
Brine Pit 2
061PM18035
061PM18036
061PM18034
061PM18033
30" NEW
24" existing
Pv 9556
To Brine Separator
Pv 6843
Mov 6841
Mov 6838
Mov 6840
FUTURE to East pits
Brine From storage wells # 1
Brine From storage wells # 2
Brine to storage wells
Well 9
Well 9 bull pen
Well 7
Well 7 bull pen
Well 8
Well 8 bull pen
Well 4
Well 4 bull pen
Well 5
Well 6
Well 5-6 bull pen
Commercial Brine header
(Future) Well 1
Well 1
Well 1 bull pen
Well 2
Well 3
Well 10 bull pen
Located across highway 140
For information only
02/21/2007

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
APPLICATION FOR USE DETERMINATION
FOR POLLUTION CONTROL PROPERTY

The TCEQ has the responsibility to determine whether a property is a pollution control property. A person seeking a use determination must complete the attached application or a copy or similar reproduction. For assistance in completing this form refer to the TCEQ guidelines document, *Property Tax Exemptions for Pollution Control Property,* as well as 30 TAC §17, rules governing this program. For additional assistance please contact the Tax Relief for Pollution Control Property Program at (512) 239-3100. The application should be completed and mailed, along with a complete copy and the appropriate fee, to: TCEQ MC-214, Cashiers Office, PO Box 13088, Austin, Texas 78711-3088.

Information must be provided for each field unless otherwise noted.

1. GENERAL INFORMATION

A. What is the type of ownership of this facility?

- ☐ Corporation
- ☐ Partnership
- ☒ Limited Partnership
- ☐ Sole Proprietor
- ☐ Utility
- ☐ Other:

B. Size of company: Number of Employees

- ☐ 1 to 99
- ☐ 100 to 499
- ☐ 500 to 999
- ☒ 1,000 to 1,999
- ☐ 2,000 to 4,999
- ☐ 5,000 or more

C. Business Description: (Provide a brief description of the type of business or activity at the facility)

Natural Gas Liquids Transportation and Storage

2. TYPE OF APPLICATION

- ☒ **Tier I** $150 Fee
- ☐ **Tier II** $1,000 Fee
- ☐ **Tier III** $2,500 Fee
- ☐ **Tier IV** $500 Fee

NOTE: Enclose a check, money order to the TCEQ, or a copy of the ePay receipt along with the application to cover the required fee.

3. NAME OF APPLICANT

A. Company Name: Mont Belvieu Caverns, LLC
B. Mailing Address (Street or P.O. Box): PO Box 4018
C. City, State, and Zip: Houston, Texas 77210-4018

4. PHYSICAL LOCATION OF PROPERTY REQUESTING A TAX EXEMPTION

A. Name of Facility or Unit: Mont Belvieu North Storage
B. Type of Mfg. Process or Service: Product Pipeline and Storage Service
C. Street Address: 1027 FM 1942
D. City, State, and Zip: Mont Belvieu Texas, 77580
E. Tracking Number (*Optional*):
F. Company or Registration Number *(Optional)*:

5. APPRAISAL DISTRICT WITH TAXING AUTHORITY OVER PROPERTY

A. Name of Appraisal District: Chambers County Appraisal District
B. Appraisal District Account Number: New Account

6. CONTACT NAME

A. Company/Organization Name	Mont Belvieu Caverns, LLC
B. Name of Individual to Contact:	Al Noor
C. Mailing Address (Street or P.O. Box):	PO Box 4018
D. City, State, and Zip:	Houston, Texas 77210-4018
E. Telephone number and fax number:	(713)803-88253
F. E-Mail address (if available):	anoor@eprod.com

7. **RELEVANT RULE, REGULATION, OR STATUTORY PROVISION**
For each media, please list the specific environmental rule or regulation that is met or exceeded by the installation of this property.

MEDIUM	Rule/Regulation/Law
Air	
Water	30 TAC 305
Waste	

8. **DESCRIPTION OF PROPERTY (Complete for all applications)**
Describe the property and how it will be used at your facility. **Do not simply repeat the description from the Equipment & Categories List.** Include sketches of the equipment and flow diagrams of the processes where appropriate. Use additional sheets, if necessary.

Project Description :This Project consist of one 4.0 million barrel HDPE double lined brine pond, instrumentation, pond piping, electrical substation and assocatiated equpment. The brine pond will accomplish two significant purposes, waste minimization and prevention of salt water intrusion into inland waters. Also by recycling brine, rather than using fresh water which would become brine through salt dissolution in daily operation of the cavern system, the total quantity of waste generated will be significantly reduced by constructing this brine pond. The current scope of this project includes the constrution of one 35ft X 70ft concrete pump pit, and the installation of one 600 HP trasfer pump. Also included is 3,500 of 30" HDPE piping from the new pond to North Stroge.

Land: If a use determination is being requested for land, provide a legal description and an accurate drawing of the property in question.

9. **PARTIAL PERCENTAGE CALCULATION**
This section is to be completed for Tier III and IV applications. For information on how to conduct the partial percentage calculation, see the application instructions document. Attach calculation documents to completed application.

10. **PROPERTY CATEGORIES AND COSTS**

List each control device or system for which a use determination is being sought. Provide additional attachments for more than 3 properties.

Property	Taxable on 1/01/94?	DFC Box	ECL #	Estimated Cost	Use %
Land					
Property Construction of brine pond with total capacity of 4 million barrels	**NO**	**12**	**S-20**	**23,000,000**	**100%**
Totals					

11. EMISSION REDUCTION INCENTIVE GRANT

(For more information about these grants, see the Application Instruction document).

Will an application for an Emission Reduction Incentive Grant be filed for this property/project?

☐ Yes ☒ No

12. APPLICATION DEFICIENCIES

After an initial review of the application, the TCEQ may determine that the information provided with the application is not sufficient to make a use determination. The TCEQ may send a notice of deficiency, requesting additional information that must be provided within 30 days of the written notice.

13. FORMAL REQUEST FOR SIGNATURE

By signing this application, you certify that this information is true to the best of your knowledge and belief.

Name: Al Noor Date: 02/12/2008

Title: Tax Manager

Company: Mont Belvieu Carverns LLC

Under Texas Penal Code, Section 37.10, if you make a false statement on this application, you could receive a jail term of up to one year and a fine up to $2,000, or a prison term of two to 10 years and a fine of up to $5,000.

14. DELINQUENT FEE/PENALTY PROTOCOL

This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and Penalty Protocol. (Effective September 1, 2006)

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 20, 2008

MONT BELVIEU CAVERNS LLC
AL NOOR
PO BOX 4018
HOUSTON TX 77210 4018

This letter is to inform you that the technical review of Use Determination Application 07-11881 has been completed. This application is for:

MONT BELVIEU NORTH STORAGE
1027 FM 1942
MONT BELVIEU TX 77580

The outcome of this review is as follows:

A negative determination for the equipment and installation costs of the Brine Storage Pond Project. This equipment is considered to be production equipment and not pollution control property.

House Bill 3121, enacted during the 77th Legislature Session, established a process for appealing a use determination. The Texas Commission on Environmental Quality (TCEQ) rules that implement the appeals process are at 30 TAC 17.25. Pursuant to 17.25(a)(1), an appeal must be filed within 20 days of receipt of the use determination. Should you choose to appeal the use determination, please submit a copy of your appeal to the TCEQ Tax Relief for Pollution Control Property program at the time of filing the appeal with the Chief Clerk of the commission.

If you have any questions or require any additional information please contact the TCEQ Tax Relief for Pollution Control Property program at (512) 239-3100.

Sincerely,

David Greer
Team Leader, Pollution Prevention

Enterprise Products

P.O. Box 4018 Houston, Texas 77210-4018 713.880.6500
2727 North Loop West Houston, Texas 77008-1044 www.epplp.com

June 3, 2008

LaDonna Castanuela
Office of the Chief Clerk MC 105
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

CMRRR: 7008 0150 0001 6850 8238

Dear Ms. Castanuela:

Pursuant to rule 17.25(a)(1) of the Title 30 Texas Administrative Code, Mont Belvieu Caverns, LLC respectfully appeals the Negative Determination for Use Determination Application 07-11881.

Mont Belvieu Caverns, LLC requests the commission consider the use determination for our Brine Storage Pond Project. We believe this project deserves a positive use determination because it employs many features that prevent the brine (salt water) from contaminating surrounding lands. Furthermore, the TCEQ has, in the past, granted positive use determinations for facilities like our Brine Storage Pond Project.

If you have any questions, please feel free to contact me at:

MONT BELVIEU CAVERNS LLC
AD VALOREM TAX
PO BOX 4018
HOUSTON TX 77210-4018

You may also contact me by telephone at 713-803-2895 or by email at ccisneros@epco.com.

Your assistance is greatly appreciated.

Sincerely,

Chris G. Cisneros

Chris G. Cisneros
Senior Property Tax Representative

Enclosure

MAILED 6/4/2008

mailed original on 01/31/07 RR

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
APPLICATION FOR USE DETERMINATION
FOR POLLUTION CONTROL PROPERTY
12/18/2006

The Texas Commission on Environmental Quality (TCEQ) has the responsibility to determine whether a property is a pollution control property. A person or political subdivision seeking a use determination for pollution control property must complete the attached application or use a copy or similar reproduction. For assistance in completing this form refer to the TCEQ guidelines document, *Property Tax Exemptions for Pollution Control Property*, as well as 30 TAC §17, rules governing this program. For additional assistance please contact the TCEQ Tax Relief for Pollution Control Property Program at (512) 239-6348 or (512)239-1917. The application should be completed and mailed, with the appropriate fee, to: TCEQ MC-214, Cashiers Office, P.O. Box 13088, Austin, Texas 78711-3088.

1. GENERAL INFORMATION

A. What is the type of ownership of this facility:

[ ] Corporation
[ ] Partnership
[X] Limited Partnership
[ ] Sole Proprietor
[ ] Utility
[ ] Other

B. Size of company: Number of Employees

[ ] 1 to 99
[ ] 100 to 499
[ ] 500 to 999
[X] 1,000 to 1,999
[ ] 2,000 or more

C. Business Description: (Provide a brief description of the type of business or activity at the facility) Natural Gas Liquids Processing and Storage

2. TYPE OF APPLICATION

A. [X] **Tier I** $150 Application Fee.
B. [ ] **Tier II** $1,000 Application Fee.
C. [ ] **Tier III** $2,500 Application Fee.
NOTE: Enclose a check or money order to the TCEQ along with the application to cover the required fee.

3. NAME OF APPLICANT

A. Company Name: ENTERPRISE TEXAS OPERATING LP
B. Mailing Address (Street or PO Box):P.O BOX 4018
C. City, State, ZIP: HOUSTON , TEXAS 77210-4018

4. PHYSICAL LOCATION OF PROPERTY REQUESTING A TAX EXEMPTION

A. Name of Facility or Unit: Mont Belvieu Storage
B. Type of Mfg. Process or Service: Natural Gas Liquids Processing & Storage
C. Street Address: 10207 F. M 1942
D. City, State, ZIP: Mont Belieu, Texas 77580
E. Tracking Number Assigned by Applicant:
F. Customer Number or Regulated Entity Number:

5. **APPRAISAL DISTRICT WITH TAXING AUTHORITY OVER PROPERTY**

A. Name of Appraisal District: Chambers County Appraisal District

B. Appraisal District Account Number: _____

6. **CONTACT NAME (must be provided)**

A. Company/Organization Name: Enterprise Texas Operating LP

B. Name of Individual to Contact: Al Noor- Ad Valorem Tax Department

C. Mailing Address: P. O. Box 4018

D. City, State, ZIP: Houston, Texas 77210-4018

E. Telephone number and fax number: (713)803-8253 Fax (713)880-6605

F. E-Mail address (if available): anoor@eprod.com

7. **RELEVANT RULE, REGULATION, OR STATUTORY PROVISION**

For each of the pollution control properties listed on this application, select the type of medium or media (air, water, waste) for which the property or device is required. Use the second column to cite the **specific** environmental rule, regulation, and/or law that is being met or exceeded by the installation of this property. The citation should be specific and should include the section and/or subsection of the rule, regulation, and/or law. Do not list permit numbers or registration numbers in this table. If the property or equipment was installed or constructed in response to an agreed order, **do not** list the order — list the rule, regulation, or law that requires the installation or construction of the property.

MEDIUM	RULE/REGULATION/LAW
Air	
Water	30 TAC 305
Waste	

8. **DESCRIPTION OF PROPERTY (Complete for all applications)**

Provide a description and purpose of the property for which this application is being filed. This description **must include** the anticipated environmental benefits for the prevention, monitoring, control, or reduction of air, water, or land pollution that will be realized by the installation of the property. **Do not simply repeat the description from the predetermined equipment list.** Instead describe the property and how it will be used at your facility. Include sketches of the equipment and flow diagrams of the processes where appropriate.

Project Description: This project consist of two HDPE double lined brine ponds. Each pond is designed to store 3MM barrel, for a total storage capacity of 6MM barrels. The brine ponds will accomplish two significant purposes, waste minimization and prevention of salt water intrusion into inland waters. By recycling brine, rather than using fresh

water which would become brine through salt dissolution in daily operation of the cavern system, the total quantity of waste generated will be significantly reduced by constructing the two brine ponds. The scope of this project includes installation of two- 3 Million barrel HDPE lined brine pits, leak detection system, vapor detection system with igniters, one brine transfer pump, three 900HP injection pumps 4160V power connections to the pumps, controls, degas system, (separator, knock-out drum, flare) and approximately 11,600 LF of 24" brine injection and return piping to and from the storage wells. The well injection and return lines are to be installed on concrete columns and structural steel rack above ground to assist in leak detection.

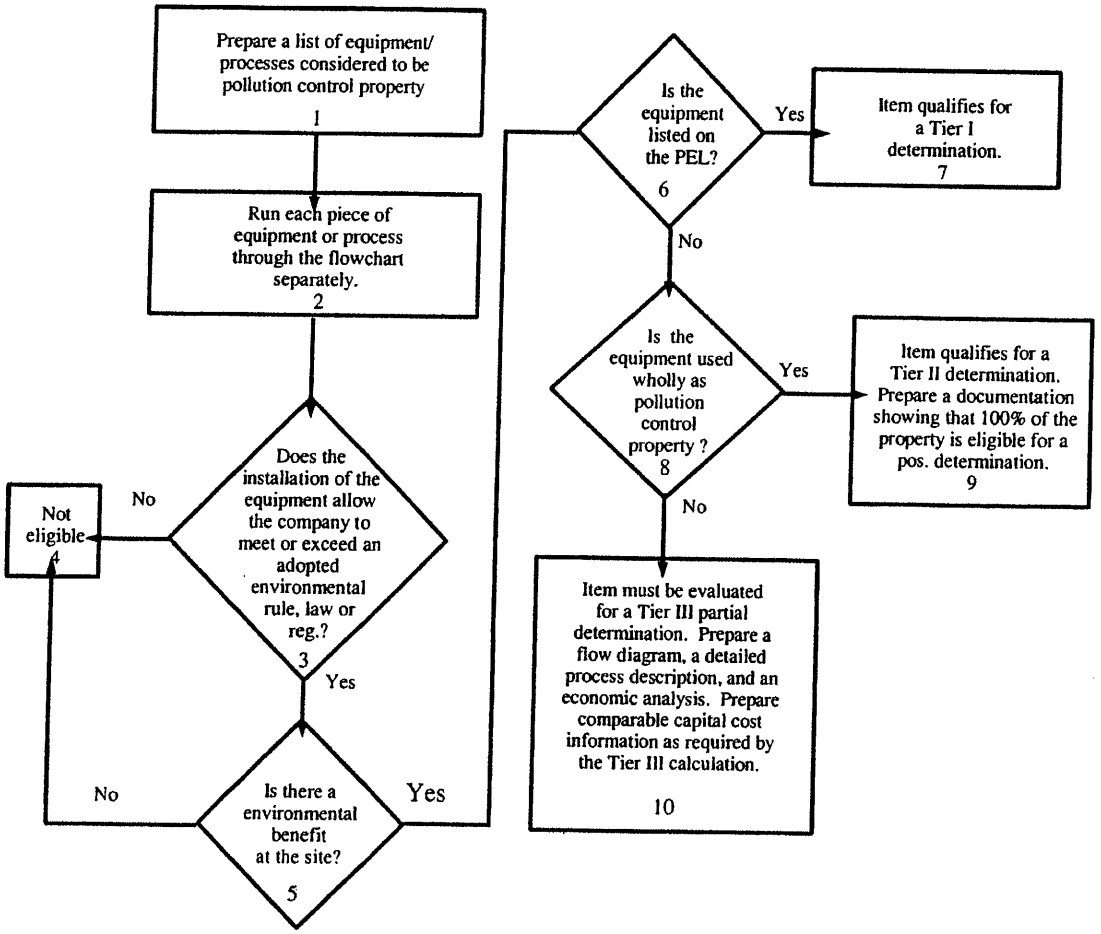
Land: If a use determination is being requested for land, provide a legal description and an accurate drawing of the property in question. Only that land which was purchased after January 1, 1994, and which is actually used for pollution control purposes or that houses pollution control property is eligible for a positive use determination.

9. DECISION FLOWCHART

Each piece of equipment or process change must be processed through the Decision Flow Chart. Each item of property listed on the application must result in a yes answer to boxes 3 and 5. Use the table in section 11 to document which box (7, 9 or 10) was the final destination of each piece of equipment. Instructions for completing this section are located in the instruction section of this document.

Tax Relief Decision Flow Chart

Applicants must use this flowchart for each piece of equipment or process. In order for a piece of equipment or process to be eligible for a positive use determination the item must generate ☹yes☺ answers to the questions asked in boxes 3 and 5.



This project was processed through the Decision Flow Chart resulting "YES" in boxes 3 and 5. The final destination for the Brine Pit project was box 7.

10. PARTIAL PERCENTAGE CALCULATION

This section is to be completed only for Tier III applications. Process changes or construction of new process equipment that results in pollution control may result in a partial determination. On one or more separate sheets of paper, explain how the partial percentage was determined using the Cost Analysis Procedure that is described in the attached *Instructions for Completing Application Form.* Include financial data that

demonstrates how this percentage was calculated. Provide as detailed information as possible, since the information provided will be used by the TCEQ to evaluate the use percentage requested in the application. Attach sketches and/or flow diagrams showing the property and its function. Examples of partial determinations are shown in Appendix C of the technical guidelines document.

11. PROPERTY CATEGORIES AND COSTS

Identify the category and the estimated purchase cost of the property listed in Section 8. List each control device or system for which a use determination is being sought. If the application is for property that is listed on the predetermined equipment list, list the appropriate item number(s) in the PEL column. Place an "N" in the second column to certify that the property was not taxable on or before January 1, 1994. Failure to answer this question for each piece of property will result in the issuance of a notice of deficiency letter and the possible rejection of the application. List the which box, (7, 9, or 10), was the final destination of each piece of property. List the estimated or actual purchase cost of the property. If the property is not wholly used for the purpose of pollution control, list the estimated percentage of pollution control calculated using the Partial Determination Cost Analysis Procedure.

Property	Property Taxable on or before 1/01/94	Decision Flow Chart Box 7, 9, or 10	PEL Number	Estimated Purchase Cost	Partial Percentage
Land					
Property Construction of brine ponds #3 and #4 With total capacity of 6MM barrels of brine	No	7	S-20	36,000,000	100%
Totals					

12. EMISSION REDUCTION INCENTIVE GRANT

Will an application for an Emission Reduction Incentive Grant be filed for this property/project:

[ ] Yes [X] No

13. APPLICATION DEFICIENCIES

After an initial review of the application, the TCEQ may determine that the information provided with the application is not sufficient to make a use determination. The TCEQ may send a notice of deficiency, requesting additional information that must be provided within 30 days of the written notice.

14. FORMAL REQUEST FOR SIGNATURE

By signing this application, you certify that this information is true to the best of your knowledge and belief.

NAME: A Hood DATE: 1-29-07

TITLE: Tax Manager

COMPANY:

Under Texas Penal Code, Section 37.10, if you make a false statement on this application, you could receive a jail term of up to one year and a fine up to $2,000, or a prison term of two to 10 years and a fine of up to $5,000.

15. DELINQUENT FEE/PENALTY PROTOCOL

This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and Penalty Protocol.(Effective September 1, 2006)

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

USE DETERMINATION

The Texas Commission on Environmental Quality has reviewed Use Determination Application, 06-10400, filed by:

ENTERPRISE TEXAS OPERATING LP
ENTERPRISE TEXAS MONT BELVIEU STORAGE
10207 FM 1942
MONT BELVIEU TX 77580

The pollution control property/project listed in the Use Determination Application is:

Constructed two HDPE double lined brine ponds.

The outcome of the review is:

A positive use determination of 100% for the two HDPE double lined brine ponds.

This equipment is considered to be pollution control equipment and was installed to meet or exceed federal or state regulations.

Executive Director

3/27/2007
Date

OFFICE OF

RAILROAD COMMISSION OF TEXAS

LENA GUERRERO, Chairman
JAMES E. (JIM) NUGENT, Commissioner
ROBERT KRUEGER, Commissioner

DAVID M. GARLICK
Director
JERRY W. MULLICAN
Director of Underground
Injection Control
(512) 463 6790
FAX (512) 463 6780

1701 N. CONGRESS — CAPITOL STATION — P. O. BOX 12967 — AUSTIN, TEXAS 78711-2967

OIL & GAS DIVISION

PERMIT TO DISPOSE OF NON-HAZARDOUS OIL AND GAS WASTE BY INJECTION INTO A POROUS FORMATION NOT PRODUCTIVE OF OIL AND GAS

RECEIVED
MAY 1992

PERMIT NO. 09522

Enterprise Products Co.
P. O. Box 19672
Houston, TX 77224

PB-KBB, INC.

Based on information contained in your application (Form W-14) dated November 7, 1991, you are hereby authorized to dispose of oil and gas waste into your well designated as follows:

Enterprise SWD Lease, Well No. 3, Barbers Hill Field, Chambers County, RRC District 03

Authority is granted to inject in accordance with Statewide Rule 9 of the Railroad Commission of Texas and subject to the following special and standard conditions:

SPECIAL CONDITIONS:

1. Oil and gas waste shall only be injected into strata in the subsurface depth interval from 5400 feet to 8700 feet.

2. The injection volume shall not exceed 50,000 barrels per day.

3. The maximum operating surface injection pressure shall not exceed 2700 psig.

4. The authority to dispose of oil and gas waste is limited to the disposal of produced salt water and hydrocarbon storage cavern leach brine.

STANDARD CONDITIONS:

1. Injection must be through tubing set on a packer. The packer must be set no higher than 100 feet above the top of the permitted interval.

2. The District Office must be notified 48 hours prior to:
   a. running tubing and setting packer;
   b. beginning any workover or remedial operation;
   c. conducting any required pressure tests or surveys.

17

3. The wellhead must be equipped with a pressure observation valve on the tubing and for each annulus.

4. Prior to beginning injection and subsequently after any workover, an annulus pressure test must be performed. The test pressure must equal the maximum authorized injection pressure or 500 psig, whichever is less, but must be at least 200 psig. The test must be performed and the results submitted in accordance with the instructions of Form H-5.

5. The injection pressure and injection volume must be monitored at least monthly and reported annually on Form H-10 to the Commission's Austin office.

6. Within 30 days after completion, conversion to disposal, or any workover which results in a change in well completion, a new Form W-2 or G-1 must be filed in duplicate with the District Office to show the current completion status of the well. The date of the disposal well permit and the permit number must be included on the new Form W-2 or G-1.

7. Written notice of intent to transfer the permit to another operator must be submitted to the Commission at least 15 days prior to the date the transfer will occur by filing Form P-4.

8. Unless otherwise required by conditions of the permit, completion and operation of the well shall be in accordance with the information represented on the application (Form W-14).

Provided further that, should it be determined that such injection fluid is not confined to the approved strata, then the permission given herein is suspended and the disposal operation must be stopped until the fluid migration from such strata is eliminated.

APPROVED AND ISSUED ON May 7, 1992.

Jerry W. Mullican
Director of Underground Injection Control

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

JAMES E. (JIM) NUGENT, Chairman
MARY SCOTT NABERS, Commissioner
BARRY WILLIAMSON, Commissioner

DAVID M. GARLICK
Director
LORI WROTENBERY
Director of
Environmental Services
(512) 463-6790
Fax (512)463-6780

1701 N. CONGRESS | P. O. BOX 12967 | AUSTIN, TEXAS 78711-2967

PERMIT TO INJECT FLUID INTO A RESERVOIR PRODUCTIVE OF OIL AND GAS

PROJECT NO. F 14001

Enterprise Products Co.
c/o PB-KBB Inc.
P. O. Box 19672
Houston, TX 77224

Based on information contained in your application (Forms H-1 and H-1A) dated August 11, 1993, you are hereby authorized to use the following well to inject fluid into the Miocene-Frio Formations:

Enterprise Fee Lease, Well No. 4, Barbers Hill Field, Chambers County, RRC District 03

Authority is granted to inject in accordance with Statewide Rule 46 of the Railroad Commission of Texas and subject to the following special and standard conditions:

SPECIAL CONDITIONS:

1. Fluid shall only be injected into strata in the subsurface depth interval from 5300 feet to 8600 feet.

2. The injection volume of brine shall not exceed 50,000 barrels per day.

3. The maximum operating surface injection pressure shall not exceed 2600 psig.

4. The authority to inject fluid is limited to the injection of brine.

STANDARD CONDITIONS:

1. Injection must be through tubing set on a packer.

2. The District Office must be notified 48 hours prior to:
   a. running tubing and setting packer;
   b. beginning any workover or remedial operation;
   c. conducting any required pressure tests or surveys.

3. The wellhead must be equipped with a pressure observation valve on the tubing and for each annulus.

4. Prior to beginning injection and subsequently after any workover, an annulus pressure test must be performed. The test pressure must equal the maximum authorized injection pressure or 500 psig, whichever is less, but must be at least 200 psig. The test must be performed and the results submitted in accordance with the instructions of Form H-5.

5. The injection pressure and injection volume must be monitored at least monthly and reported annually on Form H-10 to the Commission's Austin office.

6. Within 30 days after completion, conversion to fluid injection, or any workover which results in a change in well completion, a new Form W-2 or G-1 must be filed in duplicate with the District Office to show the current completion status of the well and to show the current production test allowable to be transferred from converted wells to producing wells on the same lease. The date of the injection permit and the project number must be included on the new Form W-2 or G-1.

7. Written notice of intent to transfer the permit to another operator must be submitted to the Commission at least 15 days prior to the date the transfer will occur by filing Form P-4.

8. A well herein authorized cannot be converted to a producing well and have an allowable assigned without filing an amended Form W-1 and receiving Commission approval.

9. Unless other wise required by conditions of the permit, completion and operation of the well shall be in accordance with the information represented on the application (Forms H-1 and H-1A).

Provided further that, should it be determined that such injection fluid is not confined to the approved strata, then the permission given herein is suspended and the fluid injection must be stopped until the fluid migration from such strata is eliminated.

APPROVED AND ISSUED ON November 5, 1993.

Lori Wrotenbery

Lori Wrotenbery
Director of Environmental Services

POND 3

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division
Application for Permit to Maintain and Use a Pit

CN-011287

Form H-11
May 1984
Comply with Instructions on Reverse Side

☑ New Application
☐ Application for Renewal

1. Operator's Name (As shown on Form P-5, Organization Report)	2. RRC Operator No.	3. RRC Dist. No.	4. County of pit site
Enterprise Products Operating L.P.	253161	03	Chambers

5. Operator's Address (Street, City, State and Zip Code)
P. O. Box 4324 ~~10207 FM 1942 Mont Belvieu, TX 77580~~ Houston Tx 77210-4324

6. Name of Lease, Project or Facility of Pit Location	7. RRC Oil Lease No. or	8. RRC Gas ID No.
Enterprise Products Operating, LP North Storage	? 11102	NA

9. Pit Location
• Section NA Block NA Survey ~~Hannah Nash & Dan~~ Jergins Survey Abstract No. ~~A-20& A~~ 599
• Location is Hatcherville Rd miles (direction) from in Mont Belvieu, TX (nearest town)

10. a. Is pit bottom below ground level?
☑ Yes ☐ No
b. Artificial liner?
☑ Yes ☐ No
c. If lined, equipped with a leak detection system?
☑ Yes ☐ No

11. Name and Address of Surface Owner
Enterprise Products Operating L.P.
2727 North Loop West
Houston, TX 77008

12. Are wastes or fluids from operations other than your own?
☐ Yes ☑ No

13. Type of pit (refer to Item F of instructions)
Brine Pit

14. a. Describe land use surrounding pit location:
Underground NGL storage & pipeline easements
b. Is land surrounding pit location productive agricultural land?
☐ Yes ☑ No

15. a. Briefly explain the need for this pit:
Increased production and storage of NGL's has established the need for more brine storage to facilitate NGL movements in and out of storage caverns. This increased brine storage will also have the benefit of reducing brine deep well disposal during periods of high volume NGL movements out of the storage caverns.

15. b. Type of waste or fluid: Brine

15. c. Chloride concentration: Saturated mg/l

16. Pit is
☑ Proposed ☐ Existing
If existing, date constructed

17. Dikes
a. Height above ground level 18 feet Width at base 126 feet
b. Are dikes designed to keep wastes or fluids in the pit? ☑ Yes ☐ No
c. Are dikes designed to keep stormwater runoff out of the pit? ☑ Yes ☐ No
d. Source of Dike Material: ☑ Excavated from pit ☐ Adjacent borrow pit
☐ Off-site excavation (describe material):

18. Pit capacity (barrels)
3,911,600 bbls

19. Inside pit dimensions two feet below top of dike
(Length) 1011 Max. feet Width 681 MAX feet
Depth: from ground level to deepest point 15.5 feet

20. Wastes or fluids are transported to pit by (check all that apply)
☐ Contract Hauler ☐ Applicant's truck ☑ Pipe ☐ Other

21. a. Distance to nearest water well within one-mile of pit
NA feet

21. b. Depth of this water well
NA feet

22. Depth to shallowest fresh water 25 feet
Source of information:
☑ measured/observed ☐ well owner ☐ electric log ☐ TDWR

23. Have you included all attachments required by the Instructions on the reverse side of this form? Yes

CERTIFICATE

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

Kyle L. Webster
Signature

Kyle L. Webster, Agent + Attorney-in-fact
Name of Person (type or print) Title

Telephone 713-803-8206 (Area Code / Number) Date 12-19-05

• RRC DISTRICT USE ONLY •

Application Information Review

Date received
Date inspected
Inspector
Comments:

☐ Location ☐ Liner ☐ Agricultural Land ☐ Dimensions
☐ Grade Construction ☐ Type Pit ☐ Capacity ☐ Dikes ☐ Waste Transport

• RRC AUSTIN USE ONLY •

Date received Pit code Pit type Permit no Permit date

RECEIVED
RRC OF TEXAS
DEC 20 2005
O&G - ENV S
AUSTIN

RAILROAD COMMISSION OF TEXAS

OIL AND GAS DIVISION

March 8, 2005

ENTERPRISE PRODUCTS OPERATING LP
ATTN LEGAL DEPT - KYLE L WEBSTER
P O BOX 4324
HOUSTON TX 77210 4324

Re: Application for a Permit to Maintain and Use a Pit
(Forms H-11)
LP North Storage Ponds Nos. 3 & 4
Enterprise East (11102) Lease
Chambers County, Texas
Application Control Nos. 011287 & 011288

Your applications (Forms H-11) dated December 19, 2005, and additional information received on February 6, 2006, has been reviewed. This letter is to advise you that the applications are complete. The applications contain information addressing each permit requirement and all information necessary to initiate the final review.

Commission staff will perform the final review and advise you whether the permit applications are administratively granted or denied.

You may contact me at (512) 463-6799, should you have any questions.

Sincerely yours,

Richard Behal
Environmental Services

RWB

cc: RRC – Houston / 03

CN011287
Enterprise Products Operating L.P.
Mont Belview North Storage Facility
Enterprise East (11102) Lease, Pond 3
Chambers County

1. Pit capacity: 3,911,600 bbls;
2. Pit area: 23 acres;
3. Leak collection and return system capacity (LCRS): drainage net capacity – 166,997 gpd; collection pipe capacity - 407,763 gpd; pump and return capacity – 204,480 gpd;
4. Leak Rate: 23,000 gallons per day (= 1,000 gallon per acre per day (gpad) and is 13% of LCRS capacity of 166,997 gpd); and,
5. Liners/drainage material: 60-mil HDPE primary liner, 40-mil HDPE secondary liner, and 200-mil HDPE drainage net.

Proposed Leakage Rate:

Action leakage rate is defined as the maximum design flow rate that the leak detection system (LDS) can remove without the fluid head on the bottom (secondary) liner exceeding 1 foot. The maximum allowable leak rate recommended by the EPA is 1,000 gallon per acre per day. Therefore, based on the capacity of the LCRS and the size (acres) of the pit, the proposed action leakage rate of 23,000 gpad for 011287 is within the maximum allowable leakage rate recommended by the EPA.

Source: Action Leakage Rates For Leak Detection Systems.
EPA 530-R-92-004 Publication PB92-128214

RWB
3/7/06

Enterprise Products

P.O. Box 4324 Houston, Texas 77210-4324 713.880.6500
2727 North Loop West Houston, Texas 77008-1044 www.epplp.com

December 19, 2005

Ms. Jill Hybner
Program Manager, Surface Waste Management
Oil and Gas Division
Railroad Commission of Texas
P.O. Box 12967
Austin, Texas 78711-2957

Re: Enterprise Products Operating, L.P.
Mont Belvieu storage Facility, North Field, Chambers County
Proposed Brine Storage Pits No. 3 and No. 4 North
TRRC Pit Permit Nos. (Pending) North

Dear Ms. Hybner:

Enterprise Products Operation L.P. (EPOLP) proposes to construct two (2) new brine storage pits at its North Storage Facility in Mont Belvieu Texas, Chambers County.

EPOLP hereby request that permits be granted to construct and operate these two proposed pits. In support of this request, please find enclosed a form H-11 for each proposed pit with geotechnical information and detailed site and construction plans attached.

Please note that each pit is designed as a double-lined pit including a 60-mil HDPE primary liner, a 40-mil HDPE secondary liner and a 200-mil HDPE drainage net between the liners. Each pit is also designed with an inter-liner leak collection system to automatically collect and return to the respective pit any leakage from the primary liner.

The leak collection and return system for each pit has a capacity of 102,200 gallons per day, as limited by the sump pump capacity. The pit plan areas are 23 acres for proposed Pit No. 3 North and 12.5 acres for proposed Pit No. 4 North. EPOLP additionally requests that the permit issued for each pit include a maximum allowable leak rate to the secondary liner of 23,000 gallons per day for Pit No. 3 North and 12,500 gallons per day for Pit No. 4 North.

We appreciate your attention to this matter. If you have any question or need additional information, please contact Kyle Webster at (713) 803-8206.

Sincerely,

Enterprise Products Operating L.P.

Kyle Webster

Enclosures

cc: Mr. Guy M. Grossman, District Director
Railroad Commission of Texas
Oil and Gas Division, District 3
1706 Seamist Drive, Suite 501
Houston, TX 77008-3135

RAILROAD COMMISSION OF TEXAS

OIL AND GAS DIVISION

January 18, 2006

ENTERPRISE PRODUCTS OPERATING LP
ATTN LEGAL DEPT - KYLE L WEBSTER
P O BOX 4324
HOUSTON TX 77210 4324

Re: Application for a Permit to Maintain and Use a Pit (Forms H-11)
North Storage Facility/Lease, Ponds Nos. 3 & 4
Chambers County, Texas
Application Control Nos. 011287 & 011288

We are in receipt of your applications (Form H-11) dated December 19, 2005, for permits to maintain and use a brine pit at the above reference facility. The following information/clarification will be necessary to complete your applications:

1. According to Items Nos. 6 and 7 the application (Form H-11), the proposed pits are located on the Enterprise North Storage Lease or Facility of the Enterprise East (11102) Lease. Clarify if the proposed pits will be located on Enterprise North Storage Facility of the Enterprise East (11102) Lease or on the Enterprise North (number yet to be assigned) Lease.
2. According to Item 9 of the applications (Forms H-11), the proposed pits are located on the Hannah Nash Survey, Abstract A-20, and the Dan Jergins Survey, Abstract A-599, but the plats submitted with the applications indicate the proposed pits are located entirely within the Dan Jergins Survey, Abstract A-599. Please clarify.
3. According to the applications the pits will be equipped with a leak detection system with a drainage net between the liners and a collection system to automatically collect and return any leakage from the primary liner to the pit. Please provide procedures and frequency for monitoring the leakage rate.
4. Provide the distance to nearest water well within one-mile of the proposed pits and the depth of this water well (Refer to Items 21a and b of the Forms H-11).

Please provide the requested information to this office within 30 days of the date of this letter. You may contact me at (512) 463-6799 should you have any questions.

Sincerely yours,

Richard Behal
Environmental Services

RWB

cc: RRC – Houston / 03

Enterprise Products

P.O. Box 4324 Houston, Texas 77210-4324 713.880.6500
2727 North Loop West Houston, Texas 77008-1044 www.epplp.com

February 3, 2006

Mr. Richard Behal
Railroad Commission of Texas
Oil and Gas Division
P.O. Box 12967
Austin, Texas 78711-2957

Re: Enterprise Products Operating L.P.
Enterprise North Storage Facility, Ponds 3 & 4
Chambers County, Texas
Application for a Permit to Maintain & Use a Pit (Forms H-11)
Application Control Nos. 011287 & 011288

Dear Mr. Behal:

In response to your letter dated January 18, 2006, we offer the following responses and additional information per your questions and comments:

Q. According to Items 6 and 7 of the application (Form H-11), the proposed pits are located on the Enterprise North Storage Lease or Facility of the Enterprise East (11102) Lease. Clarify if the proposed pits will be located on Enterprise North Storage Facility of the Enterprise East (11102) Lease or on the Enterprise North (number yet to be assigned) Lease.

A. The pits will be located on the Enterprise North Storage Facility of the Enterprise East (11102) Lease.

Q. According to Item 9 of the applications (Forms H-11), the proposed pits are located on the Hannah Nash survey, Abstract A-20, and the Dan Jergins Survey, Abstract A-599, but the plats submitted with the applications indicate the proposed pits are located entirely within the Dan Jergins Survey, Abstract A-599. Please clarify.

A. The proposed pits are located entirely within the Dan Jergins Survey, Abstract A-599.

Q. According to the applications the pits will be equipped with a leak detection system with a drainage net between the liners and a collection system to automatically collect and return any leakage from the primary liner to the pit. Please provide procedures and frequency for monitoring the leakage rate.

A. The leak collection rate for each pit will be monitored and logged/recorded on a daily basis.

Q. Provide the distance to nearest water well within one-mile of the proposed pits and the depth of this water well (Refer to Items 21a and b of the Forms-11).

A. There are no water wells located within the one-mile reporting distance of the pits.

Again we appreciate your attention to this matter. If you have any additional questions or comments, please contact me at (713) 803-8206.

Sincerely,

Enterprise Products Operating L.P.

Kyle Webster

cc: Mr. Guy M. Grossman, District Director
Railroad Commission of Texas
Oil & Gas Division, District 3
1706 Seamist Drive, Suite 501
Houston, Texas 77008-3135

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division
Field Operations

DISTRICT OFFICE

INSPECTION REPORT

D-O
rev. 3/03

2006 JOB NO. 1969

DISTRICT 03

OPERATOR ENTERPRISE PRODUCTS OPERATING LLC

LEASE/FACILITY ENTERPRISE PRODUCTS (MARCH STORAGE)

WELL No.(s) (BRINE PITS)

FIELD BARBERS HILL

COUNTY CHAMBERS ☒ COASTAL MGT. AREA

☐ COMPLAINT NO.

COMPLAINANT NAME

DIRECTIONS

LEASE/ID 11102

DRILL PMT. NO.

PLANT NO.

PIT PMT. NO.

PIPELINE PMT. NO.

OTHER CONTROL/PERMIT NO.

LE DOCKET CN-011287 CN-011288

SFP CODE

SFCU CODE

☐ MUST WITNESS
☒ FIELD INITIATED
☒ TAKEN BY ☒ AUSTIN ☐ DISTRICT
☐ BACKCHECK
☐ COINSPECTION
☐ SWEEP

TOTAL:
UIC WELLS INSP
WELLS INSP
SITES INSP 2

% TIME UIC ENV SITE REM
LEGAL ENF PRO/PROD TERRA
SFP OTHER

GPS COORDINATES: ☒ NO ☐ YES: LOG #
LAT LONG

ACTIVITY *(check appropriate boxes)*

A	☐	BLOWOUT	P	☐	OIL SPILL (NON-SENS.)
B	☐	COM. SURFACE DISP. FACILITY	Q	☐	OIL SPILL (SENS. AREA)
C	☐	COM. DISPOSAL WELL	R	☒	PIT INSPECTION
D	☐	FLARE/VENT	S	☐	PLANT INS
E	☐	DISPOSAL/INJECTION	T	☐	PLUGGING (OPER.)
F	☐	DRILLING RIG	U	☐	PLUGGING (SFP)
G	☐	FIRE	V	☐	PROD. WATER SPILL
H	☐	H2S COMPLIANCE INSP.	W	☐	PROD. TEST
I	☐	H2S INCIDENT	X	☐	PROD./INT. CASING
J	☐	HYDROCARBON STRG.	Y	☐	SEAL WELL
K	☒	LEASE INSPECTION	Z	☐	SITE ASSMT (SFCU)
L	☐	MIT	AA	☐	SITE CLEAN-UP (SFCU)
M	☐	MINOR PERMIT	BB	☐	SURFACE CASING
N	☐	OFFICE	CC	☐	WASTE HAULER
O	☐	OTHER			

FIELD INSPECTION STATUS		COMPLIANCE yes	COMPLIANCE no	Prev. viols.	New viols.	Total viols.
SWR 2	Access to Property	☑	☐			
SWR 3	Signs	☐	☐			
SWR 8	Water Protection	☐	☐			
SWR 9	Disposal Wells	☐	☐			
SWR 13	Casing/Cementing	☐	☐			
SWR 14(b)(2)	Inactive Wells	☐	☐			
SWR 17	Pressure on Bradenhead	☐	☐			
SWR 21	Firewalls	☐	☐			
SWR 22	Protection of Birds	☐	☐			
SWR 27	Gas Metering	☐	☐			
SWR 32	Flaring/Venting	☐	☐			
SWR 36	Hydrogen Sulfide	☐	☐			
SWR 46	Injection Wells	☐	☐			
SWR 91	Oil Spill Clean-up	☐	☐			
OTHER		☐	☐			
OTHER		☐	☐			

RECEIVED
RRC OF TEXAS
MAR 14 2006
OGG - ENV SVCS
AUSTIN

COMMENTS:

AT TIME OF INSPECTION: PITS IN INITIAL CONSTRUCTION FOR APPROX. 3 TO 4 WEEKS - ZACHRY, INC, SAN ANTONIO, TX - DIGGING AND MOVING DIRT FOR PITS SITES.

PHOTO TAKEN: 2 EA NO(S) 424, 425

I CERTIFY THIS DATA IS TRUE AND COMPLETE:

TECH NO. 342 DATE 02/22/06

	MILEAGE	TIME	LUNCH
START:	93,395	1030	(MIN)
END:	93,413	1200	☐ JOB INTERRUPT

OFFICE REVIEW
BY
DATE 3/13/06

RAILROAD COMMISSION OF TEXAS

OIL AND GAS DIVISION
PERMIT TO MAINTAIN AND USE A PIT

Pit Permit No. P011287

ENTERPRISE PRODUCTS OPERATING LP
ATTN LEGAL DEPT
P O BOX 4324
HOUSTON TX 77210 4324

Based on information contained in your application (Form H-11) dated December 19, 2005 and subsequent information received to date, you are hereby authorized to maintain and use the pit designated herein:

Type of Pit: Brine Pit
North Storage Facility, Pond #3
Enterprise East (11102) Lease
1775 feet FSL and 1535 feet FWL of Dan Jergins Survey, A-599
Chambers County, RRC District 03

Authority is granted to maintain and use the pit in accordance with Statewide Rule 8 and subject to the following conditions:

1. The Houston District Office must be notified upon completion of construction. The permittee may not begin using the pit until the District Office has inspected the pit and verified that the pit is constructed in accordance with the application and permit.
2. Use of the pit is limited to storage of brine used to displace hydrocarbons from the Enterprise East underground storage facility. No other oil field fluids or oil and gas wastes may be stored or disposed of in the pit.
3. The capacity of the pit may not exceed 3,911,600 barrels.
4. At least 2 feet of freeboard must be maintained between the fluid level in the pit and the top of the pit dikes.
5. The pit must be lined with a high density polyethylene primary liner with a thickness of at least 60 mils and a high density polyethylene secondary liner with a thickness of at least 40 mils.
6. The liner must be installed in accordance with the liner manufacturer's specifications and sound engineering practices.

7. The pit must be equipped with a leak detection system including a 200 mil high density polyethylene drainage net between the liners and a collection system to collect and return any leakage from the primary liner to the pit. The leak detection system must be monitored at least monthly.

8. If the leak detection system indicates liner failure, the District Office must be notified of that fact within 24 hours of detection of liner failure. Liner system failure is defined as any of the following:

   - A leak rate from the primary liner greater than 23,000 gallons per day.
   - Any failure in the leak detection and return system or any component thereof.
   - Any detected damage to or leakage from the secondary liner.

9. If a liner system failure is detected, the affected component must be inspected for deterioration and leaks within 10 days of detection of liner failure. After inspection, the affected component must be replaced or repaired before use of the pit is resumed.

10. The permittee must maintain a record of when the leak detection system and the liner is inspected and the results of each inspection. This record must be maintained by the permittee for the life of the liner, and, upon request of the Commission, the record shall be filed with the Commission.

11. Unless otherwise required by conditions of this permit, construction, use, and maintenance of the pit shall be in accordance with the information represented on the application (Form H-11) and attachments thereto.

12. A sign shall be posted at the pit which shall show the pit permit number in numerals at least one inch in height.

13. The pit must be dewatered, emptied, backfilled, and compacted within 120 days of final cessation of use of the pit. Final closure of the pit must be accomplished in such a manner that rainfall will not collect at the pit location after pit closure. Upon final closure, the District Office shall be notified in writing.

14. This permit will automatically transfer to a new operator when the P-4 is filed and approved by the Commission.

15. This permit does not authorize the discharge of any oil and gas wastes from the pit.

This authorization is granted subject to review and cancellation should investigation show that such authorization is being abused.

APPROVED AND ISSUED ON: March 21, 2006.

Jill Hybner, Manager
Surface Waste Management Section
Environmental Services

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division
Field Operations

DISTRICT OFFICE

INSPECTION REPORT

RW 1-10-00 D-O rev. 3/03

JOB NO. 07-362

DISTRICT 03

OPERATOR ENTERPRIZE Products Oper. LP
LEASE/FACILITY N. STORAGE Facility
WELL No.(s) POND #3
FIELD BARBERS Hill
COUNTY Chambers ☒ COASTAL MGT. AREA
☐ COMPLAINT NO.
COMPLAINANT NAME
DIRECTIONS

LEASE/ID 11102
DRILL PMT. NO.
PLANT NO.
PIT PMT. NO PO 11287
PIPELINE PMT. NO.
OTHER
LE DOCKET
SFP CODE
SFCU CODE

☐ MUST WITNESS
☐ FIELD INITIATED
☒ TAKEN BY Ron
☐ AUSTIN ☒ DIST
☐ BACKCHECK
☐ COINSPECTION
☐ SWEEP

TOTAL:
UIC WELLS INSP
WELLS INSP
SITES INSP 1

RECEIVED RRC OF TEXAS DEC 27 2007 OGC AUSTIN TX

TIME: UIC ENV SITE REM
LEGAL ENF PRO/PROD AIR/RRA
SFP OTHER

GPS COORDINATES: ☐ NO ☐ YES: LOG # ____
LAT ____ LONG ____

ACTIVITY *(check appropriate boxes)*

A ☐	BLOWOUT	P ☐	OIL SPILL (NON-SENS.)
B ☐	COM. SURFACE DISP. FACILITY	Q ☐	OIL SPILL (SENS. AREA)
C ☐	COM. DISPOSAL WELL	R ☒	PIT INSPECTION
D ☐	FLARE/VENT	S ☐	PLANT INS____
E ☐	DISPOSAL INJECTION	T ☐	PLUGGING (OPER'S)
F ☐	DRILLING RIG	U ☐	PLUGGING (SFP)
G ☐	FIRE	V ☐	PROD. WATER SPILL
H ☐	H2S COMPLIANCE INSP.	W ☐	PROD. TEST____
I ☐	H2S INCIDENT	X ☐	PROD./INT. CASING
J ☐	HYDROCARBON STRG.	Y ☐	SEAL WELL
K ☐	LEASE INSPECTION	Z ☐	SITE ASSMT (SFCU)
L ☐	MIT____	AA ☐	SITE CLEAN-UP (SFCU)
M ☐	MINOR PERMIT	BB ☐	SURFACE CASING
N ☐	OFFICE____	CC ☐	WASTE HAULER
O ☐	OTHER		

FIELD INSPECTION STATUS		COMPLIANCE yes	COMPLIANCE no	Prev. viols.	New viols.	Tot vio
SWR 2	Access to Property	☒	☐			
SWR 3	Signs	☒	☐			
SWR 8	Water Protection	☐	☐			
SWR 9	Disposal Wells	☐	☐			
SWR 13	Casing/Cementing	☐	☐			
SWR 14(b)(2)	Inactive Wells	☐	☐			
SWR 17	Pressure on Bradenhead	☐	☐			
SWR 21	Firewalls	☐	☐			
SWR 22	Protection of Birds	☐	☐			
SWR 27	Gas Metering	☐	☐			
SWR 32	Flaring/Venting	☐	☐			
SWR 36	Hydrogen Sulfide	☐	☐			
SWR 46	Injection Wells	☐	☐			
SWR 91	Oil Spill Clean-up	☐	☐			
OTHER		☐	☐			
OTHER		☐	☐			

COMMENTS: Pit lined as required on permit. Leak detection system installed as permit. Auto monitoring system on leak detection not completed at this time. Manual monitoring until fully installed. Dust finish. pump out ground water. Signs posted.

32

I CERTIFY THIS DATA IS TRUE AND COMPLETE:
Ron Murdock
TECH NO. 195 DATE 5-15-07

	MILEAGE	TIME	LUNCH
START:	59102	0930	____(MIN)
END:	59131	1130	☐ JOB INTERRUPT

OFFICE REVIEW
BY RES
DATE 05/23/07

Equipment and Categories List
Part A

Part A of the Equipment and Categories List is a list of property that the executive director has determined is used either wholly or partly for pollution control purposes. The items listed are described in generic terms without the use of brand names or trademarks and includes a defined use percentage. The use percentages on Part A of the ECL are established based on standard uses of the pieces of equipment involved. If the executive director determines that the equipment is not being used in a standard manner, the executive director may require that a Tier III analysis, using the Cost Analysis Procedure, be conducted by the applicant in order to calculate the appropriate use determination percentage. The executive director may also use the Cost Analysis Procedure, where it is appropriate, in order to more accurately reflect the environmental benefit at the site. The commission will review and update the list at least once every three years. Items may be added only if there is compelling evidence to support the conclusion that the item provides pollution control benefits and a justifiable pollution control percentage is calculable. Items may be removed from the list only if there is compelling evidence to support the conclusion that the item does not render pollution control benefits. Property used solely for product collection or for production is not eligible for a positive use determination. Property used solely for worker safety or fire protection does not qualify as pollution control property. For items where the description limits the use determination percentage to the incremental cost difference, the cost of the property or device without the pollution control feature is compared to a similar device or property with the pollution control feature. Part A was formerly referred to as the Predetermined Equipment List. Part A is a list adopted under TTC, §11.31(g).

Air Pollution Control Equipment

No.	Media	Property	Description	%
Particulate Control Devices				
A-1	Air	Baghouse Dust Collectors	Structures containing filters, blowers, ductwork—used to remove particulate matter from exhaust gas streams.	100
A-2	Air	Demisters or Mist Eliminators Added	Mesh pads or cartridges — used to remove entrained liquid droplets from exhaust gas streams.	100
A-3	Air	Electrostatic Precipitators	Wet or dry particulate collection by creating an electric field between positive or negative electrodes and collection surface.	100
A-4	Air	Dry Cyclone Separators	Single or multiple inertial separators, with blowers, ductwork, etc. used to remove particulate matter from exhaust gas streams.	100
A-5	Air	Scrubbers	Wet collection device using spray chambers, wet cyclones, packed beds, orifices, venturi, or high-pressure sprays to remove particulates and chemicals from exhaust gas streams. System may include pumps, ductwork, blowers, etc. needed for the equipment to function.	100
A-6	Air	Water/Chemical Sprays and Enclosures for Particulate Suppression	Spray nozzles, conveyor and chute covers, windshields, piping, pumps, etc. - used to reduce fugitive particulate emissions.	100
A-7	Air	Smokeless Ignitors	Installed on electric generating units in order to control particulate emissions and opacity on start-up.	100
Combustion Based Control Devices				
A-20	Air	Thermal Oxidizers	Thermal destruction of air pollutants by direct flame combustion.	100
A-21	Air	Catalytic Oxidizer	Thermal destruction of air pollutants that uses a catalyst to promote oxidation.	100
A-22	Air	Flare/Vapor Combustor	Stack, burner, flare tip, blowers, etc. - used to destroy air contaminants in a vent gas stream.	100
Non-Volatile Organic Compounds Gaseous Control (VOC) Devices				
A-40	Air	Molecular Sieve	Microporous filter used to remove Hydrogen Sulfite (H_2S) or Nitrogen Oxides (NO_x) from a waste gas	100

No.	Media	Property	Description	%
			stream.	
A-41	Air	Strippers Used in Conjunction with Final Control Device	Stripper, with associated pumps, piping - used to remove contaminants from a waste gas stream or waste liquid stream. Stripper associated with product or by-product improvement does not qualify.	100
A-42	Air	Chlorofluorocarbon (CFC) Replacement Projects	Projects to replace one CFC with an environmentally cleaner CFC or other refrigerant where there is no increase in the cooling capacity or the efficiency of the unit. Includes all necessary equipment needed to replace the CFC and achieve the same level of cooling capacity.	100
A-43	Air	Refrigerant Recycling Equipment	Equipment used to recover and recycle CFC's and halocarbons.	50
A-44	Air	Halogen Replacement Projects	All necessary equipment needed to replace the Halogen in a fire suppression system with an environmentally cleaner substance.	100
Monitoring and Sampling Equipment				
A-60	Air	Fugitive Emission Monitors	Organic vapor analyzers - used to discover leaking piping components.	100
A-61	Air	Continuous & Noncontinuous Emission Monitors	Monitors, analyzers, buildings, air conditioning equipment, gas find Infrared (IR) Cameras, etc. constituting a monitoring system required to demonstrate compliance with emission limitations of regulated air contaminants (including flow and diluent gas monitors and dedicated buildings).	100
A-62	Air	Monitoring Equipment on Final Control Devices	Temperature monitor or controller, flow-meter, pH meter, etc. for a pollution control device. Monitoring of production equipment or processes is not included.	100
A-63	Air	On or Off-Site Ambient Air Monitoring Facilities	Towers, structures, analytical equipment, sample collectors, monitors, power supplies, etc.	100
A-64	Air	Noncontinuous Emission Monitors, Portable	Portable monitors, analyzers, structures, trailers, air conditioning equipment, gas find IR Cameras, etc. used to demonstrate compliance with emission limitations.	100
A-65	Air	Predictive Emission Monitors	Monitoring of process and operational parameters that are used to calculate or determine compliance with emission limitations.	100
A-66	Air	Sampling Ports	Construction of stack or tower sampling ports used for emission sampling or for the monitoring of process or operational parameters that are used to calculate or determine compliance with emission limitations.	100
A-67		Automotive Dynamometers	Automotive dynamometers used for in-house emissions testing of fleet vehicles in order to reduce emissions.	100
Control of Nitrogen Oxides				
A-80	Air	Selective Catalytic and Non-catalytic Reduction Systems	Catalyst bed, reducing agent injection and storage, monitors - used to reduce Nitrogen Oxide (NO_x) emissions from engines/boilers. Non-selective systems use a reducing agent without a catalyst.	100
A-81	Air	Catalytic Converters for Stationary Sources	Used to reduce NO_x emissions from internal combustion engines.	100
A-82	Air	Air/Fuel Ratio Controllers for Piston-Driven Internal Combustion Engines	Used to control the air/fuel mixtures and reduce NO_x formation for fuel injected, naturally aspirated, or	100

No.	Media	Property	Description	%
			turbocharged engines.	
A-83	Air	Flue Gas Recirculation	Ductwork, blowers, etc. - used to redirect part of the flue gas back to the combustion chamber for reduction of NO_x formation. May include flyash collection in coal fired units.	100
A-84	Air	Water/Steam Injection	Piping, nozzles, pumps, etc. to inject water or steam into the burner flame of utility or industrial burners or the atomizer ports for gas turbines, used to reduce NO_x formation.	100
A-85	Air	Overfire Air & Combination of asymmetric over fire air with the injection of anhydrous ammonia or other pollutant-reducing agents	The asymmetric over fire air layout injects preheated air through nozzles through a series of ducts, dampers, expansion joints, and valves also anhydrous ammonia or other pollutant-reducing agent injection is done at the same level.	100
A-86	Air	Burners Out of Service	Staging of burner firing by not firing specific burners within a combustion unit for the purpose of eliminating hot spots to reduce NO_x emissions.	100
A-87	Air	Lean-Burn Gas-Fired Compressor Engines	Advanced ignition & combustion system that introduces excess air into a reciprocating gas-fired compressor engine to make the engine run lean thereby lowering combustion temperatures, which reduces NOx formation.	20
A-88	Air	Low-NO_x Burners	Replacement of existing incinerator, furnace or boiler burners with low-NO_x burners for pollution control purposes. The incremental cost difference between the existing burners and the new burners is eligible for a positive use determination.	100
A-89	Air	Over-Fire Air Systems	System which diverts combustion air from the burners to ports or nozzles located above the burners to reduce combustion zone temperatures thereby reduces thermal NO_x	100
A-90	Air	Low Emissions Conversion Kit for Internal Combustion Reciprocating Compressor Engines	Installation of conversion kits to reduce NOx emissions from existing internal combustion engines used to drive natural gas compressors These kits include igniter cells or assemblies that ignite a fuel rich mixture in a pre-combustion chamber and forcing it into the power cylinder while still burning. Additional components consist of pilot gas system that delivers rich fuel to the igniter cell & power cylinders, power pistons, & power cylinder heads to replace the existing cylinders, pistons & heads.	100
A-91	Air	Water Lances	Installed in the fire box of boilers and industrial furnaces to eliminate hot spots; thereby reducing NO_x formation.	100
A-92	Air	Electric Power Generation Burner Retrofit	Retrofit of existing burners on electric power generating units with components for reducing NOx including directly related equipment.	100
A-93	Air	High-Pressure Fuel Injection System	Retrofit technology for large bore natural gas fired internal combustion engines to reduce NOx and Carbon Monoxide (CO) emissions. System includes injectors, fuel lines, and electronic controls.	40
A-94	Air	Wet or Dry Sorbent Injection Systems	Use of a sorbent for flue gas desulfurization or NOx control.	100
Volatile Organic Compounds (VOC) Control				
A-110	Air	Activated Carbon Systems	Carbon beds or liquid-jacketed systems, blowers,	100

No.	Media	Property	Description	%
			piping, condensers - used to remove VOCs or odors from exhaust gas streams.	
A-111	Air	Storage Tank Secondary Seals and Internal Floating Roofs	Used to reduce VOC emissions caused by evaporation losses from above ground storage tanks.	100
A-112	Air	Replacement of existing pumps, valves, or seals in piping service	The incremental cost difference between the cost of the original equipment and the replacement equipment is eligible only when the replacement of these parts is done for the sole purpose of eliminating fugitive emissions of volatile organic compounds. New systems do not qualify for this item.	100
A-113	Air	Welding of pipe joints in VOC service (Existing Pipelines)	Welding of existing threaded or flanged pipe joints in order to eliminate fugitive emission leaks.	100
A-114	Air	Welding of pipe joints in VOC Service (New construction)	The incremental cost difference between the cost of using threaded or flanged joints and welding of pipe joints in VOC service.	100
A-115	Air	Carbon Absorber	Preventive abatement equipment absorbs VOCs, Freon and emission streams by using carbons atoms to combine with organic chemicals.	100
Mercury Control				
A-133	Air	Sorbent Injection Systems	Sorbents sprayed into the flue gas that chemically reacts to absorb mercury. The sorbents are then removed by a particulate removal device. Equipment may include pumps, tanks, blowers, nozzles ductwork, hoppers, particulate collection devices, etc. needed for the equipment to function.	100
A-134	Air	Fixed Sorbent Systems	Equipment, such as stainless steel plate with a gold coating, that is installed in the flue gas to absorb mercury.	100
A-135	Air	Mercury Absorbing Filters	Filters which absorb mercury such as those using the affinity between mercury and metallic selenium.	100
A-136	Air	Oxidation Systems	Equipment used to change elemental mercury to oxidized mercury. This can be catalysts (similar to Selective Catalytic Reduction (SCR) catalyst) or chemical additives which can be added to the flue gas or directly to the fuel.	100
A-138	Air	Photochemical Oxidation	Use of a ultraviolet light from a mercury lamp to provide an excited state mercury species in flue gas, leading to oxidation of elemental mercury.	100
A-141	Air	Chemical Injection Systems	Equipment used to inject chemicals into the combustion zone or flue gas that chemically bonds mercury to the additive which is then removed in a particulate removal device.	100
Control of Sulfur Oxides				
A-168	Air	Wet and Dry Scrubbers	Circulating fluid bed and moving bed technologies using a dry sorbent or various wet scrubber designs that inject a wet sorbent into the scrubber.	100
Miscellaneous Control Equipment				
A-180	Air	Hoods, Duct and Collection Systems connected to Final Control Devices	Piping, headers, pumps, hoods, ducts, etc. - used to collect air contaminants and route them to a control device.	100
A-181	Air	Stack Modifications	Construction of stacks extensions. In order to meet a permit requirement.	100
A-182	Air	New Stack Construction	The incremental cost difference between the stack height required for production purposes and the stack height required for pollution control purposes.	100

No.	Media	Property	Description	%
A-183	Air	Stack Repairs	Repairs made to an existing stack in order for that stack to provide the same level of pollution control as was previously provided.	100
A-184	Air	Vapor/Liquid Recovery Equipment for Fugitive Emissions	Hoods or other enclosures including piping and pumps or fans used to capture fugitive emissions from process equipment. The captured vapors are condensed or extracted for reuse or sold as product.	100
A-185	Air	Vapor/Liquid Recovery Equipment (for venting to a control device)	Piping, blowers, vacuum pumps, compressors, etc. - used to capture a waste gas or liquid stream and vent to a control device. Including those used to eliminate emissions associated with loading tank trucks, rail cars, and barges.	100
A-186	Air	Paint Spray Booth Attached to a Final Control Device (Replacement which provides increased pollution prevention or control)	The incremental cost difference between the new paint booth and the replaced paint booth.	100
A-187	Air	Paint Spray Booth Attached to a Final Control Device (New Construction)	Pollution control equipment associated with the paint booth – including the items such as the control device, water curtain, filters, or other devices to capture paint fumes.	100
A-188	Air	Powder Coating System – Installed to replace an existing paint booth.	The incremental cost difference between the Powder Coating System and the Paint Spray Booth which was replaced.	100
A-189	Air	Powder Coating System – New construction	Powder recovery system.	100
A-190	Air	Blast Cleaning System – Connected to a Control Device	Particulate control device and blast material recycling system.	100
Dry Cleaning Related Equipment				
A-200	Air	Perchloroethylene (Perc) Closed-Loop Dry Cleaning Machines	Dry-to-dry closed loop technology sealed during the entire dry cleaning sequence to eliminate solvent emissions and minimize hazardous waste disposal.	60
A-201	Air	Cartridge and Spin Disc Filtration Systems	A control device used to lessen emissions of VOC for naphtha cleaning systems.	40
A-202	Air	Petroleum Dry-to-Dry Cleaning Machines	Closed loop system using naphtha instead of perchloroethylene.	60
A-203	Air	Petroleum Re-claimers	A unit used to collect VOC emissions in the drying process.	60
A-204	Air	Refrigerated Vapor Condenser. (Includes only the components that recover the vapors.)	A device that uses refrigerants to condense recovered vapors to liquids. Associated with dry cleaners, degreasers, or recovery of solvents from cleaning inside bulk containers or process vessels.	90
A-205	Air	Secondary Containment	External structure or liner used to collect liquids released from dry cleaning equipment or chemical storage devices.	100
A-206	Air	Direct Coupled Solvent Delivery Systems	Replacement of solvent delivery systems at existing dry cleaning facilities.	100

Wastewater Pollution Control Equipment

No.	Media	Property	Description	%
Solid Separation and De-watering				
W-1	Water	API Separator	Separates oil, water, and solids by settling and skimming.	100
W-2	Waste water	CPI Separator	Mechanical oil, water, and solids separator.	100

W-3	Waste water	Dissolved Air Flotation	Mechanical oil, water, and solids separator.	100
W-4	Waste water	Skimmer	Hydrocarbon.	100
W-5	Waste water	Decanter	Used to decant hydrocarbon from process wastewater.	100
W-6	Waste water	Belt Press, Filter Press, Plate and Frame, etc.	Mechanical de-watering devices.	100
W-7	Water	Centrifuge	Separation of liquid and solid waste by centrifugal force, typically a rotating drum.	100
W-8	Water	Settling Basin	Simple tank or basin for gravity separation of suspended solids.	100
W-9	Water	Equalization	Tank, sump, or headbox used to settle solids and equilibrate process wastewater streams.	100
W-10	Water	Clarifier	Circular settling basins usually containing surface skimmers and sludge removal rakes.	100
Disinfection				
W-20	Water	Chlorination	Wastewater disinfection treatment using chlorine.	100
W-21	Water	De-chlorination	Equipment for removal of chlorine from water or waste water.	100
W-22	Water	Electrolytic Disinfection	Disinfect water by the use of electrolytic cells.	100
W-23	Water	Ozonization	Equipment that generates ozone for the disinfection of waste water.	100
W-24	Water	Ultraviolet	Disinfection of wastewater by the use of ultraviolet light.	100
W-25	Water	Mixed Oxidant Solution	Solution of chlorine, chlorine dioxide, and ozone to replace chlorine for disinfection.	100
Biological Systems				
W-30	Water	Activated Sludge	Biologically activating carbon matter in waste water by aeration, clarification, and return of the settled sludge to aeration.	100
W-31	Water	Adsorption	Use of activated carbon to remove organic water contaminants.	100
W-32	Water	Aeration	Passing air through wastewater to increase oxygen available for bacterial activities that remove contaminants.	100
W-33	Water	Rotary Biological Contactor	Use of large rotating discs that contain a bio-film of microorganisms that promote biological purification of the wastewater.	100
W-35	Water	Trickling Filter	Fixed bed of highly permeable media in which wastewater passes through and forms a slime layer to remove contaminants.	100
W-36	Water	Wetlands and Lagoons (artificial)	Artificial marsh, swamp, or pond that uses vegetation and natural microorganisms as bio-filters to remove sediment and other pollutants.	100
W-37	Water	Digester	Enclosed, heated tanks for treatment of sludge that is broken down by bacterial action.	100
Other Equipment				
W-50	Water	Irrigation	Equipment that is used to disburse treated wastewater through irrigation on the site.	100
W-51	Water	Outfall Diffuser	Device used to diffuse effluent discharge from an outfall.	100
W-52	Water	Activated Carbon Treatment	Use of carbon media such as coke or coal to remove organics and particulate from waste water. May be used in either fixed or fluidized beds.	100

W-53	Water	Oxidation Ditches and Ponds	Process of pumping air bubbles into a pond to assist in oxidizing organic and mineral pollution.	100
W-54	Water	Filters: Sand, Gravel, Microbial	Passing wastewater through a sand or gravel bed to remove solids and reduce bacteria.	100
W-55	Water	Chemical Precipitation	Process used to remove heavy metals from wastewater.	100
W-56	Water	Ultra-filtration	Use of semi-permeable membrane and hydrostatic pressure to filter solids and high molecular weight solutes.	100
W-57	Water	Conveyances, Pumps, Sumps, Tanks, Basins	Used to segregate storm water from process water, control storm water runoff, or convey contaminated process water.	100
W-58	Water	Water Recycling Systems	Installed systems, excluding cooling towers, that clean, recycle, or reuse wastewater or use grey water or storm water in order to reduce the amount of a facility's discharge or the amount of new water used as process or make-up water including Zero Discharge Systems.	100
W-59	Water	Wastewater Treatment Facility/Plant	New wastewater treatment facilities constructed to process wastewater generated on-site.	100
W-60	Water	High-Pressure Reverse Osmosis	The passing of a contaminated water stream over a permeable membrane at high pressure to collect contaminants.	100
W-61	Water	Hydro-cyclone Vapor Extraction	An air-sparged hydro-cyclone for the removal of VOCs from a wastewater stream.	100
W-62	Water	Recycled Water Cleaning System	Equipment used to collect and recycle the water used in a high-pressure water system for cleaning contaminants from equipment and pavement.	100
W-63	Water	Chemical Oxidation	Use of hydrogen peroxide or other oxidants for wastewater treatment.	100
W-65	Water	Stormwater Containment Systems	Structures or liners used for containment of runoff from rainfall. The land that is actually occupied by the containment structure is eligible for a positive use determination.	100
W-66	Water	Wastewater Impoundments	Ponds used for the collection of water after use and before circulation.	100
W-67	Water	Oil/Water Separator	Mechanical device used to separate oils from stormwater.	100
Control/Monitoring Equipment				
W-70	Water	pH Meter, Dissolved Oxygen Meter, Chart Recorder, etc.	Used for wastewater operations control and monthly reporting requirements.	100
W-71	Water	On-line Analyzer	Device that conducts chemical analysis on sample streams for wastewater operations control.	100
W-72	Water	Neutralization	Control equipment used to adjust pH of wastewater treatment components.	100
W-73	Water	Respirometer	Device used to measure oxygen uptake or Carbon Dioxide (CO_2) release in wastewater treatment systems.	100
W-74	Water	Diversion	Structures used for the capture and control of storm water and process wastewater or emergency diversion of process material. Land means only that land which is actually occupied by the division or storage structure.	100
W-76	Water	Building	Used for housing wastewater control and monitoring equipment.	100
W-77	Water	De-foaming Systems	Systems consisting of nozzles, pilings, spray heads, and piping used to reduce surface foam.	100

Solid Waste Management Pollution Control Equipment

No.	Media	Property	Description	%

Solid Waste Management				
S-1	Land/ Water	Stationary Mixing and Sizing Equipment	Immobile equipment used for solidification, stabilization, grinding, etc. of self generated waste material for the purpose of disposal or in-house recycling.	100
S-2	Land/ Water	Decontamination Equipment	Equipment used to remove waste contamination or residues from vehicles which leave the facility.	100
S-3	Land/ Water	Solid Waste Incinerator (not used for energy recovery and export or material recovery)	Solid waste incinerators, feed systems, ash handling systems, controls, etc.	100
S-4	Land/ Water/ Air	Monitoring and Control Equipment	Alarms, indicators, controllers, etc., for high liquid level, pH, temperature, flow, etc. in waste treatment system (Does not include fire alarms).	100
S-5	Land/ Water	Solid Waste Treatment Vessels	Any vessel used for waste treatment.	100
S-6	Land/ Water	Secondary Containment	External structure or liner used to contain and collect liquids released from a primary containment device and/or ancillary equipment. Main purpose is to prevent ground water or soil contamination.	100
S-7	Land/ Water	Liners	A continuous layer or layers of natural and/or man-made materials that restrict downward or lateral escape of wastes or leachate in an impoundment, landfill, etc.	100
S-8	Land/ Water	Leachate Collection and Removal Systems	A system capable of collecting leachate or liquids, including suspended solids, generated from percolation through or drainage from a waste. Systems for removal of leachate may include sumps, pumps, piping, etc.	100
S-9	Land/ Water	Leak Detection Systems	A system capable of detecting the failure of a primary or secondary containment structure or the presence of a liquid or waste in a containment structure.	100
S-10	Land/ Water	Final Cover Systems for Landfills (Non-Commercial)	A system of liners and materials to provide drainage, erosion prevention, infiltration minimization, gas venting, biotic barrier, etc.	100
S-11	Land/ Water	Lysimeters	An unsaturated zone monitoring device used to monitor soil-pore liquid quality at a waste management unit. (e.g., below the treatment zone of a land treatment unit, etc.)	100
S-12	Water	Groundwater Monitoring Well and Systems	A groundwater well or system of wells designed to monitor the quality of groundwater at a waste management unit. (e.g., detection monitoring systems, compliance monitoring systems)	100
S-14	Air	Fugitive Emission Monitors	A monitoring device used to monitor or detect fugitive emissions from a waste management unit or ancillary equipment.	100
S-15	Land/ Water	Slurry Walls/Barrier Walls	A pollution control method using a barrier to minimize lateral migration of pollutants in soils and ground water.	100
S-16	Water	Groundwater Recovery or Remediation System	A groundwater remediation system used to remove or treat pollutants in contaminated groundwater or to contain pollutants. (e.g., pump-and-treat systems, etc.)	100
S-17	Water	Injection Wells (Including Saltwater Disposal Wells) and Ancillary Equipment	Injection well, pumps, collection tanks and piping, pretreatment equipment, monitoring equipment, etc.	100
S-18	Land/ Water	Noncommercial Landfills (used for disposal of self generated waste materials) and Ancillary Equipment	Excavation, clay and synthetic liners, leak detection systems, leachate collection and treatment equipment, monitor wells, waste hauling equipment, decontamination facilities, security systems, and equipment used to manage the disposal of waste in the landfill.	100
S-19	Land/	Resource Conservation	Pads, structures, solid waste treatment equipment used to	100

	Water	Recovery Act Containment Buildings (used for storage or treatment of hazardous waste)	meet the requirements of Subchapter O - Land Disposal Restrictions (30 TAC §335.431).	
S-20	Land/ Water	Surface Impoundments and Ancillary Equipment (Including Brine Disposal Ponds)	Excavation, ponds, clay and synthetic liners, leak detection systems, leachate collection and treatment equipment, monitor wells, pumps, etc.	100
S-21	Land/ Water	Waste Storage Used to Collect and/or Store Waste Prior to Treatment or Disposal	Tanks, containers and ancillary equipment such as pumps, piping, secondary containment, vent controls, etc. (e.g., Resource Conservation Recovery Act Storage Tanks, 90-Day Storage Facilities, Feed Tanks to Treatment Facilities, etc.)	100
S-22	Air	Fugitive Emission Containment Structures	Structures or equipment used to contain or reduce fugitive emissions or releases from waste management activities. (e.g., coverings for conveyors, chutes, enclosed areas for loading and unloading activities, etc.)	100
S-23	Water	Double Hulled Barge	Double hulled to reduce chance of leakage into public waters. (Incremental cost difference between a single hulled barge and a double hulled barge.)	30
S-24	Land	Composting Equipment	Used to compost material where the compost will be used on site. (Does not include commercial composting facilities.)	100
S-25	Land	Compost Application Equipment	Equipment used to apply compost which has been generated on-site.	100
S-26	Land	Vegetated Compost Sock	Put in place as part of a facility's permanent Best Management Plan (BMP).	100
S-27	Air	Foundry Sand Reclamation Systems for Foundries	Components of a sand reclamation system that provide specific pollution control. Includes hooding over shaker screens vented to a dust collector, conveyor covers, and emission control devices at other points.	100
S-28	Air/Water/ Land	Concrete Reclaiming Equipment	Processes mixed, un-poured concrete batches to reclaim the sand and gravel for reuse and recycles the water in a closed loop system.	100

Miscellaneous Pollution Control Equipment

No.	Media	Property	Description	%
M-1	Air/ Land/ Water	Spill Response/Cleanup Equipment Pre-positioned and Stored for Addressing Future Emergencies	Boats, barges, booms, skimmers, trawls, pumps, power units, packaging materials and containers, safety equipment, vacuum trailers, storage sheds, diversion basins, tankage, dispersants, etc.	100
M-2	Air/ Land	Hazardous Air Pollutant Abatement Equipment - required removal material contaminated with asbestos, lead, or some other hazardous air pollutant.	High-Efficiency Particulate Arresting (HEPA) Vacuum Equipment, Negative Air Pressure Enclosures, Glove Bags, Personal Protection, Disposal.	100
M-3	Air/ Land/ Water	Vacuum Trucks, Street Sweepers and Watering Trucks	Mobile Surface Cleaning Equipment - used exclusively to control particulate matter on plant roads. (Does not include sweepers or scrubbers used to control particulate matter within buildings.)	100
M-4	Land	Compactors, Barrel Crushers, Balers, Shredders	Compactors and similar equipment used to change the physical format of waste material for recycling/reuse purposes or on-site disposal of facility-generated waste.	100
M-5	Land/ Air/ Water	Distillation Recycling Systems	Used to remove hazardous content from waste solvents by heat, vaporization, and condensation. The recycled solvents must be reused at the facility generating the	100

			waste.	
M-6	Land/ Water	Boxes, Bins, Carts, Barrels, Storage Bunkers	Collection/storage containers for source-separation of materials to be recycled or reused. Does not include product storage containers or facilities.	100
M-8	Air/ Land/ Water	Environmental Paving located at Industrial Facilities	Paving of outdoor vehicular traffic areas in order to meet or exceed an adopted environmental rule, regulation or law. Does not include paving of parking areas or driveways for convenience purposes. Value of the paving must be stated on a square foot basis with a plot plan provided which shows the paving in question.	100
M-9	Air/ Land/ Water	Sampling Equipment	Equipment used to collect samples of exhaust gas, waste water, soil, or other solid waste to be analyzed for specific contaminants or pollutants.	100
M-10	Water	Dry Stack Building for Poultry Litter	A pole-barn type structure used to temporarily store poultry litter in an environmentally safe manner.	100
M-11	Land/ Water	Poultry Incinerator	Incinerators used to dispose of poultry carcasses.	100
M-12	Land/ Water	Structures, Enclosures, Containment Areas, Pads	Required in order to meet 'no contact' stormwater regulations.	100
M-13	Air	Methane Capture Equipment	Equipment used to capture methane generated by the decomposition of site generated waste material.	100
M-15	Land	Drilling Mud Recycling System	Consisting of only the Shaker Tank System, Shale Shakers, Desilter, Desander, & Degasser.	100
M-16	Land	Drilling Rig Spill Response Equipment	Includes only the Ram Type Blowout Preventers, Closing Unit and Choke Manifold System.	100
M-17	Air	Low NOx Combustion System	Components of power generating units designed to reduce NOx generation by operation of a drilling rig.	100
M-18	Air	Odor Neutralization and Chemical Treatment Systems	Carbon absorption, zeolite absorption, and other odor neutralizing and chemical treatment systems to meet local ordinance, or to prevent/correct nuisance odors at off-site receptors.	100
M-19	Air	Odor Dispersing and Removal Systems	Electrostatic precipitators, vertical dispersing fans, stack extensions, and other physical control equipment used to dilute, disperse, or capture nuisance odor vent streams.	100
M-20	Air	Odor Detectors	Olfactometers, gas chromatographs, and other analytical instrumentation used specifically for detecting and measuring ambient odor, either empirically or chemical specific.	100
M-21	Land	Cathodic Protection	Cathodic protection installed in order to prevent corrosion of metal tanks and piping.	100
M-22	Water	Fish and Other Aquatic Organism Protection Equipment	Equipment installed to protect fish and other aquatic organisms from entrainment or impingement in an intake cooling water structure. Equipment includes: Aquatic Filter Barrier Systems, Fine-Mesh Traveling Intake Screens, Fish Return Buckets, Sprays, Flow-Altering Louvers, Fish Trough, Fish Behavioral Deterrents, and Wetland Creation.	100
M-23	Water /Land	Double-Walled Piping	The difference between cost of single walled piping and the cost of double-walled piping, when the double-walled piping is installed in order to prevent unauthorized discharges.	100
M-24	Water/ Land	Double-walled Tanks	The difference between cost of single walled tanks and the cost of double-walled tanks, when the double-walled tanks are installed in order to prevent unauthorized discharges.	100

Equipment Located at Service Stations

No.	Media	Property	Description	%
Spill and Overfill Prevention Equipment				
T-1	Water	Tight Fill Fittings	Liquid tight connections between the delivery hose and fill pipe.	100
T-2	Water	Spill Containers	Spill containment manholes equipped with either a bottom drain valve to return liquids to the tank, or a hand pump for liquid removal.	100
T-3	Water	Automatic Shut-off Valves	Flapper valves installed in the fill pipe to automatically stop the flow of product.	100
T-4	Water	Overfill Alarms	External signaling device attached to an automatic tank gauging system.	100
T-5	Water	Vent Restriction Devices	Float vent valves or ball float valves to prevent backflow through vents.	100
Secondary Containment				
T-11	Water	Double-walled Tanks	The difference between cost of single walled tanks and the cost of double-walled tanks, when the double-walled tanks are installed in order to prevent unauthorized discharges or leaks.	100
T-12	Water	Double-walled Piping	The difference between cost of single walled piping and the cost of double-walled piping, when the double-walled piping is installed in order to prevent unauthorized discharges or leaks.	100
T-13	Water	Tank Top Sumps	Liquid tight containers to contain leaks or spills that involve tank top fittings and equipment.	100
T-14	Water	Under Dispenser Sumps	Contains leaks and spills from dispensers and pumps.	100
T-15	Water	Sensing Devices	Installed to monitor for product accumulation in secondary containment sumps.	100
T-16	Land/ Water	Concrete Paving above Underground Tanks and Pipes	Required concrete paving located above underground pipes and tanks. The use determination value is limited to the difference between the cost per square foot of the concrete paving and the cost per square foot of the other paving installed at the Service Station. This item only applies to Service Stations.	100
Release Detection for Tanks and Piping				
T-21	Water	Automatic Tank Gauging	Includes tank gauging probe and control console.	100
T-22	Water	Groundwater or Soil Vapor Monitoring	Observation wells located inside the tank excavation or monitoring wells located outside the tank excavation.	100
T-23	Water	Monitoring of Secondary Containment	Liquid sensors or hydrostatic monitoring systems installed in the interstitial space for tanks or piping.	100
T-24	Water	Automatic Line Leak Detectors	Devices installed at the pump that are designed to detect leaks in underground piping. Mechanical and electronic devices are acceptable.	100
T-25	Water	Under Pump Check Valve	Valve installed to prevent back flow in the fuel dispensing line. This device is only used on suction pump piping systems.	100
T-26	Water	Tightness Testing Equipment	Equipment purchased to comply with tank and/or piping tightness testing requirements.	100
Cathodic Protection				
T-30	Water	Isolation Fittings	Dielectric bushings and fittings to separate underground piping from above ground tanks and piping.	100
T-31	Water	Sacrificial Anodes	Magnesium or zinc anodes packaged in low resistivity backfill to provide galvanic protection.	100

T-32	Water	Dielectric Coatings	Factory installed coal-tar epoxies, enamels, fiberglass reinforced plastic, or urethanes on tanks and/or piping. Field installed coatings limited to exposed threads, fittings, and damaged surface areas.	100
Emissions Control Equipment				
T-40	Air	Stage I or Stage II Vapor Recovery	Includes pressure/vacuum vent relief valves, vapor return piping, stage 2 nozzles, coaxial hoses, vapor processing units, and vacuum-assist units. Used for motor vehicle fuel dispensing facilities. Does not include fuel delivery components of fuel dispensing unit.	100

Part B

Part B of the Equipment and Categories List is a list of the pollution control property categories set forth in §11.31(k) of the Texas Tax Code. These categories are described in generic terms without the use of brand names or trademarks. Property used solely for product collection or for production purposes is not eligible for a positive use determination. The pollution control percentage for this equipment is listed as a "V", for variable, and must be calculated on an application specific basis. Applicants should first view Part A of the Equipment and Categories List to see if their equipment is already on that list. Part B is a list adopted under TTC, §11.31(m).

No.	Property	%
B-1	Coal Cleaning or Refining Facilities	V
B-2	Atmospheric or Pressurized and Bubbling or Circulating Fluidized Bed Combustion Systems and Gasification Fluidized Bed Combustion Combined Cycle Systems	V
B-3	Ultra-Supercritical Pulverized Coal Boilers	V
B-4	Flue Gas Recirculation Components	V
B-5	Syngas Purification Systems and Gas-Cleanup Units	V
B-6	Enhanced Heat Recovery Systems	V
B-7	Exhaust Heat Recovery Boilers	V
B-8	Heat Recovery Steam Generators	V
B-9	Super heaters and Evaporators	V
B-10	Enhanced Steam Turbine Systems	V
B-11	Methanation	V
B-12	Coal Combustion or Gasification By-product and Co-product Handling, Storage, and Treatment Facilities	V
B-13	Biomass Cofiring Storage, Distribution, and Firing Systems	V
B-14	Coal Cleaning or Drying Processes, such as coal drying/moisture reduction, air jigging, precombustion decarbonization, and coal flow balancing technology.	V
B-15	Oxy-Fuel Combustion Technology, Amine or Chilled Ammonia Scrubbing, Catalyst based Fuel or Emission Conversion Systems, Enhanced Scrubbing Technology, Modified Combustion Technology, Cryogenic Technology	V
B-16	If the United States Environmental Protection Agency adopts a final rule or regulation regulating carbon dioxide as a pollutant, property that is used, constructed, acquired, or installed wholly or partly to capture carbon dioxide from an anthropogenic source in this state that is geologically sequestered in this state.	V
B-17	Fuel Cells generating electricity using hydrocarbon derived from coal, biomass, petroleum coke, or solid waste.	V
B-18	Any other equipment designed to prevent, capture, abate, or monitor nitrogen oxides, volatile organic compounds, particulate matter, mercury, carbon monoxide, or any criteria pollutant.	V

(b) The commission shall review and update the ECL at least once every three years.

(1) An item may be added to the list only if there is compelling evidence to support the conclusion that the item provides pollution control benefits and a justifiable pollution control percentage is calculable.

(2) An item may be removed from the list only if there is compelling evidence to support the conclusion that the item does not render pollution control benefits.

§17.15. Review Standards.

(a) The Decision Flow Chart shall be used for each item of [pollution control] property or process, submitted in a non-Tier IV use determination application to determine whether the particular

item will qualify as pollution control property. The executive director shall apply the standards in the Decision Flow Chart when acting on a non-Tier IV use determination application.

Tax Relief For Pollution Control Property
Applications Filed for Chambers County
11/1994 & 5/2006

Line 1: Year, App. Number, Company Name
Line 2: Tier Level, Status, Facility Name, Dollar Value
Line 3: Facility Type, Appraisal District
Status: A = Approved, D = Denied, W = Withdrawn, R = Under Review

97 3386 BAYER CORPORATION
I A BAYER BAYTOWN PLANT $28,516,066
CHEMICAL MANF CHAMBERS

The following projects: Spill and Contaminated Firewater Containment (8054), Upgrade Plant Water Facilities (0033), Various (0090), Trimer Flexibility Phase (0161), Coatings Area Reliability Improvements (0180), Maleic Anhydride (0203), DNT Wastewater Treatment (0387), TDI Safety Project (0413), Infrastructure for Maleic Anhydride Plant and Electric Power Distribution System Upgrade (0435), Quality Improvements - Phase 1 (0444), Makrolon Quality Improvements - Phase II (0451), TDA Capacity Increase (0594), Baytown Dryside Expansion (0537), Makrolon Capacity Increase (0594), Isocyanate Expansion MDA-III (0612), DNT/TDA Improvements (5008), MRI Capacity Increase (5011), PU Support Facilities (5190), Baytown Expansion Program Infrastructure - Phase I (6014), and Chlor-Alkali Infrastructure Phase IV (6035).

A positive use determination of 100% for the projects listed in the description above.

98 4084 BAYER CORPORATION
I A BAYER BAYTOWN PLANT $39,891,568
CHEMICAL MANF CHAMBERS

Pollution Control Property included on the following projects (see attached): P0550, P0932, P5190, P5232, P6014, P6029, P6030, P6035, P7006 and P7031.

A positive use determination of 100% for the pollution control property included in the following projects: P0550, P0932, P5190, P5232, P6014, P6029, P6030, P6035, P7006, and P7031.

99 4809 BAYER CORPORATION
I A BAYER BAYTOWN CHEMICAL MANF $13,934,150
CHAMBERS

Installed the following pollution control property: 1. Sulfuric Acid Concentrate Recovery System - used to recover and reutilize weak sulfuric acid. 2. LFA Organics Tank & TDA Waste Transfer Tank - used to separate and transfer organics from water. 3. Chlorine blower for the absorber. 4. Wastewater treatment system for brine. 5. Spent acid stripper. 6. Wastewater regeneration effluent

tank. 7. Spent H2SO4 tank. 8. H2 vent stack. 9. Chlorine absorber. 10. Waste gas ventilators 1 & 2. 11. Separator, mixer/settler - decanter for wastewater treatment. 12. Pumps, feeds, (2) sump pumps, (3) circulation and receiver pumps, wastewater column stripper, wastewater tanks, wastewater exchangers, stripper and columns, and MIBK Vacuum 1 & 2 pumps for wastewater treatment system. 13. Waste gas absorber column. 14. Phenol recovery column. 15. Acetone distillation column. 16. Emergency flare. 17. (2) flame arresters. 18. Wastewater de-nitrification system.

A positive use determination of 100% for the LFA Organics Tank & TDA Waste Transfer Tank; the Chlorine blower for the absorber; the wastewater treatment system for brine; the spent acid stripper; the wastewater regeneration effluent tank; the Spent H2SO4 tank; the H2 vent stack; the Chlorine absorber; waste gas ventilators 1 & 2; the separator, mixer/settler; the pumps, feeds, (2) sump pumps, (3) circulation and receiver pumps, wastewater column stripper, wastewater tanks, wastewater exchangers, stripper and columns, and MIBK Vacuum 1 & 2 pumps; the waste gas absorber column; the phenol recovery column; the Acetone distillation column; the emergency flare; the 2 flame arresters; and the wastewater de-nitrification system.

00 5476 BAYER CORPORATION
I A BAYER CORP - BAYTOWN PLANT $44,594,005
RUBBER CHAMBERS

Numerous pieces of pollution control property: 1. Waste water filtration system. 2. Vent gas scrubber for Makrolon Unit. 3. TDI Phosgene Decomposition Tower Project. 4. Modification/retrofit of central thermal oxidizing system. 5. Replacement of CFC based refrigeration system with ammonia based system. 6. TDI-II Unit - vent gas blower/scrubber unit. 7. DNT-II Unit waste water holding tank and pumps. 8. MR-1 Unit vent gas separator and demister. 9. Replacement of bag house filters. 10. Upgrade to cooling towers. 11. Project to re-route plant outfall seven miles. 12. Installation of pumps, pipes, conveyances, and tanks used to segregate and control storm water. 13. Project to relocate solid waste storage tanks. 14. Project to renovate Outfall 001. 15. Installation of a spectrometer. 16. Env. paving installed to control dust and particulate matter. 17. Modification of existing vapor-only combustor to a vapor-liquid combustor.

A positive use determination of 100% for the Waste water filtration system, the Vent gas scrubber the TDI Phosgene Decomposition Tower Project, the modification/retrofit of central thermal oxidizing system, the replacement of CFC based refrigeration system, the TDI-II Unit - vent gas blower/scrubber unit, the DNT-II Unit waste water holding tank and pumps, the MR-1 Unit vent gas separator and demister, the replacement bag house filters, the upgrade to the cooling towers, the project to re-route plant outfall seven miles, the installation of pumps, pipes, conveyances, and tanks used to segregate and control storm water, the project to relocate solid waste storage tanks, the project to renovate Outfall 001, the installation of a spectrometer, the env. paving installed to control dust and particulate matter, and the modification of existing vapor-only combustor to a vapor-liquid combustor.

01 6011 BAYER CORPORATION

I A BAYER BAYTOWN PLANT $3,304,200
CHEMICAL MANF CHAMBERS

1. VOC monitoring & detection system upgrades & expansion. Includes field analyzers, instrumentation, distributive control system, alarms, and annunciators. 2. Pump replacement with magnetic drive comparable unit. 3. Three leak detection monitors & a continuous gas monitor in cell room area of the Chlor-Alkali Unit. 4. Upgrade & modifications to noncontinuous emission monitoring and release suppression system in the MR-1 unit. 5. Carbon monoxide analyzers & perimeter lower explosive limit monitor. 6. Infrared offgas analyzer for the detection of VOCs in the HDI-1 Unit.

A positive use determination of 100% for the field analyzers, instrumentation, distributive control system, alarms, annunciators, pump replacement with magnetic drive comparable unit; 3 leak detection monitors & a continuous gas annunciators, pump replacement with magnetic drive comparable unit; 3 leak detection monitors & a continuous gas monitor; upgrade & modifications to noncontinuous emission monitoring and release suppression system; carbon monoxide analyzers & perimeter lower explosive limit monitor; and infrared off-gas analyzer.

02 6955 BAYER CORPORATION
I A BAYER BAYTOWN PLANT $12,520,000
CHEMICAL MANF CHAMBERS

The following items: Temperature control equipment & CMS parts for facility's central thermal oxidizer. VOC monitoring and detection system upgrade & expansion - includes vent/decomposition tower & associated piping, blowers, neutralization equipment, field analyzers, instrumentation, distributive control system, alarms & annunciators. Multiple pump replacement projects. Vent gas condenser replacement project. Improvements to solid waste, onsite repository system. Makrolon infrastructure & plant treated waste water outfall relocation projects. Process storm water conveyance ad site drainage improvements. Installation of new APACS data access & control system in the WWTP.

A positive use determination of 100% for the temperature control equipment & CMS parts for facility's central thermal oxidizer.; VOC monitoring and detection system upgrade & expansion; multiple pump replacement projects; vent gas condenser replacement project; improvements to solid waste, onsite repository system; Makrolon infrastructure & plant treated waste water outfall relocation projects; process storm water conveyance ad site drainage improvements; and installation of new APACS data access & control system in the WWTP.

99 4843 BAYER CORPORATION
III A BAYER BAYTOWN $30,985,427
CHEMICAL MANF CHAMBERS

Installed the following pollution control property: 1. Sulfuric Acid Concentrate Recovery System

- used to recover and reutilize weak sulfuric acid.

A positive use determination of 59% for the Sulfuric Acid Concentrate Recovery System.

03 7795 BAYER CORPORATION
I A BAYER BAYTOWN PLANT $4,607,800.00
CHEMICAL MANF CHAMBERS

1. Makrolon Line 4 baghouse. 2. Replace demister in 2nd stage SAC column. 3. Central thermal oxidizer stack gas analyzer. 4. VOC monitoring and detection system upgrade. 5. Replacement of relief valves & rupture discs vented to control device. 6. Replace pumps with magnetic drive units. 7. Plant sand filter replacement. 8. Upgrade power and chilled water systems in WWTP. 9. Effluent water gas chromatograph analyzer project. 10. WWTP Effluent filtration project.

A positive use determination for 100% of the 10 projects listed above.

04 8452 BAYER MATERIAL SCIENCE LLC
I A BAYER - BAYTOWN $2,647,100.00
CHEMICAL MANF CHAMBERS

The following projects: 1. Waste water treating. 2. Upgrade containment walls @ decon pad areas. 3. Waste Water filtration system expansion. 4. Pump Replacement. 5. VOC Monitoring & Detection System Expansion. 6. Central Thermal Oxidizer Stack Gas Analyzer (CEMS 68).

A positive use determination of 100% for the above listed projects.

05 9668 BAYER MATERIAL SCIENCE LLC
I A BAYER - BAYTOWN $3,219,938.00
CHEMICAL MANF CHAMBERS

Effluent filtration project. Paving. Replacement pumps. Storm drain, trench, paving, and spill containment improvements. VOC monitoring and detection system.

A positive use determination of 100% for the effluent filtration project, the new paving and the paving repairs, the replacement pumps, the stormwater control project, and the organic vaporizers and hydrocarbon emission analyzers.

00 5046 BAYTOWN ENERGY CENTER LP
II A BAYTOWN ENERGY CENTER $17,478,069
ELEC UTILITY CHAMBERS

The following property: Demisters A, B, & C. Selective Catalytic Reduction Systems A, B, & C.

Water/Steam injection for turbines A, B, & C. Secondary containment. CPI separator. Cooling Tower. Combustor bypass vales A, B, & C. Combustion turbine inlet guide vanes A, B, & C.

A positive use determination of 100% for the Demisters A, B, & C. Selective Catalytic Reduction Systems A, B, & C. Water/Steam injection for turbines A, B, & C. Secondary containment. CPI separator. Cooling Tower. Combustor bypass vales A, B, & C. Combustion turbine inlet guide vanes A, B, & C.

02 6416 BAYTOWN ENERGY CENTER LP
II A BAYTOWN ENERGY CENTER LP $873,731
ELEC UTILITY CHAMBERS

Partial Determinations are Requested on the following three items: Inlet Guide Vanes - used to control airflow through the combustors. Distributive Control System - used to control and operate the plant. Gas Scrubbers - high-pressure fuel gas scrubbers and low-pressure fuel gas scrubbers.

A positive use determination of 12.5% for the Gas Scrubber, a positive use determination of 20% for the Distributed Control System, and a positive use determination of 33% for the Inlet Guide Vanes. Control System, and a positive use determination of 33% for the Inlet Guide Vanes.

99 4850 BORDEN CHEMICAL INC
I A BORDEN BAYTOWN $463,130
CHEMICAL MANF CHAMBERS

Installed a catalytic incinerator and a cooling tower.

A positive use determination of 100% for the catalytic incinerator and the cooling tower.

02 6351 CAYUSE PIPELINE
I A CAYUSE PIPELINE MT BELVIEU PUMP ST $60,000
PUMP STATION CHAMBERS

Installed gas detectors.

A positive use determination of 100% for the Gas Detectors.

04 8201 CONOCOPHILLIPS COMPANY
I A GULF COAST FRACTIONATORS $324,600.00
CHEMICAL MANF CHAMBERS

Installed a continuous emissions monitoring system.

A positive use determination of 100% for the continuous emissions monitoring system.

97 3394 DIAMOND SHAMROCK REFINING & MARKETING CO
I A UDS MONT BELVIEU OPERATIONS $913,485
REFINERY CHAMBERS

Seven projects. RRC Rule 95 Compliance (54410) & RRC Rule 95 Compliance (54901) - purchase and install emergency shutdown valves, gas detectors, overfill detection, and automatic shut-in devices. Tandem Seals East Pump (54412) - Install two John Crane tandem seals as replacement seals. Emergency Response Trailer (74403) - trailer with response equipment and serve as a command center. West Diesel Fuel Tank Containment Area (74403) and East Concrete Containment Areas (74405) - These two projects consist of constructing five separate concrete foundations and containment areas. Relief Piping for East Pump Station (74419) - Installed a relief header extension to the north of the East Pump Station.

A positive use determination of 100% for the following projects: RRC Rule 95 Compliance (54410), Tandem Seals East Pump (54412), RRC Rule 95 Compliance (54901), Emergency Response Trailer (74403), West Diesel Fuel Tank Containment Area (74403), East Concrete Containment Areas (74405), and Relief piping for East Pump Station (74419).

05 9137 EAST SIDE HONDA
I D EAST SIDE HONDA $183,536.00
MOTORCYCLE DEALER CHAMBERS

Required to construct a detention pond for rain fall. Expanded existing lake to comply. Approximately 75% of the 40.032 acres tract is the lake.

A negative determination. This property is specifically excluded from receiving a positive use determination under section 11.31(a) of the Texas Tax Code.

94 567 EGP FUELS COMPANY
I A EGP FUELS - MT. BELVIEU STORAGE PLANT $1,166,500
GAS/OIL PROCESSING CHAMBERS

Constructed a salt water disposal well.

A positive use determination of 100% for the salt water disposal well.

98 3684 EGP FUELS COMPANY
I A EGP MONT BELVIEU STORAGE $593,518
GAS PLANT CHAMBERS

Flare piping and related equipment including knock out pot.

A positive use determination of 100% for the flare piping and related equipment including

knock-out pot.

98 4058 EL DORADO NITROGEN
I A EL DORADO NITROGEN $4,360,000
CHEMICAL MANF CHAMBERS

Installed the following pollution control property: Scrubber; selective catalytic system to remove NOx form vent gas streams, includes piping; continuous emission monitors to measure NOx and NH3; monitoring equipment on the final control device to measure NOx and ammonia for control of SCR unit; cooling towers to recirculate and reuse cooling water; neutralization equipment to adjust pH of water discharge; diversion equipment to collect first 1" of rainfall; secondary containment dike around storage tanks, start-up tank, and curbs around acid pumps; liners to acid proff dike areas; and environmental paving - paving of process areas..

A positive use determination of 100% for the scrubber, the selective catalytic system, the continuous emission monitors, the monitoring equipment on the final control device, the cooling towers, the neutralization equipment, the diversion equipment, the secondary containment, the liners, and the environmental paving.

01 6196 ENTERPRISE PRODUCTS OPERATING LP
I A ENTERPRISE PRODUCTS MONT BELVIEU $1,200,000
GAS PROCESSING CHAMBERS

Hazardous Waste Containment Project: Replaced waste caustic screwed piping with welded piping through out 100 Isom, 200 Isom, Merichem Skids, WT Fracs, WT Storage, and WT Caustic Handling; replaced underground waste caustic piping and aboveground screwed piping with above ground welded piping in the P/P Splitter I and Dixie Dehydrator areas; repair concrete and apply sealing material to the waste caustic storage containment areas in P/P Splitters I & II, and West Texas caustic handling area; and increased the height of the containment wall and coat the containment area for the process water tank at Oil Tanking, and modify the compressor area and the lube oil storage tank area to resolve containment issues.

A positive determination of 100% for the Hazardous Waste Containment Project.

04 8202 ENTERPRISE PRODUCTS OPERATING LP
I A ENTERPRISE PRODUCTS MONT BELVIEU $28,408,733.00
GAS PROCESSING/TRANS CHAMBERS

See application.

A positive use determination of 100% for the items on the attached list.

97 2896 ENTPRO LIMITED

I A ENTPRO MTBU BRINE PIT $10,143,000
LOADING FACILITY CHAMBERS

This project included the addition a of a new brine storage pond as well as the upgrading of an old brine storage pond. Both pits will have new HDPE liners, leak detection systems, and vapor detection systems with igniters. All brine lines have been installed on overhead racks to assist in leak detection.

A positive use determination of 100% for the project to add the new brine storage pond and update the existing brine storage pond.

97 2895 ENTPRO LIMITED
III A ENTPRO RAIL LOADING FACILITY $6,950,000
LOADING FACILITY CHAMBERS

Refurbishment of old loading dock: Including replacement or addition of pumps, blowers, and associated piping used to eliminate emissions. The lines were moved above ground. The project includes all necessary leak detection devices and connection to an existing flare.

A positive use determination of 64% for the pumps, blowers, leak detection devices, and associated piping installed as part of the project to refurbish the old loading rack.

98 3982 EQUISTAR CHEMICALS LP
I D EQUISTAR MONT BELVIEU $85,000
CHEMICAL MANF CHAMBERS

Replaces wiring to product injection and other pumps, relocating them from underground cable banks to above-ground cable trays to eliminate insect damage.

A negative determination. The property listed in this application does not qualify as pollution control property.

95 1152 EXXON CORPORATION
I A EXXON - WC TYRRELL TRUST 23 $119,000
GAS/OIL PROCESSING CHAMBERS

Covert well to saltwater disposal including additional block squeeze packers and run injection string.

A positive use determination of 100% for the conversion of the well into a salt water disposal well.

96 2088 EXXON CORPORATION

I A EXXON MONT BELVIEU $195,000
CHEMICAL MANF CHAMBERS

Catalyst Vent Collection System: includes several pneumatic transfer systems, associated process safety devices and a weigh scale.

A positive use determination of 100% for the Catalyst Vent Collection System.

96 2089 EXXON CORPORATION
I A EXXON - MONT BELVIEU $5,107,500
CHEMICAL MANF CHAMBERS

The IPDS/Phase 1 project: Equipment included vapor compressors, product purging vessels, ancillary vapor compressor vessels, numerous process control system.

A positive use determination of 50% for the IPDS/Phase 1 project. Equipment includes vapor compressors, product purging vessels, ancillary vapor compressor vessels, numerous process control systems, valves and piping.

97 3018 EXXON CORPORATION
I A MONT BELVIEU PLASTICS PLANT $91,735
PLASTICS MANF CHAMBERS

The following equipment: 1.) Various equipment to outfit a portion of an Incident Command Vehicle. 2.) An emergency response trailer containing emergency equipment. and 3.) A communications package to support emergency response activities.

A positive use determination of 100% for the three tools provided for Emergency Response personnel

97 3019 EXXON CORPORATION
I A MONT BELVIEU PLASTICS PLANT $322,000
PLASTICS MANF CHAMBERS

Concrete paving was added to two areas of the plant.

A positive use determination of 100% for the concrete paving added to two areas of the plant.

97 3020 EXXON CORPORATION
I A MONT BELVIEU PLASTICS PLANT $6,251
PLASTICS MANF CHAMBERS

A containment structure was placed around the foundation of a pump on the LLDPE Unit.

A positive use determination of 100% for the containment structure placed around the foundation of an existing pump on the Low Density Polyethylene Unit.

97 3021 EXXON CORPORATION
I A MONT BELVIEU PLASTICS PLANT $12,488
PLASTICS MANF CHAMBERS

A containment structure was placed around the foundation of the LLDPE flare knockout drum..

A positive use determination of 100% for the containment structure placed around the foundation of the LLDPE flare knockout drum.

97 3022 EXXON CORPORATION
I A MONT BELVIEU PLASTICS PLANT $1,376,062
PLASTICS MANF CHAMBERS

A catalytic oxidizer was installed to abate air emission from the Finishing area of HDPE.

A positive use determination of 100% for the catalytic converter.

97 3023 EXXON CORPORATION
I A MONT BELVIEU PLASTICS PLANT $25,293
PLASTICS MANF CHAMBERS

Two upgrades were installed (Flare Seal Level Alarm and Flare Header Control Valve) on the LLDPE flare.

A positive use determination of 100% for the flare seal level alarm and the flare header control valve.

97 3024 EXXON CORPORATION
I A MONT BELVIEU PLASTICS PLANT $61,500
PLASTICS MANF CHAMBERS

Ground water wells were installed to assess ground water quality.

A positive use determination of 100% for the groundwater monitoring well.
97 3025 EXXON CORPORATION
I A MONT BELVIEU PLASTICS PLANT $331,025
PLASTICS MANF CHAMBERS

Installation of a new chemical truck unloading facility.

A positive use determination of 100% for the closed loop sampling stations on each unloading line and the connection of the truck unloading vapor lines to the LLDPE flare.

98 3663 EXXON CORPORATION
I A MONT BELVIEU PLASTICS PLANT $419,611
CHEMICAL MANF CHAMBERS

Installed four upgrades on the flare header system.

A positive use determination of 100% for the four upgrades on the flare header system.

98 3664 EXXON CORPORATION
I A MONT BELVIEU PLASTICS PLANT $150,000
CHEMICAL MANF CHAMBERS

A containment device was installed in one of the site ditches to catch potential in advertent spills.

A positive use determination of 100% for the containment device.

99 4271 EXXON MOBIL CORPORATION
I A EXXON MOBIL MONT BELVIEU $106,000
CHEMICAL MANF CHAMBERS

HDPE In-Process VOC Reduction Facilities - Installed facilities to route VOCs from 2 locations to a process vessel. 1. Reconfiguration of Blower BR-44
01 A/B piping. 2. Oligomer Removal Project.

A positive use determination of 50% for the vapor recovery equipment installed in the high density polyethylene unit.

99 4272 EXXON MOBIL CORPORATION
I A EXXON MOBIL MONT BELVIEU $168,000
CHEMICAL MANF CHAMBERS

HDPE Powder VOCs Reduction Facilities: installed facilities to route a vapor stream containing VOCs to a catalytic oxidizer. Facilities consist of piping, headers, and ductwork.

A positive use determination of 100% for the facilities installed to route a vapor stream containing VOCs to a catalytic oxidizer.

99 4273 EXXON MOBIL CORPORATION
I A EXXON MOBIL MONT BELVIEU $26,000
CHEMICAL MANF CHAMBERS

Closed Loop Chemical Samplers: installed facilities to route VOCs vented from chemical samplers to a control device. Property consists of piping, headers and ductwork.

A positive use determination of 100% for the piping, headers, and duct work installed to route a vapor stream from the THF dryer sampling system to a control device.

99 4274 EXXON MOBIL CORPORATION
I A EXXON MOBIL MONT BELVIEU $766,100
CHEMICAL MANF CHAMBERS

HDPE & LLDPE Manufacturing Unit Paving Improvements: concrete paving added to process areas to control dust and provide containment.

A positive use determination of 100% for the concrete paving installed in the operating areas of the polyethylene manufacturing units.

99 4275 EXXON MOBIL CORPORATION
I A EXXON MOBIL MONT BELVIEU $800,220
CHEMICAL MANF CHAMBERS

LLDPE Recovered Fuel Project: piping, headers, and ductwork installed to capture VOCs from existing process vents and route to a boiler. A low NOX burner was installed on the boiler and additional modifications were made to the boiler.

A positive use determination of 100% for the LLDPE Recovered Fuel Project.
99 4276 EXXON MOBIL CORPORATION
I A EXXON MOBIL MONT BELVIEU $681,000
CHEMICAL MANF CHAMBERS

LLDPE Finishing Section Modifications: installed 8 baghouses and three blower systems for use in capturing particulate emissions from the Finishing Section.

A positive use determination of 100% for the 8 baghouses and 3 blower systems in the LLDPE unit.

99 4283 EXXON MOBIL CORPORATION
I A EXXON MOBIL MONT BELVIEU $35,000
CHEMICAL MANF CHAMBERS

HDPE Catalytic Oxidizer Upgrade Project: addition of catalyst and appropriate modifications to properly install the catalyst.

A positive use determination of 100% for the upgrades to the catalytic oxidizer in the HDPE unit.

00 4930 EXXON MOBIL CORPORATION
I A EXXON MOBIL CHEMICAL COMPANY $12,061
CHEMICAL MANF CHAMBERS

Facilities installed to route VOCs from a number of process pumps within the HDPE process to a process vessel.

A positive use determination of 50% for the facilities installed to route VOCs from a number of process pumps within the HDPE process to a process vessel.

00 4931 EXXON MOBIL CORPORATION
I A EXXON MOBIL CHEMICAL COMPANY $22,000
CHEMICAL MANF CHAMBERS

Installed an upgrade to the LLDPE flare header system.

A positive use determination of 100% for the upgrade to the LLDPE flare header system.

00 4932 EXXON MOBIL CORPORATION
I A EXXON MOBIL CHEMICAL COMPANY $100,000
CHEMICAL MANF CHAMBERS

Concrete paving (for spill containment) was added to operating areas of the HDPE and LLDPE units.

A positive use determination of 100% for the concrete paving (for spill containment) which was added to operating areas of the HDPE and LLDPE units.

00 4933 EXXON MOBIL CORPORATION
I A EXXON MOBIL CHEMICAL COMPANY $187,931
CHEMICAL MANF CHAMBERS

Installed facilities, consisting of piping, headers, and ductwork, to route vapors containing VOCs vented from chemical samplers to a control device in the LLDPE unit.

A positive use determination of 100% for the piping, headers, and ductwork.
01 6167 EXXON MOBIL CORPORATION
I A EXXONMOBIL CHEMICAL MONT BELVIEU $332,196
CHEMICAL MANF CHAMBERS

Project to upgrade the Low Density Polyethylene Unit's flare monitoring system, improve the gas

flow, and install an analyzer capable of identifying and quantifying the constituents in the flare gas.

A positive use determination of 100% for the upgrade the Low Density Polyethylene Unit's flare monitoring system.

01 6168 EXXON MOBIL CORPORATION
I A EXXONMOBIL CHEMICAL MONT BELVIEU $260,850
CHEMICAL MANF CHAMBERS

Project to remove two underground storage tanks and replace them with double-walled aboveground tanks. Env. Property: double-walled tanks, overfill protection, leak detection, submerged filling, gas tank provided with pressure/vacuum system, thermal insulation, concrete slab, and camera for 24 hour monitoring.

A positive determination of 100% for the overfill protection, leak detection, submerged filling equipment, pressure/vacuum system, security camera, removal of tanks, soil analysis, and the tank removal. A positive use determination of 50% for the double-walled tanks.

04 8280 EXXON MOBIL CORPORATION
I A EXXONMOBIL - MONT BELVIEU $3,134,989.00
WASTE HANDLING/DISP CHAMBERS

Flare to replace 3 existing flares.

A positive use determination for 100% of the new flare.

97 3295 FIRST CHEMICAL TEXAS LP
I A FIRST CHEMICAL TEXAS LP $5,849,500
CHEMICAL MANF CHAMBERS

Installed the following pollution control equipment: demister, liquid flame arrester, NOx scrubber, Xomox severe service valves, benzene and nitrobenzene IFR, nitration and aniline strippers, welded piping, sumps, piping for recycle to nitration, cooling towers, pH meters, TOC analyzer, secondary containment, waste storage tanks, slop tank, stripped water tank, strong effluent tank, vacuum vessel, and potable water system.

A positive use determination of 100% for the pollution control property which was installed. Property includes: demister, liquid flame arrester, NOx scrubber, Xomox severe service valves, benzene and nitrobenzene IFR, nitration and aniline strippers, welded piping, sumps, recycle piping for nitration, cooling towers, pH meter, TOC analyzer, secondary containment, waste storage tanks, slop tanks, stripped water tank, strong effluent tank, vacuum vessel, and potable water system.

00 5524 FIRST CHEMICAL TEXAS LP

I A FIRST CHEMICAL BAYTOWN PLANT $1,610,870
CHEMICAL MANF CHAMBERS

Pollution control property installed to extract aniline from waste water prior to disposal. Property includes: waste water day tanks, aniline water extraction system and laboratory equipment.

A positive use determination of 100% for the waste water day tanks, aniline water extraction system and laboratory equipment.

05 9283 GREY WOLF INC
I A GREY WOLF INC RIG: #042 $2,801,000.00
OIL & GAS WELL DRILL CHAMBERS

Drilling Mud Recycling System: that includes only the following components: 1) Shaker Tank, 2) Shale Shaker, 3) De-Silter, 4) De-Sander, and 5) De-Gasser. The Mud Pumps are not included in the request. Drilling Rig Spill Response Equipment that includes only the following components: 1) Ram Type Blowout Preventor, 2) Closing Unit, and 3) Choke Manifold System. Not included in the request is the Annular Blowout Preventor.

A positive use determination of 100% for the Drilling Mud Recycling System: that includes only the following components: 1) Shaker Tank, 2) Shale Shaker, 3) De-Silter, 4) De-Sander, and 5) De-Gasser. The Mud Pumps are not included in the request. A positive use determination of 100% for the Drilling Rig Spill Response Equipment that includes only the following components: 1) Ram Type Blowout Preventor, 2) Closing Unit, and 3) Choke Manifold System. Not included in the request is the Annular Blowout Preventor.

98 3553 HOUSTON INDUSTRIES INC
I A CEDAR BAYOU $125,948
ELECTRIC UTILITY CHAMBERS

Replacement of floor drains and piping system for polishing demineralizer.

A positive use determination of 100% for the replacement floor drains and piping system for the Polishing Demineralizer.

98 3569 HOUSTON INDUSTRIES INC.
I A CEDAR BAYOU ELECTRIC GENERATING $11,087
ELECTRIC UTILITY CHAMBERS

Asbestos Abatement: Associated costs include asbestos removal, HEPA vacuum equipment, negative air pressure enclosures, glove bags, personal protective equipment, decontamination facilities, testing, disposal, etc.

A positive use determination of 100% for the asbestos abatement project.

98 3586 HOUSTON INDUSTRIES INC.
I A CEDAR BAYOU ELECTRIC GENERATING $10,000
ELECTRIC UTILITY CHAMBERS

Purchase of steel and plastic 55-gallon drums to be used for the temporary storage of waste.

A positive use determination of 100% for the waste storage containers.

98 3587 HOUSTON INDUSTRIES INC
I A CEDAR BAYOU ELECTRIC GENERATING $2,400
ELECTRIC UTILITY CHAMBERS

Purchased booms for use for spill response.

A positive use determination of 100% for the spill response/clean-up booms.

98 3588 HOUSTON INDUSTRIES INC.
I A CEDAR BAYOU ELECTRIC GENERATING $39,808
ELECTRIC UTILITY CHAMBERS

Cleanup and remediation of a diesel/acid release.

A positive use determination of 100% for the groundwater remediation project.

94 143 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU ELECTRIC GENERATING STATION $1,018,475
ELECTRIC UTILITY CHAMBERS

Compliance with US EPA Acid Rain Program for Cedar Bayou Units 1-3 requires the installation of CEMS for NOx and CO2.

A positive use determination of 100% for the following equipment: three continuous emission monitoring systems installed at Cedar Bayou Generating Station.

94 146 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU ELECTRIC GENERATING STATION $8,650
ELECTRIC UTILITY CHAMBERS

Lube Oil Mist Eliminator: The lube oil mist eliminator extracts vapor from lube oil reservoir.

A positive use determination of 100% for the lube oil mist eliminator.

94 156 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU GENERATING STATION $41,722
ELECTRIC UTILITY CHAMBERS

Repair RCRA Pond Liner: One half of the pond was re-lined with a new fiberglass liner in 1994. The other half will be relined in 1995.

A positive use determination of 100% for the new fiberglass liner installed at the RCRA pond.

95 1047 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU ELECTRIC GENERATING STATION $5,600
ELECTRIC UTILITY CHAMBERS

HL&P owns and operates an industrial site which is registered as a generator of hazardous wastes. A fence was constructed around the bin storage area. constructed around the bin storage area.

A positive use determination of 100% for the fence constructed around the bin storage unit.

95 1048 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU ELECTRIC GENERATING STATION $36,000
ELECTRIC UTILITY CHAMBERS

Constructed a concrete containment berm around the fuel storage facility.

A positive use determination of 100% for the expansion of the hazardous waste storage area.

95 1049 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU ELECTRIC GENERATING STATION $22,000
ELECTRIC UTILITY CHAMBERS

Expansion of waste storage area to allow for adequate aisle space.

A positive use determination of 100% for the expansion of the hazardous waste storage area.

95 1050 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU ELECTRIC GENERATING STATION $95,779
ELECTRIC UTILITY CHAMBERS

The foam suppression system was replaced. The system consists of a series of nozzles, pilings, a spray header, and piping used to spray water on surface foam.

A positive use determination of 100% for the foam suppression system.

95 1051 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU ELECTRIC GENERATING STATION $5,500
ELECTRIC UTILITY CHAMBERS

Drum racks used to contain drums of waste were built at satellite locations around the site.

A positive use determination of 100% for the drum racks.

95 1052 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU ELECTRIC GENERATING STATION $15,000
ELECTRIC UTILITY CHAMBERS

A lube oil mist eliminator was installed on Cedar Bayou Unit 2. The mist eliminator consists of a filter which removes lube oil mist from the steam turbine lube oil reservoir exhaust and returns it to the reservoir.

A positive use determination of 100% for the lube oil mist eliminator.

95 1053 HOUSTON LIGHTING & POWER COMPANY
A I CEDAR BAYOU ELECTRIC GENERATING STATION $254,900
ELECTRIC UTILITY CHAMBERS

Cedar Bayou Units 1-3 are required to control NOx emissions. This NOx reduction project involves implementation of NOx control technology known as burners out of service (BOOS). Implementation includes the adjustment, or tuning, of burners into certain patterns (and testing these patterns) to reduce NOx emissions. Installation of equipment such as burner gas valves is also required.

A positive use determination of 100% for the burners out of service program put into place at the Cedar Bayou facility.

95 1054 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU ELECTRIC GENERATING STATION $1,200
ELECTRIC UTILITY CHAMBERS

A Freon recovery unit is required in the lab to recover Freon for reuse from testing equipment used to conduct oil and grease tests on wastewater.

A positive use determination of 60% for the CFR recovery unit.

95 1421 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU ELECTRIC GENERATING STATION $4,562
ELECTRIC UTILITY CHAMBERS

A new surface coating was applied to the inside of the potable water pressure tank.

A positive use determination of 100% for the new surface coating applied to the potable water pressure tank.

95 1483 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU ELECTRIC GENERATING STATION $136,030
ELECTRIC UTILITY CHAMBERS

Asbestos Abatement Project - Property includes HEPA vacuum equipment, negative air pressure enclosures, glove bags, personnel protective equipment, decontamination facilities and testing.

A positive use determination of 100% for the asbestos abatement project.

96 2225 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU ELECTRIC GENERATING $271,524
ELECTRIC UTILITY CHAMBERS

Installed CEMS for NOx and CO2 on Units 1, 2 and 3.
Property includes monitoring system and associated data acquisition and handling equipment.

A positive use determination of 100% for the Continuous Emission Monitors installed for Units 1-3.

96 2226 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU ELECTRIC GENERATING $5,500
ELECTRIC UTILITY CHAMBERS

Asbestos containing building and insulating material was removed. Property includes asbestos removal, HEPA vacuum equipment, negative air pressure enclosures, glove bags, personal protective equipment, decontamination facilities, testing, etc.

A positive use determination of 100% for the Asbestos Abatement project.

96 2227 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU ELECTRIC GENERATING $18,000
ELECTRIC UTILITY CHAMBERS

A lube oil mist eliminator was installed on Unit 3.

A positive use determination of 100% for the Lube Oil Mist Eliminator installed on Unit 3.

96 2228 HOUSTON LIGHTING & POWER COMPANY

I A CEDAR BAYOU ELECTRIC GENERATING $15,000
ELECTRIC UTILITY CHAMBERS

A collection/storage tank was added to the Oily Waste Treatment System.

A positive use determination of 100% for the collection/storage tank which was added to the Oily Waste Treatment System.

96 2229 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU ELECTRIC GENERATING $10,000
ELECTRIC UTILITY CHAMBERS

Purchase of steel and plastic 55-gallon drums for use as waste storage containers.

A positive use determination of 100% for the steel and plastic 55-gallon drums purchased for use as temporary on-site waste storage.

97 3053 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU GENERATING STATION $48,570
ELECTRIC UTILITY CHAMBERS

Costs associated with asbestos abatement: asbestos removal, HEPA vacuum equipment, negative air pressure enclosures, glove bags, personal protective equipment, decontamination facilities, testing, etc.

A positive use determination of 100% for the Asbestos Abatement Project.

97 3054 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU GENERATING STATION $14,278
ELECTRIC UTILITY CHAMBERS

A diesel/acid release resulted in a cleanup and remediation of ground water contamination.

A positive use determination of 100% for the ground water remediation project.

97 3055 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU GENERATING STATION $10,000
ELECTRIC UTILITY CHAMBERS

Steel and plastic 5 gallon drums used for the temporary storage of wastes.

A positive use determination of 100% for the steel and plastic 55 gallon drums used for the temporary storage of industrial wastes.

97 3056 HOUSTON LIGHTING & POWER COMPANY
I D CEDAR BAYOU GENERATING STATION $52,000
ELECTRIC UTILITY CHAMBERS

Conversion from gaseous chlorine to liquid bleach for disinfection treatment: bleach tank, pumps, and piping.

A negative determination. This chlorination system was placed into service to pre-treat plant make-up water. This equipment is process equipment and not pollution control devices.

97 3057 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU GENERATING STATION $50,000
ELECTRIC UTILITY CHAMBERS

Segregate contaminated from uncontaminated wastewater: Condenser water box drain pumps were diverted from API Separator to Outfall 001.

A positive use determination of 100% for the piping installed to divert the condenser water box drain pump from the API Separator to Outfall 001.

97 3058 HOUSTON LIGHTING & POWER COMPANY
I A CEDAR BAYOU GENERATING STATION $10,400
ELECTRIC UTILITY CHAMBERS

Replacement of oily waste process pump.

A positive use determination of 100% for the replacement of the oily waste process recycle pump.

94 211 HOUSTON LIGHTING & POWER COMPANY
II A CEDAR BAYOU ELECTRIC GENERATING STATION $626,464
ELECTRIC UTILITY CHAMBERS

Implementation of NOx control technology known as burners out of services (BOOS) for Cedar Bayou Units 1-3. Implementation of BOOS involves the adjustment, or tuning, of burners into certain patterns and these patterns yield a desired reduction in NOx emissions.

A positive use determination of 100% for the implementation of burners out of service for Cedar Bayou Units 1-3.

94 212 HOUSTON LIGHTING & POWER COMPANY
II A CEDAR BAYOU ELECTRIC GENERATING STATION $373,300
ELECTRIC UTILITY CHAMBERS

Asbestos Abatement: Asbestos containing building and insulating material are present throughout HL&P's system. Costs associated with asbestos abatement include those for HEPA vacuum equipment, negative air pressure enclosures, glove bags, personal protective equipment, decontamination facilities, testing, etc.

A positive use determination of 100% for the costs related to asbestos abatement including the HEPA vacuum equipment, negative air pressure enclosures, glove bags, personal protective equipment, decontamination facilities, testing, etc. The positive use determination does not include any costs related to remodeling or rebuilding of the structure or facility.

05 9656 LANXESS CORPORATION
I A LANXESS - BAYTOWN PLANT $194,061.00
RUBBER CHAMBERS

Installed equipment for the waste water treatment plants filtration system.

A positive use determination of 100% for the equipment installed for the waste water treatment plants filtration system.

94 400 LYONDELL PETROCHEMICAL COMPANY
I A LYONDELL - MONT BELVIEU TERMINAL $1,325,000
BULK STORAGE CHAMBERS

Replaced and upgraded existing site flare system.

A positive use determination of 100% for the replacement and upgrade of the existing flare system.

05 9457 NABORS DRILLING USA LP
I A NABORS DRILLING RIG #196 $1,217,000.00
OIL AND GAS DRILLING CHAMBERS

Drilling Mud Recycling System: includes the Shaker Tank, Shale Shaker, Degasser, Desander, and Desilter. Drilling Rig Response System: includes: Ram-Type Blowout Preventer, Choke Manifold Unit, and Closing Unit.

A positive use determination of 100% for the Drilling Mud Recycling System and the Drilling Rig Spill Response System as defined in the property description.

94 812 NEWPARK ENVIRONMENTAL SERVICES INC
I A NEWPARK ENVIRONMENTAL SERVICES, INC. $4,401,560
WASTE DISPOSAL CHAMBERS

The following projects: injection well improvements, secondary containment systems installed, earthen levees added.

A positive use determination of 100% for the pollution control property which was installed at this facility during 1994. Pollution control property includes: the cement containment wall around the holding pit; the injection control wells; the earthen levee around the injection wells, the sumps located around the wellhead; the pumps used to convey stormwater; the surface impoundment used to control stormwater; the oil sorbant pads and peat sorb used for spill cleanup; the drip pans placed under hose fittings, the pH meter and the liners installed.

99 4335 RELIANT ENERGY INC
I A CEDAR BAYOU GENERATING STATION $5,000
ELECTRIC UTILITY CHAMBERS

Windbox oxygen analyzers were installed.

A positive use determination of 100% for the windbox oxygen analyzers.

99 4336 RELIANT ENERGY INC
I A CEDAR BAYOU GENERATING STATION $15,000
ELECTRIC UTILITY CHAMBERS

Remediated a site where diesel/acid had been released.

A positive use determination of 100% for the project to remediate the diesel/acid release.

99 4337 RELIANT ENERGY INC
I A CEDAR BAYOU GENERATING STATION $10,000
ELECTRIC UTILITY CHAMBERS

Waste Storage Containers: steel and plastic 55 gallon drums used for temporary storage of wastes.

A positive use determination of 100% for the waste storage containers.

99 4338 RELIANT ENERGY INC
I A CEDAR BAYOU GENERATING STATION $208,451
ELECTRIC UTILITY CHAMBERS

Stabilized the existing shoreline of the cooling pond and purchased additional cooling shoreline for stabilization.

A positive use determination of 100% for the shoreline stabilization project, including the land which was purchased.

99 4339 RELIANT ENERGY INC
I A CEDAR BAYOU GENERATING STATION $29,538
ELECTRIC UTILITY CHAMBERS

Replaced two fish pumps.

A positive use determination of 100% for the two replacement fish pumps.

99 4340 RELIANT ENERGY INC
I A CEDAR BAYOU GENERATING STATION $120,896
ELECTRIC UTILITY CHAMBERS

Installed condenser waterbox drain pump to divert circulating water from 'A' floor drain system to circulating water system.

A positive use determination of 100% for the condenser wastebox drain pump.

99 4341 RELIANT ENERGY INC
I A CEDAR BAYOU GENERATING STATION $34,607
ELECTRIC UTILITY CHAMBERS

Installed CO monitors on units 1-3.

A positive use determination of 100% for the CO monitors,

00 5182 RELIANT ENERGY INC
I A CEDAR BAYOU ELECTRIC GEN STATION $6,321
ELECTRIC UTIL CHAMBERS

BOOMS, PADS, AND ABSORBENT FOR SPILL RESPONSE/CLEANUP

A positive use determination of 100% for the booms, pads, and absorbents purchased for spill response/cleanup.

00 5183 RELIANT ENERGY INC
I A CEDAR BAYOU ELECTRIC GEN STATION $19,398
ELECTRIC UTIL CHAMBERS

Asbestos Abatement: Associated costs include asbestos removal, HEPA vacuum equipment, negative air pressure enclosures, glove bags, personal protective equipment, decontamination facilities, testing, disposal, etc.

A positive use determination of 100% for the asbestos abatement project.

00 5231 RELIANT ENERGY INC
I A BAYTOWN SERVICE CENTER $500
ELECTRIC UTIL CHAMBERS

During construction/expansion activities contaminated soil was remediated under TSCA regulations.

A positive use determination of 100% for the remediation of the contaminated soil.

00 5245 RELIANT ENERGY INC
I A CEDAR BAYOU STATION $2,000
ELECTRIC UTIL CHAMBERS

Waste Storage Containers: steel and plastic 55 gallon drums used for temporary storage of wastes. Remediation: During construction/expansion activities contaminated soil was remediated.

A positive use determination of 100% for the waste storage containers.

00 5246 RELIANT ENERGY INC
I A BAYTOWN SERVICE CENTER $500
ELECTRIC UTIL CHAMBERS

Waste Storage Containers: steel and plastic 55 gallon drums used for temporary storage of wastes. Remediation: During construction/expansion activities contaminated soil was remediated.

A positive use determination of 100% for the waste storage containers.

01 5762 RELIANT ENERGY INC
I A CEDAR BAYOU ELECTRIC STATION $77,584
ELEC UTILITY CHAMBERS

Asbestos Abatement: Asbestos containing building and insulating material was abated. Property includes: asbestos removal, HEPA vacuum equipment, negative air pressure enclosures, glove bags, personal protective equipment, decontamination facilities, testing, disposal, etc.

A positive use determination of 100% for the Asbestos Abatement project.

01 5763 RELIANT ENERGY INC
I A CEDAR BAYOU ELECTRIC STATION $37,392,404
ELEC UTILITY CHAMBERS

Installed selective catalytic reduction reactors on Units 1, 2, & 3.

A positive use determination of 100% for the selective catalytic reduction reactors installed on Units 1, 2, & 3.

97 3146 TE PRODUCTS PIPELINE COMPANY LP
I A TEPPCO MOUNT BELVIEU SOUTH TERMINAL $21,864
BULK STORAGE CHAMBERS

Constructed hazardous waste storage shelter.

A positive use determination of 100% for the Hazardous Waste Storage Shelter.

97 3147 TE PRODUCTS PIPELINE COMPANY LP
I A TEPPCO MOUNT BELVIEU NORTH TERMINAL $79,922
BULK STORAGE CHAMBERS

Purchased environmental response trailer. Improvements to smokeless flare. Constructed garage for storage of emergency response equipment.

A positive use determination of 100% for the environmental spill response garage and trailer; and the improvements made to the smokeless flare.

02 7021 TE PRODUCTS PIPELINE COMPANY LP
I A TEPPCO MOUNT BELVIEU SOUTH TERMINAL $4,799,900
BULK STORAGE CHAMBERS

Constructed the Mont Belvieu Brine Pond No. 5 system, which includes a flare.

A positive use determination of 100% for the Mont Belvieu Brine Pond No. 5 system.

94 653 TE PRODUCTS PIPELINE COMPANY LP
II A MT. BELVIEU SOUTH TERMINAL $2,651,000
BULK STORAGE CHAMBERS

Construction of the brine pond system will accomplish two significant purposes, waste minimization and prevention of salt water intrusion into inland waters. Through reuse of brine, rather than fresh water which would become brine through salt dissolution, in daily operation of the cavern system, the total quality of waste generated will be significantly reduced.

A positive use determination of 100% for the Brine Storage Pond.

98 4093 TEXAS BRINE COMPANY LLC
I D TEXAS BRINE MT BELVIEU $288,089
BRINE MINING CHAMBERS

Construction of brine pits: foundation, under-liner(geotextile), liner (fiberliner), 2 pump bases for 112,000 SF pond, and ancillary equipment.

A negative determination. The item listed in this application - brine storage pit - is a product storage device and not pollution control equipment.

05 9368 TEXAS BRINE COMPANY LLC
I A TEXAS BRINE MT BELVIEU $201,120.00
MINING CHAMBERS

Project MTB 1: Brine Pond Liner (Fiber-line). Synthetic liner for brine storage pond.

A positive use determination for 100% of the brine storage pond liner.

01 6180 TEXAS EASTERN TRANSMISSION CO LP
I A TETCO MONT BELVIEU $3,221,469
COMPRESSOR STATION CHAMBERS

Installation of high pressure fuel gas injection system, one on each of three lean-burn natural gas-fired reciprocating engines to reduce NOx emissions.

A positive determination of 100% for the three high pressure fuel gas injection systems.

02 6460 TEXAS GENCO LP
I A CEDAR BAYOU $282,737
ELECTRIC UTILITY CHAMBERS

Asbestos Abatement Project

A positive use determination of 100% for the Asbestos Abatement project.

02 6461 TEXAS GENCO LP
I A CEDAR BAYOU $9,217
ELECTRIC UTILITY CHAMBERS

NOx Cap Project: Installed a PI-Enterprise Server system to be used in tracking and monitoring NOx emissions. And additional required instrumentation to monitor fuel flow and unit operating time.

A positive use determination of 100% for the PI-Enterprise Server system and the additional instrumentation.

03 7197 TEXAS GENCO LP
I A CEDAR BAYOU ELECTRIC GENERATING $403,647.00
ELECTRIC UTILITY CHAMBERS

Installed low NOx burner packages in new auxiliary boilers. Installed flue gas recirculation ductwork.

A positive use determination of 100% for the low NOx burner packages and flue gas recirculation ductwork.

03 7190 TEXAS GENCO LP
I A CEDAR BAYOU GENERATING STATION $106,551.00
ELECTRIC UTILITY CHAMBERS

Asbestos Abatement: asbestos removal, HEPA vacuum equipment, negative air pressure enclosures, glove bags, personal protective equipment, decontamination facilities, testing, disposal, etc.

A positive use determination of 100% for the Asbestos Abatement Project

04 8109 TEXAS GENCO II LP
I A CEDAR BAYOU $92,968.00
ELECTRIC UTILITY CHAMBERS

Asbestos abatement and associated equipment for removal of asbestos throughout the facility. Includes asbestos removal, HEPA vacuum equipment, negative air pressure enclosures, glove bags, personal protective equipment, decontamination facilities, testing, and disposal.

A positive use determination for 100% of the asbestos abatement and associated equipment.

05 8844 TEXAS GENCO II LP
I A CEDAR BAYOU $181,982.00
ELECTRIC UTILITY CHAMBERS

Unit 2 CEMS ammonia compliance monitoring system: project costs included materials and labor to install the new analyzer systems and perform software modifications to the CEMS equipment to calculate the new ammonia slip parameter. Installed were two certifiable extractive API Teledyne analyzer systems.

A positive use determination of 100% for the Unit 2 Continuous Emission Monitoring Systems.

05 8845 TEXAS GENCO II LP
I A CEDAR BAYOU $74,415.00
ELECTRIC UTILITY CHAMBERS

Asbestos Abatement: Asbestos containing building and insulating materials were removed. Associated costs include asbestos removal, HEPA vacuum equipment, negative air pressure enclosures, glove bags, personal protective equipment, decontamination facilities, testing, disposal, etc.

A positive use determination of 100% for the Asbestos Abatement Project.

99 4853 UNITED SALT CORPORATION
I A UNITED SALT CORP - BAYTOWN $256,931
MANUFACTURER CHAMBERS

Installed 3 wet scrubbers.

A positive use determination of 100% for the scrubbers

94 90 WARREN PETROLEUM COMPANY
I A MONT BELVIEU TERMINAL $3,000,000
GAS/OIL PROCESSING CHAMBERS

Construction of a 2,150,000 barrel brine pond will enable produced brine to be recycled, and the addition of brine injection pumps will provide surplus brine disposal in an off-dome well. Description of equipment: Brine Water Pump - 2 Fresh Water Seal Pump - 2 Leak Detection Sump Pump - 1 Brine Injection Pump - 3

A positive use determination of 100% for the land used for the brine disposal pond and the equipment installed to manage and dispose of brine.

95 1217 WARREN PETROLEUM COMPANY
I A WARREN PETROLEUM COMPANY $465,000
GAS/OIL PROCESSING CHAMBERS

Upgrade of the brine flare stack.

A positive use determination of 100% for the project to upgrade the brine flare.

Tax Relief For Pollution Control Property
Applications Filed for Brazoria (Dow Chemical) County
11/1994 & 5/2006

Line 1: Year, App. Number, Company Name
Line 2: Tier Level, Status, Facility Name, Dollar Value
Line 3: Facility Type
Status: A = Approved, D = Denied, W = Withdrawn, R = Under Review

94 229 DOW CHEMICAL COMPANY THE
I A DOW CHEMICAL COMPANY THE $30,000
CHEMICAL MANF

The equipment includes a mobile laboratory which is a trailer, cabinets, sample ports, and analytical instrumentation for stack and vent sampling.

A positive use determination of 100% for the following equipment: Data logging equipment, trailer and analytical equipment.

94 230 DOW CHEMICAL COMPANY THE
I A DOW CHEMICAL COMPANY THE $1,000,000
CHEMICAL MANF

Constructed concrete floors, walls, sumps, and trenches in tank farm areas to prevent infiltration of contaminants into soil and groundwater. Installed recovery wells, tanks, and associated equipment to recover and treat contaminated groundwater.

A positive use determination of 100% for the concrete floor, walls, sumps, and trenches in the chlorinated methane products storage tank area, as well as the recovery wells, tanks, and ancillary equipment to treat contaminated groundwater.

94 231 DOW CHEMICAL COMPANY THE
I A DOW CHEMICAL COMPANY THE $103,000
CHEMICAL MANF

The property installed included three small buildings to house instruments and composite samplers to meet provisions of the water permit. Buildings installed included plant A Sea Water, Plant B Sea Water, and one at the DSN 102 permitted outfall. Installation included electric and other services to the buildings as needed, I.E., Air conditioning, Etc.

Final Determination: A positive use determination of 100% for the Property installed to house instruments and composite samplers.

19 Infrared Gas Detectors installed on wells BW-12, BW-20, and BW-27.

A positive use determination for 100% of the 19 Infrared Gas Detectors.

03	7101	DOW CHEMICAL COMPANY THE	
I	A	SALT DOME OPERATIONS	$15,000,000.00
		MINING AND STORAGE	

HDPE liners in 2 million barrel brine pond. Includes 2 pumps and a leachate collection system.

A positive use determination of 100% for the two million barrel brine pond.

03	7079	DOW CHEMICAL COMPANY THE	
I	A	SITE SERVICES GARAGE B-203	$38,000.00
		VEHICLE MAINT.	

Automotive Dynamometer at the B-203 Services Garage.

A positive use determination for 100% of an automotive dynamometer.

03	7083	DOW CHEMICAL COMPANY THE	
I	A	STRATTON RIDGE SDO	$150,000.00
		SALT DOME OPERATIONS	

Construct a RCRA Waste Storage Facility for the Salt Dome Operations.

A positive use determination for 100% of a RCRA waste storage facility.

03	7124	DOW CHEMICAL COMPANY THE	
I	A	STYRENE 1, 2, EBA	$2,400,000.00
		AROMATIC DERIVATIVES	

Property installed: Styrene 1 - analyzer building and analyzer to monitor the flare. Styrene 2 - calorimeter to monitor flare flow. EBA - analyzer building and analyzer to monitor flare.

A positive use determination of 100% for the monitoring equipment.

03	7074	DOW CHEMICAL COMPANY THE	
I	A	STYRENE 2 @B-7101	$66,000.00
		STYRENE VENTS	

Flare Pilots, Thermocouples, & Auto-ignition System at Styrene 2.

Gas Processing/Bulk Storage

The TCEQ has previously issued positive use determinations for the pollution control property listed below.

General Information

Number of Applications Received	757
Dollar Value of Property	
Total Dollar Value	$889,572,749
Median	$90,138
Minimum	$500
Maximum	$66,552,778

Air Pollution Control

- Acid Gas Flare Header
- Acid Scrubber
- Air Modeling Computer
- Air/Fuel Ratio
- Amine Contractors
- Amine Regeneration
- Area Paving
- Automated Controls
- Automatic Tank Gauging
- Bag Dust Collector
- Baghouse Systems
- Catalytic Converter
- Catalytic Oxidizers
- Catalytic Reduction Equipment
- Cold Bed Absorption Unit
- Compression Turbine Package
- Condensate Stabilization
- Continuous Emissions Monitor
- Control Systems
- Controls
- Data Acquisition System
- Deluge System
- Detonation Arrestors
- Double hull tank barges
- Dry Low NOx Engine
- Electric Compressor
- Electrical
- Electrical
- Fixed Roofs
- Flame Arrestors
- Flame Ionization Detection Device
- Flare Blower
- Flare Pilots
- Flare Tip
- Flare: Piping
- Flow Meters
- Freon Recovery Unit
- Fuel Sampling Equipment
- Fugitive Emission Monitors
- Gas Detector
- Glycol Dehydration
- H2S analyzer
- High-Pressure Fuel Injection Technology
- Hoods & Collection Systems
- HRVOC Control Systems
- Injection Skids
- Installation
- Internal Floating Roof
- Isolation Valves
- Knife Gate Valve
- Leak Tracker System
- Lean Burn Engines
- Liquid Knock-Out Pot
- Low Emission Valves
- Nonselective Catalytic Converters
- NOX/CO Analyzer
- O2 Sensors
- Organic Vapor Analyzer
- Paint Booths
- Painting of the Tanks
- Paving
- Piping
- Plant Flare
- Portable Emission Monitor
- Relief Valves
- Rim-Mounted Secondary Seal System
- Solar Solo-NOx Emission Control Technology
- Solid Waste Incinerator
- Spray Wash Booth
- SRU Condenser

- Stage II Vapor Recovery Equipment
- Storage Tank Vent
- Structural
- Sulfur Recovery
- Tailgas Incineration
- Tandem Seals
- Tank Blanketing System
- Tank Pressurization System
- Temperature Sensors
- Thermal Oxidizer
- Utility and Control Building
- Vacuum Cleaning System
- Valves
- Vapor Balancing Lines
- Vapor Combustor: Combustor Stack
- Vapor Recovery Equipment
- Vapor Recovery Unit
- Welded Pipe Joint

Land Pollution Prevention

- Acid Gas Injection Well
- Alarm Control Panels
- Alarms
- Area Paving
- Automated Controls
- Ball Float Valves
- Berms
- Bioremediation Pit
- Boat/Boom Trailer
- Bottom Loading Truck Rack: Meters
- Brine Pond
- Cathodic Protection Ground Bed Station
- Containment Pans
- Control Valves
- Couplings
- Curbing
- Deluge System
- Dielectric Coating
- Dikes
- Double Wall Storage Tanks
- Drip Pans
- Dump Tank
- Dust Suppression
- Electrical
- Emergency Spillover Tanks
- External Steel Bottom
- Fire Truck
- Ground Water Recovery Wells
- Groundwater Interception System
- Hazardous Waste Storage Shelter
- HDPE Liner
- HDPE Liners Under-Tanks
- Impressed Current Anodes
- Injection Pumps
- Injection Wells
- Interstitial Probes
- Leak Detectors
- Level Switch
- Liners
- Liquid Level Gauges
- Loading Arms
- Mobile Pollution Control Trailer
- Observation Monitoring Wells
- Oil/Water Separator
- Overfill Sensors
- Parking Lot Sweeper
- Pig Launcher
- Piping
- Pressure Gauges
- Railroad Track Pans
- Retaining Walls
- Retention Pond
- RGF system
- Rupture Disks
- Safety Equipment
- Salt Water Disposal Well
- Secondary Containment
- Secondary Containment System
- Sight Glasses
- Soil Excavation
- Soil Vapor Extraction System
- Soil Vapor Extraction System
- Spill Abatement Equipment
- Spill Boom
- Spill Rails

- Spill Response Boat
- Spill Response Equipment
- Spill Response Storage Building
- Spill Valves
- Stainless Steel Chemical Storage Tanks
- Stick Gauges,
- Storage Tank Secondary Seals
- Structural
- Tank Pressurization Systems
- Tank Probes
- Tank Top Sumps
- Tank Venting Systems
- Under Dispenser Sumps
- Valves
- Water Well
- Witness Wells
- Zinc Tank Coatings

Recycling/Waste Handling

- Brine Pond
- RCRA Storage Building
- Roll-Off Waste Bins
- Storm Resistant Shelters
- Waste Storage Building

Storm Water Control

- Drain System
- Paving
- Storm Resistant Shelters
- Storm Water Collection
- Storm Water Drainage System
- Storm Water Drainage System

Wastewater Treatment System

- Belt Press
- Car Washer
- Carbon Steel Wastewater Storage Tank
- Chemical Drainage System
- Chemical Sewer
- CPI Separator Tank
- Drain System
- Emulsion Break Tank
- Floor Drain Recovery System
- Level Switch
- Lift Pumps
- Oil Skimmer
- Oil/Water Separator
- Slop Oil System
- Temperature Gauge
- Wastewater Collection System
- Wastewater Fans
- Wastewater Pretreatment System
- Wastewater Pump
- Wastewater Treatment Facility Equipment

Mining Equipment

The TCEQ has previously issued positive use determinations for the pollution control property listed below.

General Information

Number of Applications Received	54
Dollar Value of Property	
Total Dollar Value	$71,416,986
Median	$320,718
Minimum	$4,667
Maximum	$14,302,400

Air Pollution Control

- Air/Fuel Ratio Controllers
- Baghouse Ductwork
- Bin Vent
- Bughouse
- Covered Conveyor Systems
- Dust Collectors
- Dust Silos
- Plant Air Compressor
- Silo Bin Vents
- Spray Bars for Particulate Control

Land Pollution Prevention

- Parking Lots & Roads
- Paving
- Sweeper Trucks
- Water Trucks
- Wheel Washers

Recycling/Waste Handling

- Anti-Freeze Recycling System
- Asphalt Recycle Crusher System
- Fuel Containment Areas
- Spill Kit
- Truck Tarp Installation Stations
- Truck Wash System

Storm Water Control

- Analyzer Equipment
- Biological Treatment Tanks for Sludge
- Brine Pond Liner
- Dam/Water Storage
- Dredge for Pond Maintenance
- Filter Basins

Waste Disposal/Handling Facilities

The TCEQ has previously issued positive use determinations for the pollution control property listed below.

General Information

Number of Applications Received	47
Dollar Value of Property	
Total Dollar Value	$124,646,239
Median	$1,272,000
Minimum	$40,000
Maximum	$27,970,321

Air Pollution Control

- Ambient Air Monitoring Facilities
- Baghouse
- Dust Collector
- Emission Monitoring Equipment
- Exhaust Stacks
- Flare
- Flare Tip
- Flow Monitor
- Fugitive Emission Containment Structure
- Fugitive Emission Monitors
- Meteorological Station
- Particulate Suppression Equipment
- Post Combustion Chamber
- Pressure Transmitter
- Regenerative Absorber
- Tank Level Instrumentation
- Thermal Oxidizer
- Tight-Fill Fittings
- Vacuum Drum Filter
- Vapor Recovery System

Land Pollution Prevention

- Dielectric Coatings
- Environmental Paving

Recycling/Waste Handling

- Balers
- Barrel Crushers
- Barrier Wall
- Chippers
- Container Storage Area
- Cryogenic Converters
- Decontamination Area
- Decontamination Area
- Decontamination Equipment
- Drum Crushing Area
- Drum Storage Areas
- Drum Storage Building
- Earthen Levees
- Emergency Overflow Tanks
- Environmental Paving
- Final Cover System
- Grinders
- Groundwater Recovery System

Recycling/Waste Handling (continued)

- Hazardous Waste Incinerator
- Leachate Collection
- Leachate Treatment Unit
- Leak Detection System
- Level Alarms
- Monitoring Wells
- Monitoring Wells
- Non-Hazardous Waste Segregation System
- Radiation Detectors
- RCRA Containment Buildings
- RCRA Storage Tanks
- Recovery Wells
- Salt Water Disposal Well
- Secondary Containment
- Secured Fence
- Shredders
- Slop Oil Tank
- Slurry Wall
- Spill Response Equipment
- Vacuum Truck
- Waste Process Pit
- Water Storage Tank
- Yard Dump Bins

Storm Water Control

- Drains
- Ponds
- Storm Water Sump
- Sump Pump
- Tanks

Wastewater Treatment System

- Activated Sludge Plant
- Aeration
- Aeration Plant
- API Separator
- Basins
- Carbon Beds
- Centrifuges
- Chart Recorder
- Containment Pad
- Containment Pad
- De-foaming System
- Digester
- Dissolved Oxygen Meter
- Equalization
- Filter Press
- Gravel Filter
- Laboratory Analyzers
- Lamella Clarifier
- Lift Station
- Microbial Filter
- Neutralization
- Oil/Water Separator
- pH Meter
- Potable Water System
- Pumps
- Recycled Water Cleaning System
- Sand Filters
- Scrubber
- Skimmer
- Sludge Dewatering Facility

Wastewater Treatment System (continued)

- Sock Filters
- Sour Water System
- Submersible Pump Station
- Sumps
- Tanks
- Total Organic Carbon Instrument
- Trickling Filter
- Ultraviolet Oxidation Treatment
- Vapor Balance Systems
- Wastewater Treatment
- Water Collection Pumps
- Water Conservation Systems
- Water Transfer Pumps