

## **Appendix 2**

Rural Development  
Environmental Justice (EJ) and Civil Rights Impact Analysis (CRIA)  
Certification

1. Applicant's name and proposed project description: TerraFuels LLC proposes to construct and operate a biorefinery which will convert municipal solid waste to green gasoline.

2. Rural Development's loan/grant program/guarantee or other Agency action: RD provides a loan guarantee for the construction and operation of the biorefinery

3.  Attach a map of the proposal's area of effect identifying location or EJ populations, location of the proposal, area of impact or

Attach results of EJ analysis from the Environmental Protection Agency's (EPAs) EnviroMapper with proposed project location and impact footprint delineated.

4. Does the applicant's proposal or Agency action directly, indirectly or cumulatively affect the quality and/or level of services provided to the community?

Yes  No  N/A

5. Is the applicant's proposal or Agency action likely to result in a change in the current land use patterns (types of land use, development densities, etc)?

Yes  No  N/A

6. Does a demographic analysis indicate the applicant's proposal or Agency's action may disproportionately affect a significant minority and/or low-income populations?

Yes  No  N/A

If answer is no, skip to item 12. If answer is yes, continue with items 7 through 12.

7. Identify, describe, and provide location of EJ population \_\_\_\_\_

8. If a disproportionate adverse affect is expected to impact an EJ population, identify type/level of public outreach implemented. \_\_\_\_\_

9. Identify disproportionately high and adverse impacts on EJ populations. \_\_\_\_\_

10. Are adverse impacts appreciably more severe or greater in magnitude than the adverse impacts expected on non-minority/low-income populations?

Yes  No  N/A

11. Are alternatives and/or mitigation required to avoid impacts to EJ populations?

Yes  No  N/A

If yes, describe \_\_\_\_\_

12. I certify that I have reviewed the appropriate documentation and have determined that:

- No major EJ or civil rights impact is likely to result if the proposal is implemented.  
 A major EJ or civil rights impact is likely to result if the proposal is implemented.

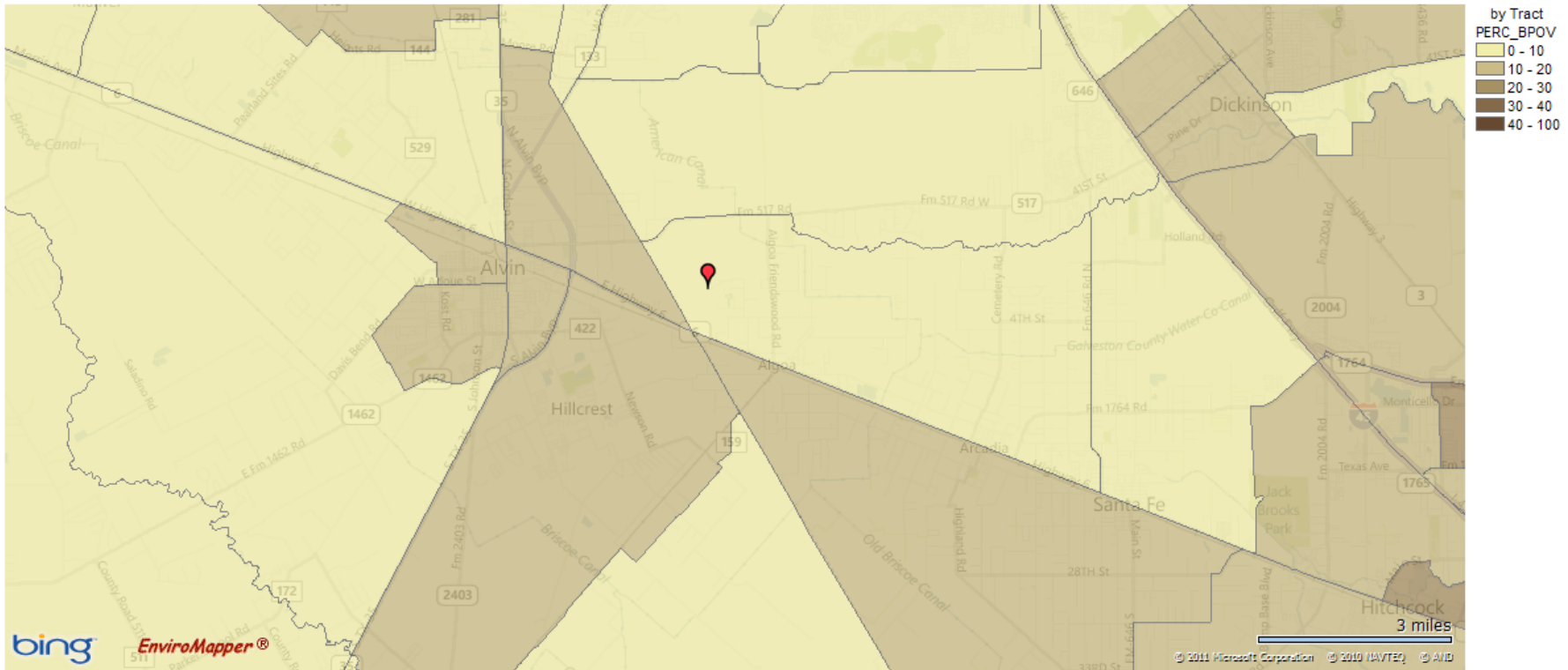
Juliet Bochicchio  
Name and Title of Certifying Official

08-30-2011

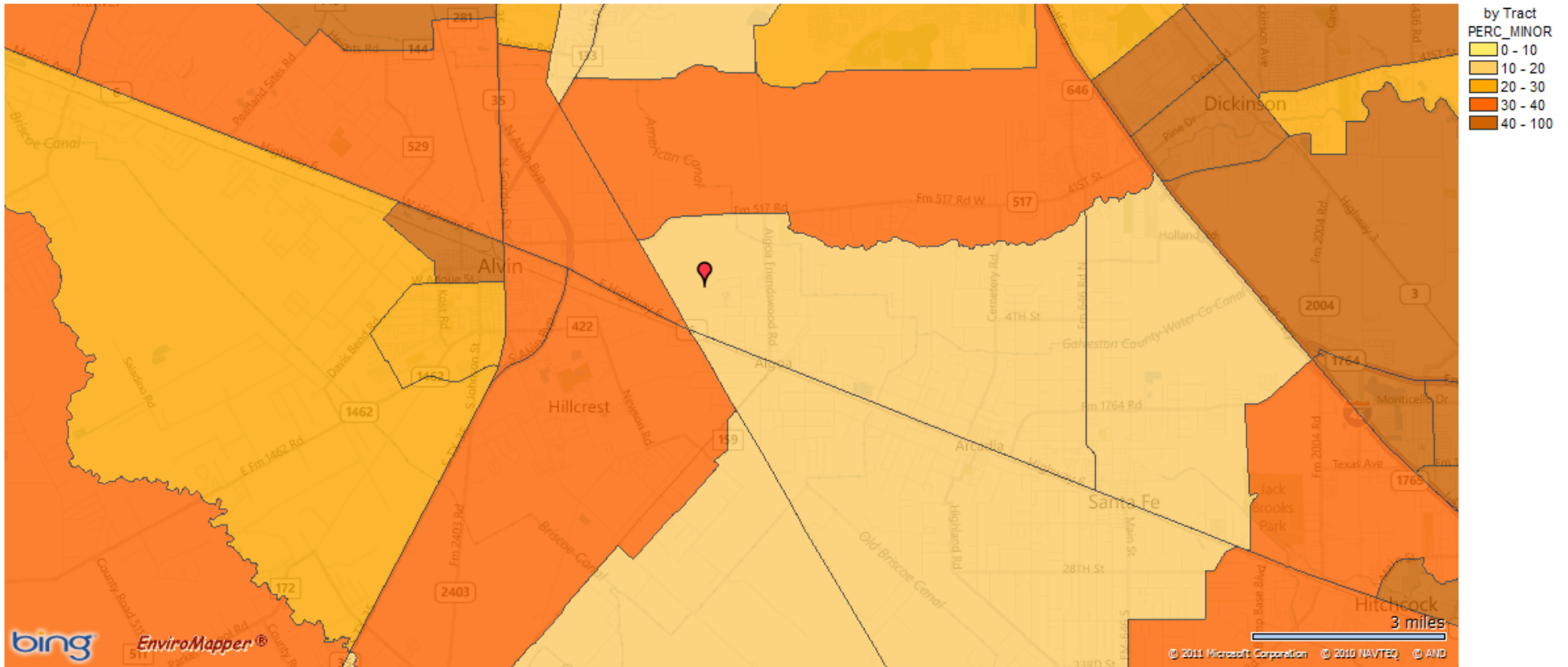
Date

*Juliet Bochicchio, Environmental Protection Specialist*  
8/30/2011

**TerraFuels Biorefinery - 9.8 Percent Below Poverty by Census Tract 48167723400**



TerraFuels Biorefinery - 12.3 Percent Minority Tract ID 48167723400





Census Tract 48167723400 Overview					
<a href="#">Total Persons:</a>	131	<a href="#">Land Area:</a>	100%	<a href="#">Households in Area:</a>	45
<a href="#">Population Density:</a>	166.06 /sq mi	<a href="#">Water Area:</a>	0%	<a href="#">Housing Units in Area:</a>	50
<a href="#">Percent Minority:</a>	23.8%	<a href="#">Persons Below Poverty Level:</a>	23 (17.6%)	<a href="#">Households on Public Assistance:</a>	1
<a href="#">Percent Urban:</a>	0%	<a href="#">Housing Units Built &lt;1970:</a>	14%	<a href="#">Housing Units Built &lt;1950:</a>	5%

Race and Age*			
(* Columns that add up to 100% are highlighted)			
Race Breakdown	Persons (%)	Age Breakdown	Persons(%)
<a href="#">White:</a>	117 (89.9%)	<a href="#">Child 5 years or less:</a>	14 (11.0%)
<a href="#">African-American:</a>	2 (1.8%)	<a href="#">Minors 17 years and younger:</a>	36 (27.9%)
<a href="#">Hispanic-Origin:</a>	28 (21.4%)	<a href="#">Adults 18 years and older:</a>	94 (72.1%)
<a href="#">Asian/Pacific Islander:</a>	0 (0.0%)	<a href="#">Seniors 65 years and older:</a>	10 (7.9%)
<a href="#">American Indian:</a>	0 (0.0%)	<i>This space intentionally left blank</i>	
<a href="#">Other Race:</a>	10 (7.6%)		
<a href="#">Multiracial:</a>	1 (0.7%)		

Gender	
Gender Breakdown	Persons (%)
<a href="#">Males:</a>	69 (53.1%)
<a href="#">Females:</a>	61 (46.9%)

Education	
Education Level (Persons 25 & older)	Persons (%)
<a href="#">Less than 9th grade:</a>	6 (7.9%)
<a href="#">9th -12th grade:</a>	20 (26.5%)
<a href="#">High School Diploma:</a>	32 (41.4%)
<a href="#">Some College/2 yr:</a>	12 (16.2%)
<a href="#">B.S./B.A. or more:</a>	6 (8.0%)

Language	
Ability to Speak English	Persons (%)
Population Age 5 and Over:	119
Speak only English:	103 (86.5%)

Non-English at Home:	16 (13.3%)
Speak English very well:	15 (12.3%)
Speak English well:	1 (0.5%)
Speak English not well:	1 (0.5%)
Speak English not at all:	0 (0.0%)
Speak English less than well:	1 (0.5%)

<b>Language Spoken</b>	
<u>Language Spoken</u>	<b>Persons (%)</b>
Speak only English:	228 (94.0%)
Spanish or Spanish Creole:	12 (4.8%)
French (incl. Patois, Cajun):	0 (0.1%)
German:	1 (0.4%)
Other Slavic Languages:	0 (0.1%)
Chinese:	0 (0.1%)
Japanese:	0 (0.2%)
Other and unspecified Languages:	0 (0.2%)
Non-English Speaking:	14 (6.0%)

<b>Place of Birth for the Foreign-Born</b>	
<b>Country</b>	<b>Persons</b>
Foreign-Born Population:	5
Europe:	1 (28.2%)
Asia:	0 (5.5%)
Americas:	3 (66.4%)
United Kingdom:	0 (7.3%)
Other Northern Europe:	0 (8.2%)
Germany:	1 (12.7%)
Thailand:	0 (5.5%)
Mexico:	3 (66.4%)

<b>Income</b>	
<b>Income Breakdown</b>	<b>Households (%)</b>
<u>Less than \$15,000:</u>	9 (19.2%)
<u>\$15,000 - \$25,000:</u>	5 (10.4%)
<u>\$25,000 - \$50,000:</u>	11 (24.8%)
<u>\$50,000 - \$75,000:</u>	9 (20.1%)

<a href="#">Greater than \$75,000:</a>	11 (24.0%)
Tenure	
Tenure Breakdown	Households (%)
<a href="#">Occupied Housing Units:</a>	45 (100.0%)
<a href="#">Owner Occupied:</a>	35 (77.9%)
<a href="#">Renter Occupied</a>	10 (22.1%)

[http://oaspub.epa.gov/envjust/env\\_just\\_ejv.get\\_geom?report\\_type=html&p\\_caller=nepa&coords=-95.191383%2C29.421058&featype=point&radius=0.5](http://oaspub.epa.gov/envjust/env_just_ejv.get_geom?report_type=html&p_caller=nepa&coords=-95.191383%2C29.421058&featype=point&radius=0.5)

[Print As-Is](#)

Last updated on Tuesday, August 30, 2011

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DEPARTMENT OF HOMELAND SECURITY  
 FEDERAL EMERGENCY MANAGEMENT AGENCY  
**STANDARD FLOOD HAZARD DETERMINATION FORM (SFHDF)**

See The Attached  
 Instructions

O.M.B No.1660-0040  
 Expires December 31, 2011

**SECTION I - LOAN INFORMATION**

1. LENDER NAME AND ADDRESS

Compass Bank  
 15 20th Street South  
 2nd Floor  
 Birmingham, AL 35233

Branch: 21663  
 Attn: Sheree Reeves

2. COLLATERAL (Building/Mobile Home/Personal Property) PROPERTY ADDRESS  
 (Legal Description may be attached)

PLEASE SEE THE ATTACHED LEGAL DESCRIPTION  
 GALVESTON COUNTY, TX 77511

Legal Description: ABST 617 PAGE 1 E 1/2 OF LOT 7  
 (7-1) I & GN RR SUR SUB SEC 26  
 Borrower: TerraFuels LLC

3. LENDER ID. NO.  
 19048-9

4. LOAN IDENTIFIER  
 not available

5. AMOUNT OF FLOOD INSURANCE REQUIRED  
 \$

**SECTION II**

**A. NATIONAL FLOOD INSURANCE PROGRAM (NFIP) COMMUNITY JURISDICTION**

1. NFIP Community Name	2. County(ies)	3. State	4. NFIP Community Number
GALVESTON COUNTY	UNINCORPORATED AREAS	TX	485470

**B. NATIONAL FLOOD INSURANCE PROGRAM (NFIP) DATA AFFECTING BUILDING/MOBILE HOME**

1. NFIP Map Number or Community Panel Number (Community name, if not the same as "A")	2. NFIP Map Panel Effective/ Revised Date	3. LOMA/LOMR	4. Flood Zone	5. No NFIP Map
485470 0140C	12/06/02	<input type="checkbox"/> Yes _____ Date	C	

**C. FEDERAL FLOOD INSURANCE AVAILABILITY (Check all that apply)**

- Federal Flood Insurance is available (community participates in NFIP).  Regular Program  Emergency Program of NFIP
- Federal Flood Insurance is not available because community is not participating in the NFIP.
- Building/Mobile Home is in a Coastal Barrier Resources Area (CBRA) or Otherwise Protected Area (OPA), Federal Flood Insurance may not be available  
 CBRA/OPA designation date: \_\_\_\_\_

**D. DETERMINATION**

**IS BUILDING/MOBILE HOME IN SPECIAL FLOOD HAZARD AREA  
 (ZONE CONTAINING THE LETTERS "A" OR "V") ?**  YES  NO

If yes, flood insurance is required by the Flood Disaster Protection Act of 1973.  
 If no, flood insurance is not required by the Flood Disaster Protection Act of 1973.

**E. COMMENTS (Optional):**

1. Determination based on legal description provided.

**THIS FLOOD DETERMINATION IS PROVIDED TO THE LENDER PURSUANT TO THE FLOOD  
 DISASTER PROTECTION ACT. IT SHOULD NOT BE USED FOR ANY OTHER PURPOSE.**

This determination is based on examining the NFIP map, any Federal Emergency Management Agency revisions to it, and any other information needed to locate the building/mobile home on the NFIP map.

**F. PREPARER'S INFORMATION**

NAME, ADDRESS, TELEPHONE NUMBER (If other than Lender)

CoreLogic Flood Services  
 11902 Burnet Road  
 Austin, TX 78758  
 1-800-447-1772



DATE OF DETERMINATION

08/08/11 at 12:11 PM CDT

FloodCert #: 1108187179

\*\*\* LIFE-OF-LOAN \*\*\*

United States Department of Agriculture



Natural Resources Conservation Service

101 S. Main Street  
Temple, TX 76501-6624  
Phone: 254-742-9861  
FAX: 254-742-9859

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August 25, 2011

Rural Development  
U.S. Department of Agriculture  
1400 Independence Avenue, SW  
Washington, D.C. 20250

Attention: Juliet Cartron Bochicchio, Environmental Protection Specialist

Subject: Land Use (LNU)--Farmland Protection  
Proposed Post-Sorted Municipal Solid Waste Biorefinery  
Galveston County, Texas

We have reviewed the information provided concerning the proposed Post-Sorted Municipal Solid Waste Biorefinery in Galveston County, Texas, in correspondence dated July 11, 2011. This is part of the National Environmental Policy Act (NEPA) evaluation for USDA Rural Development, Rural Business-Cooperative Service. We have evaluated the proposed area as required by the Farmland Protection Policy Act (FPPA).

The proposed project does contain soils classified as Important Farmland. We have completed Parts II, IV, V and VI of the Farmland Conversion Impact Rating form (AD-1006) you sent to us. The combined rating of the proposed site is 114. The FPPA states that sites with a rating less than 160 will need no further consideration for protection and thus are not subject to the FPPA. During the work on this project we would encourage you to use accepted erosion control methods.

We have attached the completed AD-1006 form. Thank you for the resource materials you submitted to help in our evaluation. If you have any questions please call Laurie Kiniry at (254) 742-9861, Fax (254)-742-9859.

Sincerely,

A handwritten signature in cursive script that reads "Laurie Kiniry".

Laurie N. Kiniry  
Soil Scientist

Attachment

**FARMLAND CONVERSION IMPACT RATING**

<b>PART I (To be completed by Federal Agency)</b>		Date Of Land Evaluation Request <b>July 11, 2011</b>			
Name of Project <b>TerraFuels</b>		Federal Agency Involved <b>RD-RBCS</b>			
Proposed Land Use <b>PSMSW Biorefinery</b>		County and State <b>Galveston County Texas</b>			
<b>PART II (To be completed by NRCS)</b>		Date Request Received By NRCS <b>July 12, 2011</b>		Person Completing Form: <b>L. Kiniry</b>	
Does the site contain Prime, Unique, Statewide or Local Important Farmland? <i>(If no, the FPPA does not apply - do not complete additional parts of this form)</i>		YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	Acres Irrigated <b>1,703</b>	Average Farm Size <b>192 acres</b>
Major Crop(s) <b>grain sorghum</b>	Farmable Land In Govt. Jurisdiction Acres: <b>58%</b> % <b>144,791 acres</b>		Amount of Farmland As Defined in FPPA Acres: <b>46%</b> % <b>115,815 acres</b>		
Name of Land Evaluation System Used <b>LESA</b>	Name of State or Local Site Assessment System <b>n/a</b>		Date Land Evaluation Returned by NRCS <b>8/25/2011</b>		
<b>PART III (To be completed by Federal Agency)</b>		<b>Alternative Site Rating</b>			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly		<b>10</b>			
B. Total Acres To Be Converted Indirectly		<b>21</b>			
C. Total Acres In Site		<b>31</b>			
<b>PART IV (To be completed by NRCS) Land Evaluation Information</b>					
A. Total Acres Prime And Unique Farmland		<b>31</b>			
B. Total Acres Statewide Important or Local Important Farmland					
C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted		<b>.02</b>			
D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value		<b>~30</b>			
<b>PART V (To be completed by NRCS) Land Evaluation Criterion</b> Relative Value of Farmland To Be Converted (Scale of 0 to 100 Points)		<b>80</b>			
<b>PART VI (To be completed by Federal Agency) Site Assessment Criteria</b> <i>(Criteria are explained in 7 CFR 658.5 b. For Corridor project use form NRCS-CPA-106)</i>		<b>Maximum Points</b>	Site A	Site B	Site C
1. Area In Non-urban Use		(15)	<b>12</b>		
2. Perimeter In Non-urban Use		(10)	<b>8</b>		
3. Percent Of Site Being Farmed		(20)	<b>0</b>		
4. Protection Provided By State and Local Government		(20)	<b>0</b>		
5. Distance From Urban Built-up Area		(15)	<b>3</b>		
6. Distance To Urban Support Services		(15)	<b>0</b>		
7. Size Of Present Farm Unit Compared To Average		(10)	<b>0</b>		
8. Creation Of Non-farmable Farmland		(10)	<b>3</b>		
9. Availability Of Farm Support Services		(5)	<b>5</b>		
10. On-Farm Investments		(20)	<b>3</b>		
11. Effects Of Conversion On Farm Support Services		(10)	<b>0</b>		
12. Compatibility With Existing Agricultural Use		(10)	<b>0</b>		
<b>TOTAL SITE ASSESSMENT POINTS</b>		<b>160</b>	<b>34</b>		
<b>PART VII (To be completed by Federal Agency)</b>					
Relative Value Of Farmland (From Part V)		<b>100</b>	<b>80</b>		
Total Site Assessment (From Part VI above or local site assessment)		<b>160</b>	<b>34</b>		
<b>TOTAL POINTS (Total of above 2 lines)</b>		<b>260</b>	<b>114</b>		
Site Selected:		Date Of Selection	Was A Local Site Assessment Used? YES <input type="checkbox"/> NO <input type="checkbox"/>		

Reason For Selection:  
*This rating is less than 160 points, therefore according to the FPPA rule, it may be concluded the area is already committed to Urban Development.*

Name of Federal agency representative completing this form: *Juliet Bochichio* Date: *August 29, 2011*  
 (See Instructions on reverse side) Form XD-1006 (03-02)

*Juliet Bochichio*  
 Environmental Protection Specialist USDA-RBS



**United States Department of Agriculture  
Rural Development**

Rural Business-Cooperative Service, Program Support Staff  
1400 Independence Avenue, SW  
Stop 0761, Room 6900  
Washington, DC 20250

July 5, 2011

Michelle Lira  
City of Alvin  
Director of Community Development,  
1100 West Highway 6  
Alvin, Texas 77511

**Subject: Intergovernmental Review  
Review of Proposed TerraFuels Green Gasoline Biorefinery**

Dear Ms. Lira

We are initiating the Executive Order 12372, "Intergovernmental Review of Federal Programs" process on behalf of the U.S. Department of Agriculture, Rural Development (RD). The Agency is being asked to consider providing financial assistance for the proposal described below and your comments are invited on this proposal regarding

- 1) Consistency with State and local government planning goals;
- 2) Extent to which the proposal duplicates, runs counter to, or needs to be coordinated with other activities, or might be revised to increase its effectiveness;
- 3) Contribution to achieving State or local government goals relating to natural and human resources, or economic and community development;
- 4) Extent of environmental impacts and alternatives that should be considered in the Agency's environmental review;
- 5) Influence on area growth or delivery of services, including any disproportionate effects on minority groups;
- 6) Impacts on energy resource supply and demand;
- 7) Possible displacement of people or businesses; and
- 8) Location in a Coastal Zone or Coastal Barrier Resource Area and consistency with any State coastal management plan.

If you choose not to respond within 60 days of this correspondence, the Agency will assume that you have chosen not to respond and may proceed with a decision on this proposal. Please feel free to contact me with any comments or questions at [juliet.bochicchio@wdc.usda.gov](mailto:juliet.bochicchio@wdc.usda.gov) or at 202.205.8242. Thank you for forwarding all correspondence to me via email or to my attention at the address above.

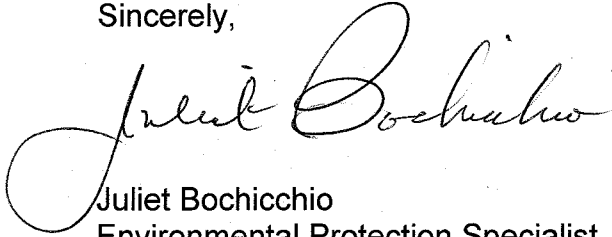
Committed to the future of rural communities.

"USDA is an equal opportunity provider, employer and lender."

To file a complaint of discrimination write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14<sup>th</sup> and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice or TDD).

Michelle Lira, City of Alvin  
July 5, 2011  
Page 2.

Sincerely,



Juliet Bochicchio  
Environmental Protection Specialist

cc: Danny Torres, USDA RBCS  
John Broussard, USDA RBCS

Attachments:

- 1) Project Description
- 2) General vicinity map
- 3) Aerial Photograph with Project Location
- 4) Environmental analysis excerpted from application

Rural Development  
U.S. Department of Agriculture  
Rural Business-Cooperative Service, Program Support Staff  
1400 Independence Ave., S.W. | Washington, D.C. 20250  
Mail Stop 0761  
Phone: 202.720.9653 | Fax: 202.690.4335  
[www.rurdev.usda.gov](http://www.rurdev.usda.gov)



**Generalized Project Description**  
**Proposed Post Sorted Municipal Solid Waste Biorefinery**  
**TerraFuels**  
**Alvin, Texas**  
**July 2011**

The USDA, Rural Business-Cooperative Service (RBCS) is considering an application for loan guarantee pursuant to Section 9003 of the Food, Conservation, and Energy Act of 2008 received from BBVA Compass Bank, for TerraFuels, LLC to construct and operate a Post Sorted Municipal Solid Waste (PSMSW) Biorefinery to be located in Alvin, Galveston County, Texas. The proposal would include the construction of the biorefinery and its related infrastructure to be located on approximately 10 acres of land located directly south and adjacent to Waste Management's Coastal Plains Recycle and Disposal Facility in Alvin, TX.

The purpose of the proposed biorefinery is to produce drop-in green gasoline that will contribute to meeting the requirements of the Renewable Fuel Standard established in the Energy Independence and Security Act of 2007. At the same time the biorefinery will be recycling, and reducing the need to place in the landfill, a significant quantity of organic wastes. The biorefinery proposes the use of approximately 240 dry tons per day of PSMSW (primary food waste, cardboard and waste/contaminated paper) for production of an estimated 5.2 million gallons of green gasoline per year. **Attachments 2 and 3** show the location of the proposed facility.

The Coastal Plains facility is a large landfill that currently services the larger Houston and Galveston metropolitan area. This landfill, that processes approximately 1,600 tons per day of municipal solid waste, was chosen due to its size and ability to gather significant quantities of organic municipal waste as well as its close proximity (less than 30 miles) to Valero's Texas City refinery, which will purchase 100 percent of the plant's output.

Historically, the subject property has been used for agriculture, oil and gas exploration and production, and residential purposes. Transportation corridors to the landfill currently exist and infrastructure, including water, sewer, electricity, natural gas, and hydrogen is available close to the proposed biorefinery location. The main method of transportation for both feedstock supply and fuel off-take will be by truck, using existing roads and highways. Highway 6 is the main road near the Facility, and it can handle large quantities of vehicles on a daily basis. The number of feedstock and product off-take trucks is not expected to cause a major safety concern or require any additional traffic control devices.

**Attachment 4** provides excerpts from the environmental analysis which was submitted for completion of the environmental assessment for this proposal. TerraFuels, LLC requests that the information included in this enclosure be given confidential treatment to the extent possible under Texas law.

This page contains proprietary information that TerraFuels and Terrabon request not to be released to persons outside the Government, except for purposes for review and evaluation under obligation of confidentiality.

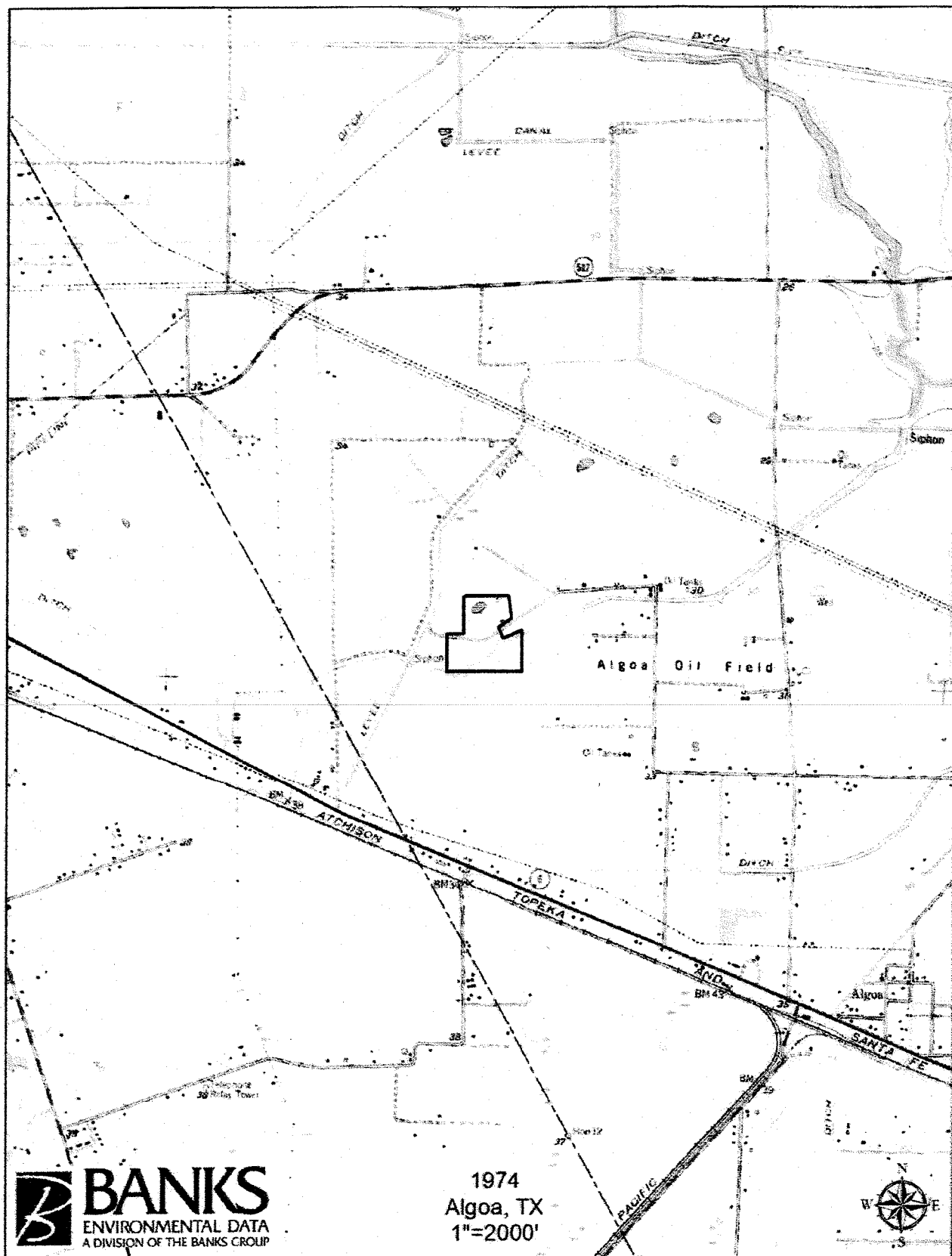



Figure 3. Topographic Site Location Map

Date: Apr 04, 2011 - 12:51 PM User: cgs File: R:\V\TerraFuels.dwg



SHEET	NO. 123/4	BY	DATE	REV. NO.
				TR810393
				DATE APR 2011
				DESIGNED
				DRAWN
			CHECKED	
			FILE NAME	
			AERIAL.dwg	

TERRAFUELS, LLC  
**ALVIN BIOREFINERY**  
  
 SITE LOCATION MAP


  
 4040 Broadway Street, Suite 600  
 San Antonio, Texas 78205-6250  
 Phone - (210) 258-3800  
 Fax - (210) 258-3801

Freese and Nichols, Inc.  
 Texas Registered Engineering Firm F-21144

**NOT FOR CONSTRUCTION**  
 THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF JOSEPH W. NEW P.E. TEXAS REG. NO. 66332 ON DATE 11/24/2016. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.



**United States Department of Agriculture  
Rural Development**  
Rural Business-Cooperative Service, Program Support Staff  
1400 Independence Avenue, SW  
Stop 0761, Room 6900  
Washington, DC 20250

July 5, 2011

Kelly Hamby, Floodplain Director  
County of Brazoria  
451 North Velsaco Avenue, Suite 210  
Angelton, TX 77515

Subject: Intergovernmental Review  
Review of Proposed TerraFuels Green Gasoline Biorefinery

Dear Ms. Hamby,

We are initiating the Executive Order 12372, "Intergovernmental Review of Federal Programs" process on behalf of the U.S. Department of Agriculture, Rural Development (RD). The Agency is being asked to consider providing financial assistance for the proposal described below and your comments are invited on this proposal regarding

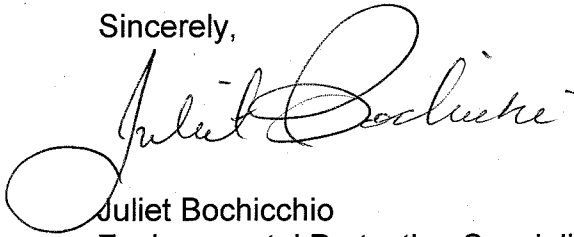
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Committed to the future of rural communities.

Kelly Hamby, County of Brazoria  
July 5, 2011  
Page 2.

Sincerely,



Juliet Bochicchio  
Environmental Protection Specialist

cc: Danny Torres, USDA RBCS  
John Broussard, USDA RBCS

Attachments:           1) Project Description  
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Rural Development  
U.S. Department of Agriculture  
Rural Business-Cooperative Service, Program Support Staff  
1400 Independence Ave., S.W. | Washington, D.C. 20250  
Mail Stop 0761  
Phone: 202.720.9653 | Fax: 202.690.4335  
[www.rurdev.usda.gov](http://www.rurdev.usda.gov)

**Generalized Project Description**  
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**July 2011**

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The purpose of the proposed biorefinery is to produce drop-in green gasoline that will contribute to meeting the requirements of the Renewable Fuel Standard established in the Energy Independence and Security Act of 2007. At the same time the biorefinery will be recycling, and reducing the need to place in the landfill, a significant quantity of organic wastes. The biorefinery proposes the use of approximately 240 dry tons per day of PSMSW (primary food waste, cardboard and waste/contaminated paper) for production of an estimated 5.2 million gallons of green gasoline per year. **Attachments 2 and 3** show the location of the proposed facility.

The Coastal Plains facility is a large landfill that currently services the larger Houston and Galveston metropolitan area. This landfill, that processes approximately 1,600 tons per day of municipal solid waste, was chosen due to its size and ability to gather significant quantities of organic municipal waste as well as its close proximity (less than 30 miles) to Valero's Texas City refinery, which will purchase 100 percent of the plant's output.

Historically, the subject property has been used for agriculture, oil and gas exploration and production, and residential purposes. Transportation corridors to the landfill currently exist and infrastructure, including water, sewer, electricity, natural gas, and hydrogen is available close to the proposed biorefinery location. The main method of transportation for both feedstock supply and fuel off-take will be by truck, using existing roads and highways. Highway 6 is the main road near the Facility, and it can handle large quantities of vehicles on a daily basis. The number of feedstock and product off-take trucks is not expected to cause a major safety concern or require any additional traffic control devices.

**Attachment 4** provides excerpts from the environmental analysis which was submitted for completion of the environmental assessment for this proposal. TerraFuels, LLC requests that the information included in this enclosure be given confidential treatment to the extent possible under Texas law.

This page contains proprietary information that TerraFuels and Terrabon request not to be released to persons outside the Government, except for purposes for review and evaluation under obligation of confidentiality.

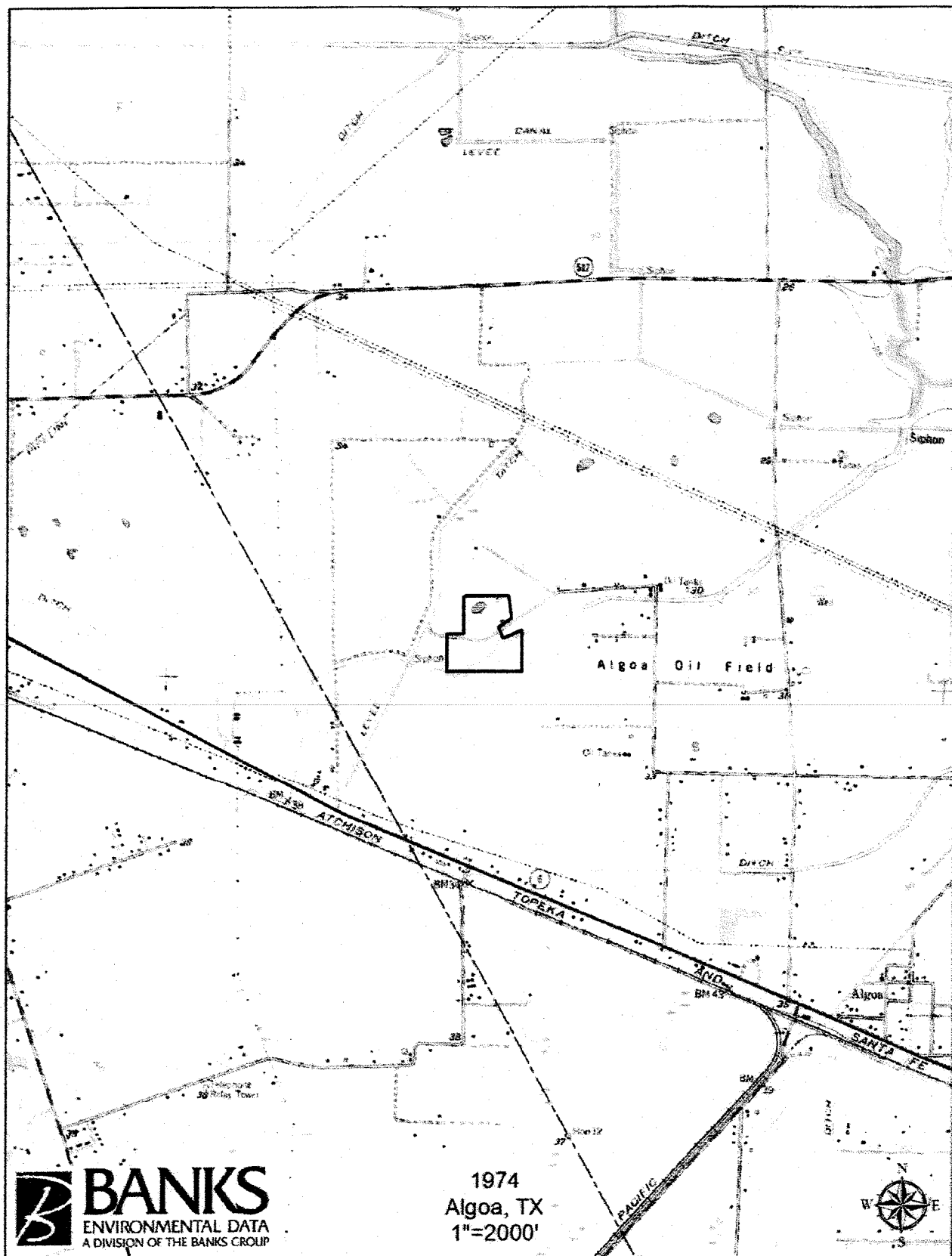


Figure 3. Topographic Site Location Map



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TERRAFUELS, LLC  
**ALVIN BIOREFINERY**  
  
**SITE LOCATION MAP**

**FREESSE NICHOLS**  
 4040 Broadway Street, Suite 600  
 San Antonio, Texas 78205-6250  
 Phone - (210) 298-3800  
 Fax - (210) 298-3801

Freesse and Nichols, Inc.  
 Texas Registered Engineering Firm F-21144

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 THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF JOSEPH W. NEW P.E. TEXAS REG. NO. 66332 ON DATE 11/24/2016. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.





**United States Department of Agriculture  
Rural Development**

Rural Business-Cooperative Service, Program Support Staff  
1400 Independence Avenue, SW  
Stop 0761, Room 6900  
Washington, DC 20250

July 5, 2011

Sean Welsh, Floodplain Manager  
County of Galveston, Building Department  
722 Moody Avenue  
Galveston, Texas 77550

Subject: Intergovernmental Review  
Review of Proposed TerraFuels Green Gasoline Biorefinery

Dear Mr. Welsh,

We are initiating the Executive Order 12372, "Intergovernmental Review of Federal Programs" process on behalf of the U.S. Department of Agriculture, Rural Development (RD). The Agency is being asked to consider providing financial assistance for the proposal described below and your comments are invited on this proposal regarding

- 1) Consistency with State and local government planning goals;
- 2) Extent to which the proposal duplicates, runs counter to, or needs to be coordinated with other activities, or might be revised to increase its effectiveness;
- 3) Contribution to achieving State or local government goals relating to natural and human resources, or economic and community development;
- 4) Extent of environmental impacts and alternatives that should be considered in the Agency's environmental review;
- 5) Influence on area growth or delivery of services, including any disproportionate effects on minority groups;
- 6) Impacts on energy resource supply and demand;
- 7) Possible displacement of people or businesses; and
- 8) Location in a Coastal Zone or Coastal Barrier Resource Area and consistency with any State coastal management plan.

If you choose not to respond within 60 days of this correspondence, the Agency will assume that you have chosen not to respond and may proceed with a decision on this proposal. Please feel free to contact me with any comments or questions at [juliet.bochicchio@wdc.usda.gov](mailto:juliet.bochicchio@wdc.usda.gov) or at 202.205.8242. Thank you for forwarding all correspondence to me via email or to my attention at the address above.

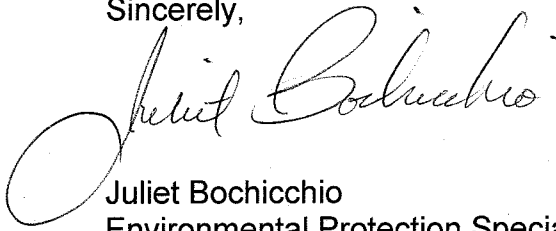
Committed to the future of rural communities.

"USDA is an equal opportunity provider, employer and lender."

To file a complaint of discrimination write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14<sup>th</sup> and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice or TDD).

Sean Welsh, County of Galveston  
July 5, 2011  
Page 2.

Sincerely,



Juliet Bochicchio  
Environmental Protection Specialist

cc: Danny Torres, USDA RBCS  
John Broussard, USDA RBCS

Attachments:      1) Project Description  
                          2) General vicinity map  
                          3) Aerial Photograph with Project Location  
                          4) Environmental analysis excerpted from application

Rural Development  
U.S. Department of Agriculture  
Rural Business-Cooperative Service, Program Support Staff  
1400 Independence Ave., S.W. | Washington, D.C. 20250  
Mail Stop 0761  
Phone: 202.720.9653 | Fax: 202.690.4335  
[www.rurdev.usda.gov](http://www.rurdev.usda.gov)

**Generalized Project Description**  
**Proposed Post Sorted Municipal Solid Waste Biorefinery**  
**TerraFuels**  
**Alvin, Texas**  
**July 2011**

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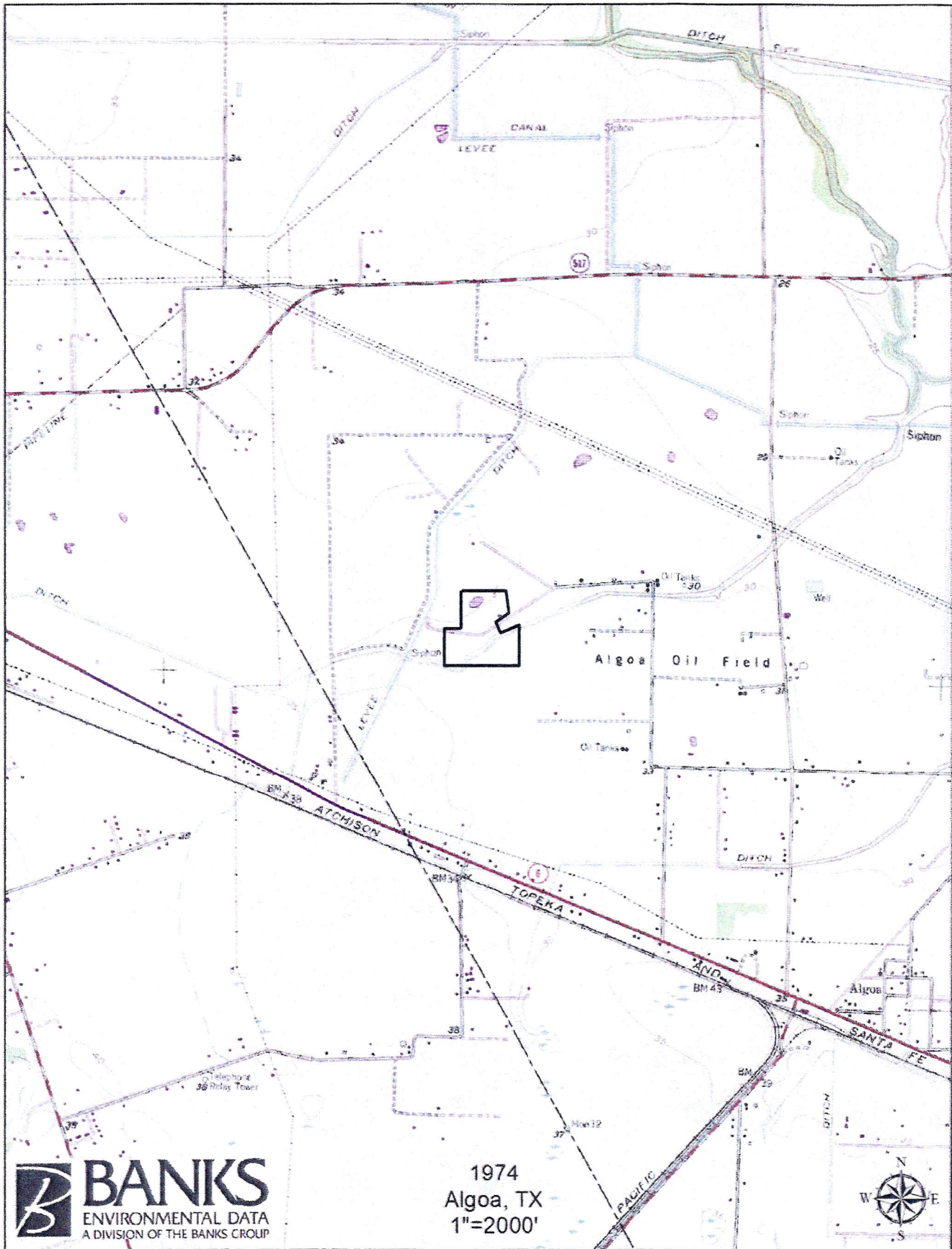
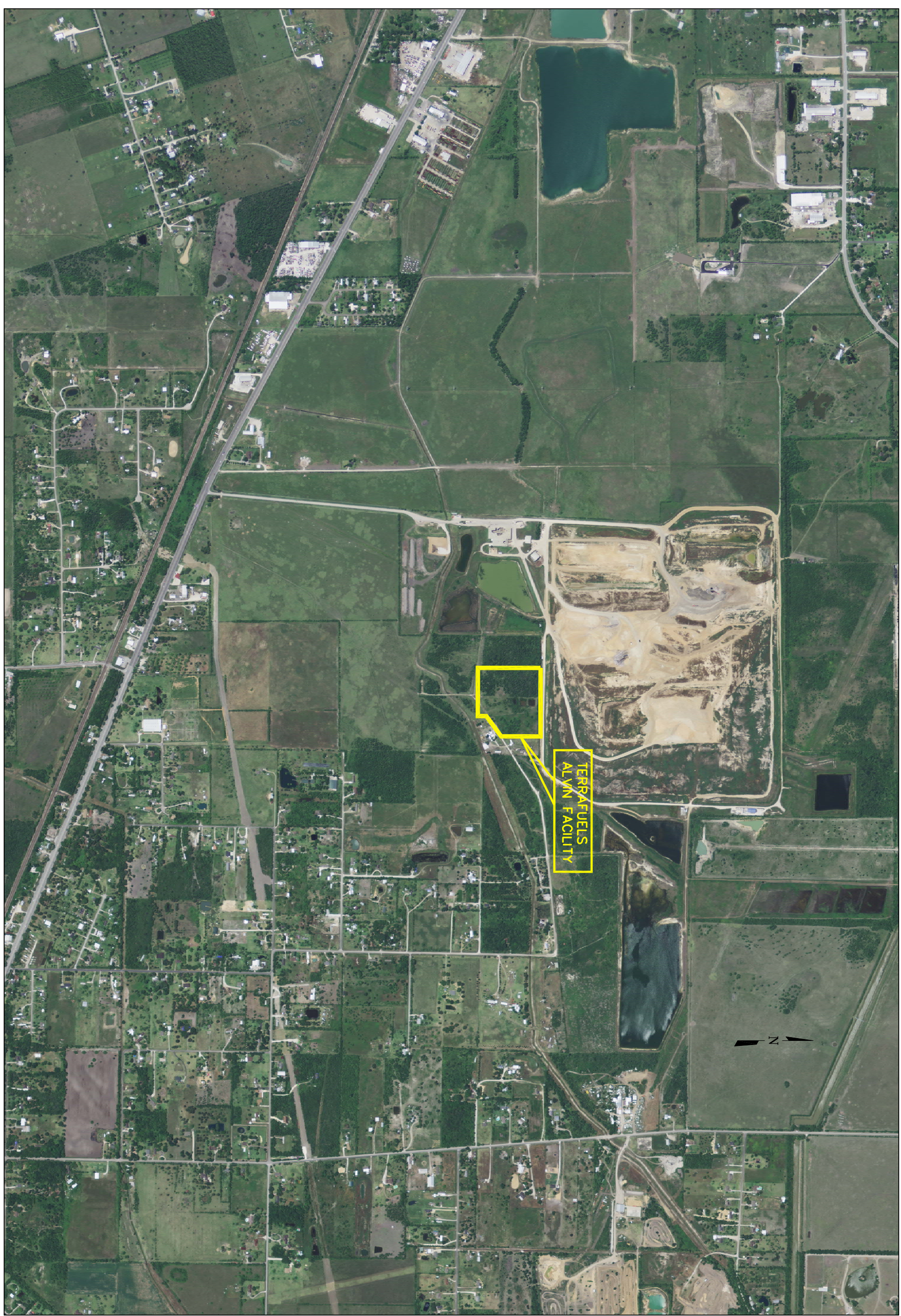


Figure 3. Topographic Site Location Map



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				TRB10393
				DATE APR 2011
				DESIGNED
				DRAWN
				REVISED
				CHECKED

VERIFY SCALE 1 Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.

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TERRAFUELS, LLC  
 ALVIN BIOREFINERY  
 SITE LOCATION MAP

4040 Broadway Street, Suite 600  
 San Antonio, Texas 78209-6350  
 Phone - (210) 298-3800  
 Fax - (210) 298-3801

Freese and Nichols, Inc.  
 Texas Registered Engineering Firm F-2144

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**From:** kellyh@brazoria-county.com  
**Sent:** Wednesday, July 06, 2011 1:45 PM  
**To:** Bochicchio, Juliet - Washington, DC  
**Subject:** RE: Terrafuels Biorefinery - County of Brazoria Intergovernmental Review

Never mind last email. This project is entirely within the jurisdiction of Galveston County, so I will have no comments. Thanks

Kelly Hamby, CFM  
Brazoria County  
Floodplain/911 Administrator  
979-864-1272

 Please consider the environment before printing this e-mail.

-----Original Message-----

**From:** Bochicchio, Juliet - Washington, DC [<mailto:Juliet.Bochicchio@wdc.usda.gov>]  
**Sent:** Tuesday, July 05, 2011 3:47 PM  
**To:** fp-kelly  
**Cc:** Torres, Daniel - Temple, TX; Broussard, John - Alexandria, LA  
**Subject:** Terrafuels Biorefinery - County of Brazoria Intergovernmental Review

Dear Kelly,

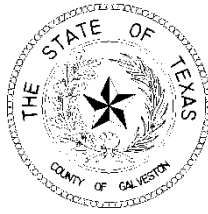
Attached please find an electronic copy of our request for the County of Brazoria to review the proposed TerraFuels Biorefinery to be located outside of Alvin Texas, in response to the Executive Order 12372, "Intergovernmental Review of Federal Programs" process on behalf of the U.S. Department of Agriculture, Rural Development, Rural Business-Cooperative Service (RBCS). The Agency is being asked to consider providing financial assistance for the proposal described in the attached document and your comments are invited on this proposal as described in the attached cover letter.

A hard copy of this letter request will arrive via regular mail. I spoke with you on the phone the last week in June regarding this proposal and letter request. As discussed, there is a 60-day response time for intergovernmental review, however, in order to expedite review of this proposal, we would appreciate hearing from the County of Brazoria within 30 days if possible.

If you have any questions please feel free to contact me. Thank you for your time.  
Juliet Bochicchio

Juliet Cartron Bochicchio | Environmental Protection Specialist  
Rural Development  
U.S. Department of Agriculture  
1400 Independence Ave., S.W. | Washington, D.C. 20250  
Mail Stop 0761  
Phone: 202.205.8242 | Fax 202.690.4335  
[www.rurdev.usda.gov](http://www.rurdev.usda.gov)

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"Estamos dedicados al futuro de las comunidades rurales"



## THE COUNTY OF GALVESTON

Office of the County Engineer

722 MOODY

GALVESTON, TX 77550

(409) 770-5399 (409) 770-5549 (281) 316-8300

FAX (409) 770-5557

**MIKE FITZGERALD, P.E.**  
COUNTY ENGINEER

### **CORRECTED LETTER**

July 12, 2011

Juliet Bochicchio  
U.S. Department of Agriculture  
Rural Development  
Rural Business- Cooperative Service, Program Support Staff  
1400 Independence Ave., S.W.  
Mail Stop 00761, room 6900  
Washington, D.C. 20250

Re: Review of Proposed TerraFuels Green Gasoline Biorefinery

Dear Ms. Bochicchio,

The proposed facility is not within the FEMA 100 year floodplain. As a result it must comply with Galveston County Floodplain regulations. All additional run-off must be mitigated with on site detention. Please contact Galveston County Drainage District No. 1 and the Galveston County Health District concerning outfall drainage and health district requirements. Please note that although this site is not in the official FEMA 100 year floodplain a 1994 regional plan for the Dickinson Bayou Watershed identified it in the 100 year floodplain and identified a floodway along the Galveston County Drainage District No. 1 outfall ditch which drains the site.

Very truly yours,

A handwritten signature in cursive script that reads "G. M. Fitzgerald".

Mike Fitzgerald, P.E.  
Floodplain Administrator/County Engineer

GMF/ear

Cc: Galveston County Drainage District No. 1  
Galveston County Health Department  
Sean Welsh, Assistant Floodplain Administrator Galveston County

Enclosure