

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

WRB Refining LLC)
(Property Identification Number) PCB 014-
19-1-08-35-00-001) (Tax Certification)
)

NOTICE

Clerk
Illinois Pollution Control Board
James R. Thompson Center
100 West Randolph Street, Suite. 11-500
Chicago, Illinois 60601

Michael Kemp
404 Phillips Building
Bartlesville, Oklahoma 74004

Steve Santarelli
Illinois Department of Revenue
101 West Jefferson
Post Office Box 19033
Springfield, Illinois 62794

PLEASE TAKE NOTICE that I have today filed with the Office of the Clerk of the Pollution Control Board an **APPEARANCE AND THE RECOMMENDATION** of the Illinois Environmental Protection Agency, a copy of which is herewith served upon you.

ILLINOIS ENVIRONMENTAL PROTECTION
AGENCY

By: 
Vera Herst
Assistant Counsel
Division of Legal Counsel

DATED: March 19, 2014

Illinois Environmental Protection Agency
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
(217) 782-5544

THIS FILING IS SUBMITTED ON RECYCLED PAPER

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

WRB Refining LLC)
(Property Identification Number) PCB 014-
19-1-08-35-00-00-001) (Tax Certification)
)

A P P E A R A N C E

The undersigned, as one of its attorneys, hereby enters an APPEARANCE on behalf of Respondent,
Illinois Environmental Protection Agency.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

By: Vera Herst
Vera Herst
Assistant Counsel
Division of Legal Counsel

DATED: March 19, 2014
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
(217)782-5544

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BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

WRB Refining LLC)
(Property Identification Number) PCB 014-
19-1-08-35-00-001) (Tax Certification)
)

RECOMMENDATION

The Illinois Environmental Protection Agency (“Illinois EPA”) hereby files its Recommendation pursuant to Section 125.204 of the regulations of the Illinois Pollution Control Board, 35 Ill. Adm. Code 125.204.

1. On November 14, 2011, the Illinois EPA received a request from WRB Refining LLC (log number TC-10-11, Exhibit A) for an Illinois EPA recommendation regarding the tax certification of water pollution control facilities pursuant to 35 Ill. Adm. Code 125.204.

2. The applicant’s address is: WRB Refining LLC
900 S. Central Ave
Roxanna, Illinois 62084

3. The proposed water pollution control facilities in this request are located at Section 35 NE/NW/SE/SW, T5N, R9W in Madison County, at the above street address and consist of the following:

Maintenance, upgrades or replacement of existing product tanks, including improvements to tank level instrumentation, installation of cathodic protection equipment, and replacement of tank floors, internal and external coatings, gaskets, isolation valves and piping.

These facilities are further described in Exhibit A. .

4. Section 11-10 of the Property Tax Code, 35 ILCS 200/11-10 (2010), defines “pollution control facilities” as:
“any system, method, construction, device or appliance appurtenant thereto or any portion of any building or equipment, that is designed, constructed, installed or operated

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for the primary purpose of: (a) eliminating, preventing, or reducing air or water pollution ...or (b) treating, pretreating, modifying or disposing of any potential solid, liquid or gaseous pollutant which if released without treatment, pretreatment modification or disposal might be harmful, detrimental or offensive to human, plant or animal life, or to property.”

5. Pollution control facilities are entitled to preferential tax treatment, 35 ILCS 200/11-5.

6. Based on the information in the application and the purpose of the facilities, it is the Illinois EPA’s engineering judgment that the described facilities are not “pollution control facilities,” pursuant to 35 Ill. Adm. Code 125.200(a), with the primary purpose of eliminating, preventing, or reducing water pollution, or as otherwise provided in 35 Ill. Adm. Code 125.200, and are eligible for tax certification from the Board. Specifically, the Illinois EPA finds that the primary purpose of the improvements to the product tanks is for product storage, not eliminating, preventing, or reducing water pollution.

WHEREFORE, the Illinois EPA recommends that the Board deny the

requested tax certification. The applicant has 35 days after the date of service to file a petition with the Board to contest the Illinois EPA's recommendation (35 Ill. Adm. Code 125.204).

ILLINOIS ENVIRONMENTAL
PROTECTION AGENCY

By: 
Vera Herst
Assistant Counsel
Division of Legal Counsel

Dated: March 19, 2014
Illinois Environmental Protection Agency
1021 North Grand Ave. E.
P.O. Box 19276
Springfield, Illinois 62794-9276
217/782-5544

THIS FILING IS SUBMITTED ON RECYCLED PAPER

STATE OF ILLINOIS

COUNTY OF SANGAMON

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)
)

PROOF OF SERVICE

I, the undersigned attorney at law, hereby certify that on March 19, 2014, I served true and correct copies of an **APPEARANCE AND THE RECOMMENDATION**, upon the persons and by the methods as follows:

[1st Class U.S. Mail]

Steve Santarelli
Illinois Department of Revenue
101 West Jefferson
Post Office Box 19033
Springfield, Illinois 62794

[1st Class U.S. Mail]

Michael Kemp
404 Phillips Building
Bartlesville, Oklahoma 74004

[Electronic Filing]

Clerk
Illinois Pollution Control Board
James R. Thompson Center
100 West Randolph Street, Suite. 11-500
Chicago, Illinois 60601

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

/s/ Vera Herst
Assistant Counsel
Division of Legal Counsel
1021 North Grand Avenue East
P.O. Box 19276-
Springfield, Illinois 62794-9276
217.782.5544
217.782.9143 (TDD)

THIS FILING IS SUBMITTED ON RECYCLED PAPER



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

PAT QUINN, GOVERNOR

JOHN J. KIM, INTERIM DIRECTOR

Memorandum

To: Connie Tonsor, Division of Legal Counsel

From: Alan Keller, Manager, Permit Section *AK*

Date: November 21, 2011

Re: WRB Refining LLC - Denial
Recommendation of Tax Certification
Log # TC-10-11
Property Identification # 19-1-08-35-00-000-001

The Bureau of Water received a request on November 14, 2011 from WRB Refining LLC for an Illinois EPA recommendation regarding the tax certification of water pollution control facilities pursuant to 35 Il. Adm. Code 125.204. We offer the following recommendation.

The water pollution control facilities in this request include the following:

WRB Refining LLC
404 Phillips Building
Bartlesville, OK 74004

Facility location: 900 S. Central Avenue in Roxana, Illinois.

Maintenance, upgrades or replacement of existing product tanks including improvements to tank level instrumentation, installation of cathodic protection equipment, and replacement of; tank floors, internal and external coatings, gaskets, isolation valves and piping.

These facilities are further described in the enclosed applications and supporting documents.

Based on the information included in this submittal, it is our engineering judgment that the above proposed facilities are not considered "Pollution Control Facilities" under 35 IAC 125.200(a), with the primary purpose of eliminating, preventing, or reducing water pollution, or as otherwise provided in this section, and therefore eligible for tax certification from the Illinois Pollution Control Board. The primary purpose of the

Page 2

Log No. TC-10-11

product tanks are for product storage not eliminating, preventing, or reducing water pollution.

The Bureau of Water therefore recommends that the Board deny the requested tax certification for these facilities.

If you have any questions regarding the above, please contact Jaime Rabins at 217/782-0610.

SAK:JAR:TC1011.docx

cc: Tax Cert File

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

Subject: WRB Refining LLC
Data: TC-10-11
Reviewed By: Jaime Rabins

Page 1 of 1

Date: November 15, 2011

Applicant: WRB Refining LLC
404 Phillips Building
Bartlesville, OK 74004

Facility location: 900 S. Central Avenue in Roxana, Illinois.

On November 14, 2011 the Agency received letter requesting that the June 29, 2011 tax cert be replaced with a new request for the following:

Maintenance, upgrades or replacement of existing product tanks including improvements to tank level instrumentation, installation of cathodic protection equipment, and replacement of tank floors, internal and external coatings, gaskets, isolation valves and piping.

The above project does not meet the definition of Pollution Control Facilities as defined in 35 IAC 125.200(a) because the primary purpose of the product tanks are for product storage not eliminating, preventing, or reducing water pollution.

Action: Recommend for denial of Pollution Control Facilities.

APPLICATION FOR CERTIFICATION (PROPERTY TAX TREATMENT)
 POLLUTION CONTROL FACILITY
 AIR WATER

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
 P. O. Box 19276, Springfield, IL 62794-9276

This Agency is authorized to request this information under Illinois Revised Statutes, 1979, Chapter, 120, Section 502a-5. Disclosure of this information is voluntary. However, failure to comply could prevent your application from being processed or could result in denial of your application for certification.

FOR AGENCY USE

File No.	Date Received	Certification No.	Date	
Sec. A APPLICANT	Company Name WRB Refining LLC			
	Person Authorized to Receive Certification Michael Kemp		Person to Contact for Additional Details Jay Rankin	
	Street Address 404 Phillips Building		Street Address 900 S. Central Ave., P.O. Box 76	
	Municipality, State & Zip Code Bartlesville, OK 74004		Municipality, State & Zip Code Roxana, IL 62084	
	Telephone Number (918) 661-9055		Telephone Number (618) 255-2737	
	Location of Facility Quarter Section Township Range 35 NE/NW/SE/SW 5 N 9 W		Municipality Township Roxana Wood River	
	Street Address 900 S. Central Ave.		County Book Number Madison	
	Property Identification Number		Parcel Number 19-1-08-35-00-000-001	
	Sec. B MANUFACTURING OPERATIONS	Nature of Operations Conducted at the Above Location Petroleum Refining		
		Water Pollution Control Construction Permit No.		Date Issued
NPDES PERMIT No. IL0000205		Date Issued 04/14/04	Expiration Date 04/14/09	
Air Pollution Control Construction Permit No.		Date Issued		
Air Pollution Control Operating Permit No. 95120306		Date Issued 11/07/03		
Sec. C MANUFACTURING PROCESS	Describe Unit Process See Storage Tank Upgrades to Prevent Spills to Ground and Water Attachment			
	Materials Used in Process See Storage Tank Upgrades to Prevent Spills to Ground and Water Attachment			
Sec. D POLLUTION CONTROL FACILITY DESCRIPTION	Describe Pollution Abatement Control Facility See Storage Tank Upgrades to Prevent Spills to Ground and Water Attachment			

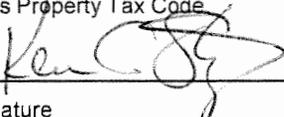
**APPLICATION FOR CERTIFICATION (PROPERTY TAX TREATMENT)
POLLUTION CONTROL FACILITY
AIR WATER**

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
P. O. Box 19276, Springfield, IL 62794-9276**

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FOR AGENCY USE

File No.	Date Received	Certification No.	Date	
Sec. A APPLICANT	Company Name WRB Refining LLC			
	Person Authorized to Receive Certification Michael Kemp		Person to Contact for Additional Details Jay Rankin	
	Street Address 586 Phillips Building		Street Address 900 S. Central Ave., P.O. Box 76	
	Municipality, State & Zip Code Bartlesville, OK 74004		Municipality, State & Zip Code Roxana, IL 62084	
	Telephone Number (918) 661-9055		Telephone Number (618) 255-2737	
	Location of Facility Quarter Section	Township	Range	Municipality Township
	Street Address 900 S. Central Ave.		County Madison	Book Number
	Property Identification Number		Parcel Number 19-1-08-35-00-000-001	
	Sec. B MANUFACTURING OPERATIONS	Nature of Operations Conducted at the Above Location Petroleum Refining		
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NPDES PERMIT No. IL0000205		Date issued 04/14/04	Expiration Date 04/14/09	
Air Pollution Control Construction Permit No.		Date issued		
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	Materials Used in Process See Storage Tank Upgrades to Prevent Spills to Ground and Water Attachment			
Sec. D POLLUTION CONTROL FACILITY DESCRIPTION	Describe Pollution Abatement Control Facility See Storage Tank Upgrades to Prevent Spills to Ground and Water Attachment			

Sec. E	(1) Nature of Contaminants or Pollutants			
			Material Retained, Captured or Recovered	
		DESCRIPTION	DISPOSAL OR USE	
	Contaminant or Pollutant			
	Crude Oil in surface/ground water	Crude Oil	Processed as Fee Stock	
	Benzene in surface/ground water	Benzene	Sold as product	
	Caustic in surface/ground water	Caustic	Processed as Feed Stock	
	Sulfuric Acid in surface/ground water	Sulfuric Acid	Processed as Feed Stock	
	Water Water in surface/ground water	Waste Water	Treated in Waste Water Plant	
	(2) Point(s) of Waste Water Discharge			
	Mississippi River pre NPDES Permit			
			Plans and Specifications Attached	
			Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
	(3)	Are contaminants (or residues) collected by the control facility?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
	(4)	Date installation completed 11/15/10 status of installation on date of application _____		
(5)	a. TOTAL INSTALLED COST	\$ 150,281,300.00		
	b. NET SALVAGE VALUE IF CONSIDERED REAL PROPERTY:	\$ 0.00		
	c. PRODUCTIVE GROSS ANNUAL INCOME OF CONTROL FACILITY:	\$ 0.00		
	d. PRODUCTIVE NET ANNUAL INCOME OF CONTROL FACILITY:	\$ 0.00		
	e. PERCENTAGE CONTROL FACILITY BEARS TO WHOLE FACILITY VALUE:	% To Be Determined		
Sec. F	The following information is submitted in accordance with the Illinois Property Tax Code, as amended, and to the best of my knowledge, is true and correct. The facilities claimed herein are "pollution control facilities" as defined in Section 11-10 of the Illinois Property Tax Code			
	SIGNATURE	 _____ Signature		
		Director - PTRCC _____ Title		
Sec. G	INSTRUCTIONS FOR COMPILING AND FILING APPLICATION			
	General: Separate applications must be completed for each control facility claimed. Do not mix types (water and air). Where both air and water operations are related, file two applications. If attachments are needed, record them consecutively on an index sheet.			
	Sec. A	Information refers to applicant as listed in the tax records and the person to be contacted for further details or for inspection of facilities. Define facility location by street address or legal description. A plat map location is required for facilities located outside of municipal boundaries. The property identification number is required.		
	Sec. B	Self-explanatory. Submit copies of all permits issued by local pollution control agencies. (e.g. MSD Construction Permit)		
	Sec. C	Refers to manufacturing processes or materials on which pollution control facility is used.		
	Sec. D	Narrative description of the pollution control facility, indicating that its primary purpose is to eliminate, prevent or reduce pollution. State the type of control facility. State permit number, date, and agency issuing permit. A narrative description and a process flow diagram describing the <u>pollution control facility</u> . Include a listing of each major piece of equipment included in the claimed fair cash value for real property. Include an <u>average</u> analysis of the influent and effluent of the control facility stating the collection efficiency.		
	Sec. E	List air contaminants, or water pollution substances released as effluents to the manufacturing processes. List also the final disposal of any contaminants removed from the manufacturing processes. Item (1) – Refers to pollutants and contaminants removed from the process by the pollution control facility. Item (2) – Refers to water pollution but can apply to water-carried wastes from air pollution control facilities. Submit drawings, which clearly show (a) Point(s) of discharge to receiving stream, and (b) Sewers and process piping to and from the control facility. Item (3) – If the collected contaminants are disposed of other than as wastes, state the disposition of the materials, and the value in dollars reclaimed by sale or reuse of the collected substances. State the cost of reclamation and related expense. Item (4) – State the date which the pollution control facility was first placed in service and operated. If not, explain. Item (5) – This information is essential to the certification and assessment actions. This accounting data must be completed to activate project review prior to certification by this Agency.		
	Sec. F	Self-explanatory. Signature must be a corporate authorized signature.		
			Submit to:	Attention:
			Illinois EPA P.O. Box 19276 Springfield, IL 62794-9276	Al Keller Permit Section Division of Water Pollution Control
			Donald E. Sutton Permit Section Division of Air Pollution Control	

APPLICATION FOR CERTIFICATION (PROPERTY TAX TREATMENT)
POLLUTION CONTROL FACILITY
WRB – Wood River Refinery

Project: Storage Tank Upgrades to Prevent Spills to Ground and Water

Section C – Manufacturing Process

Process Description:

The Wood River Refinery has over 250 storage tanks to hold crude oil, finished products, intermediate products, chemicals, and various water streams. These storage tanks are typically large cylinders constructed with steel walls, steel floors, and steel roofs. Some storage tanks are extremely large, capable of holding over 8,400,000 gallons of liquid.

Beginning in 2000, Wood River Refinery personnel began a rigorous review of the physical condition of these tanks. This review was prompted due to concerns that deteriorated tanks could result in significant leaks of hydrocarbon, waste water, or chemicals such as benzene, caustic, and sulfuric acid to the ground. The results of this review led to a capital program to correct the identified tank deficiencies and thus to significantly reduce the potential for leaks of hydrocarbon or waste water to the ground.

A process flow sketch of typical storage tank is provided.

Materials Used in Process:

Hydrocarbons
Crude Oil
Intermediate refinery streams
Waste Water containing sulfides and ammonia

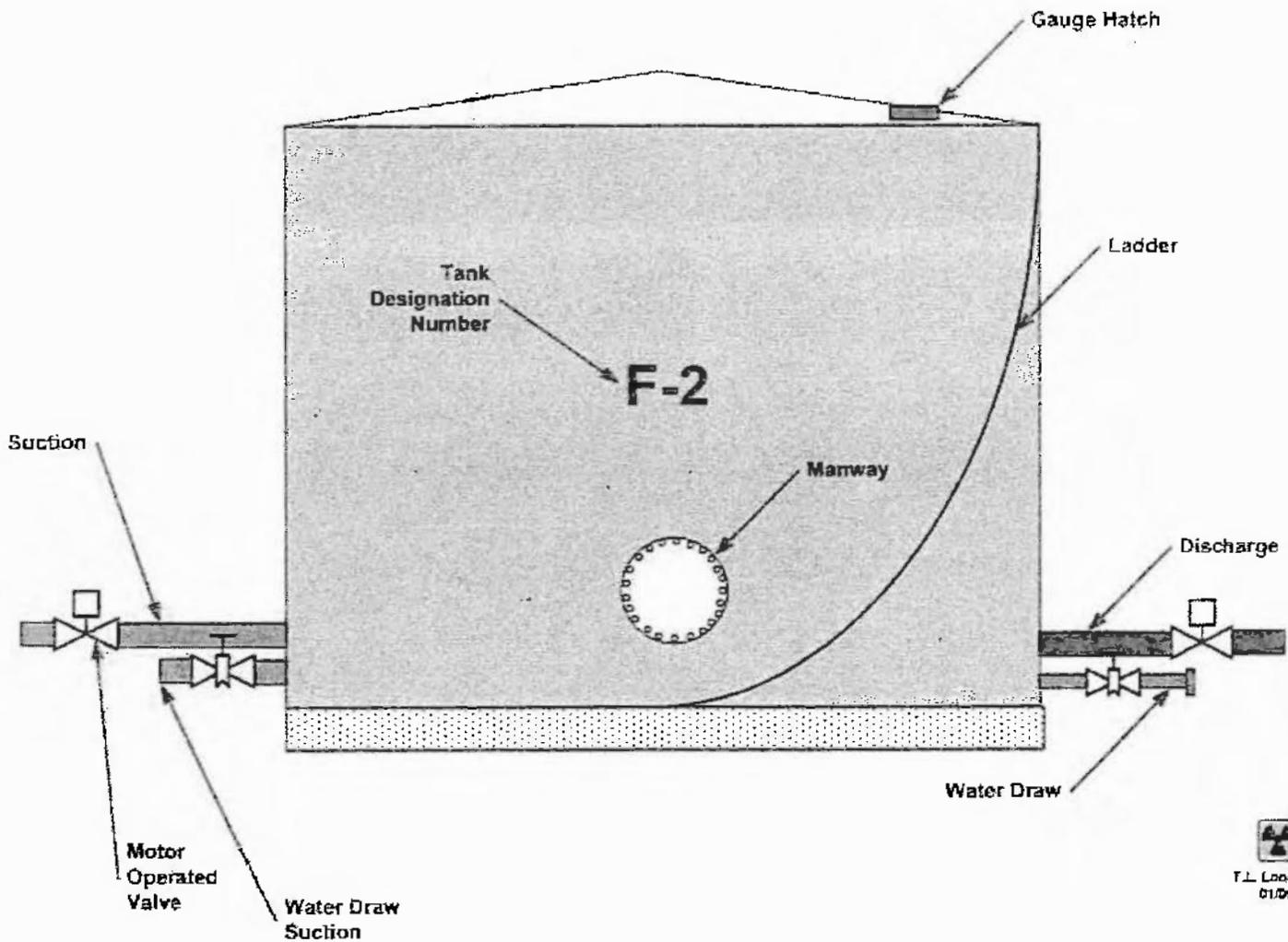
Section D – Pollution Control Facility Description

The primary purpose of The Storage Tank Upgrades to Prevent Spills to Ground and Water Project is to prevent leaks of hydrocarbon, waste water, or chemicals such as benzene, caustic, and sulfuric acid to the ground. Such leaks would reach both surface water streams and ground water, resulting in water pollution. Thus, this project installed pollution control facilities to prevent surface water and ground water pollution.

Beginning in 2000, Wood River Refinery personnel discovered that several tanks which were adequately functional for continued service required modifications to prevent water pollution. A capital program was approved to upgrade storage tanks to abate water pollution. This capital program included rebuilding some tanks to meet current standards to reduce hydrocarbon emissions. For these rebuilt tanks, only the costs of the hydrocarbon emission control items are included in Section E, Line 5 above. Tank upgrades included replacement of the existing tank floors with new long life floors, modification of tank water draw systems to reduce hydrocarbon entrainment in the water to the process sewer, improvements to tank level instrumentation to reduce the potential for tank overfills, installation of cathodic protection to reduce corrosion potential, upgrade or replacement of external and/or internal coatings to reduce corrosion potential, replacement of flange gaskets and bolts to reduce potential for flange leaks, replacement of tank isolation valves to ensure tank inventory can be contained should an external pipe leak, replacement of threaded piping and tank connections with welded connections and improvements to the tank yard drainage to eliminate standing water contacting tank which leads to accelerated tank corrosion.

In summary, the improvements completed by the Storage Tank Upgrades to Prevent Spills to Ground and Water Project primarily reduced the potential for leaks of hydrocarbon, waste water, or chemicals such as benzene, caustic, and sulfuric acid to the ground. Such leaks have the potential to reach both surface water streams and ground water, resulting in water pollution.

Atmospheric Tank
Kerosene/Jet Fuel/Fuel Oil/Asphalt




T.L. Loegden
01/08



RECEIVED
NOV 14 2011

ILLINOIS ENVIRONMENTAL
PROTECTION AGENCY
ROW/WPC/PERMIT SECTION

November 3, 2011

TO: Al Keller

FROM: Ken Kerntke

RE: Water Pollution Control Facility Application

The Wood River Refinery filed a Water Pollution Control Facility certification application, Storage Tank Upgrades to Prevent Emissions to Ground and Water, under a cover letter dated October 11, 2010. We are hereby withdrawing that application and replacing it with the attached application. Changes were made in the "Describe Pollution Abatement Control Facility" to more accurately reflect that the costs set out in the application were incurred to install pollution control abatement facilities and not to install tanks themselves. This application refers to a Refinery project (vs a CORE project).

As shown in the application, Jay Rankin (618 255-2737) is the Refinery contact for any questions or clarification that might be needed.

Should you have any concerns that can not be resolved with Jay, please call Michael Kemp (918 661-9055) with our property tax department.

Thank you for your attention to these applications.

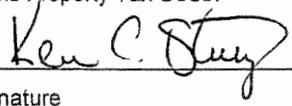
**APPLICATION FOR CERTIFICATION (PROPERTY TAX TREATMENT)
POLLUTION CONTROL FACILITY**
AIR WATER

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
P. O. Box 19276, Springfield, IL 62794-9276

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	Telephone Number (918) 661-9055		Telephone Number (618) 255-2737	
	Location of Facility Quarter Section	Township	Range	Municipality Township
	Street Address 900 S. Central Ave.		County Madison	Book Number
	Property Identification Number		Parcel Number 19-1-08-35-00-000-001	
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	Materials Used in Process See Storage Tank Upgrades to Prevent Spills to Ground and Water Attachment			
Sec. D POLLUTION CONTROL FACILITY DESCRIPTION	Describe Pollution Abatement Control Facility See Storage Tank Upgrades to Prevent Spills to Ground and Water Attachment			

POLLUTION CONTROL FACILITY - CONTAMINANTS ACCOUNTING DATA	Sec. E	(1) Nature of Contaminants or Pollutants			
			Material Retained, Captured or Recovered		
		Contaminant or Pollutant	DESCRIPTION	DISPOSAL OR USE	
		Crude Oil in surface/ground water	Crude Oil	Processed as Feed Stock	
		Benzene in surface/ground water	Benzene	Sold as product	
		Caustic in surface/ground water	Caustic	Processed as Feed Stock	
		Sulfuric Acid in surface/ground water	Sulfuric Acid	Processed as Feed Stock	
		Waste Water in surface/ground water	Waste Water	Treated in Waste Water Plant	
		(2) Point(s) of Waste Water Discharge			
		Mississippi River per NPDES Permit			
			Plans and Specifications Attached	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
		(3)	Are contaminants (or residues) collected by the control facility?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
		(4)	Date installation completed <u>11/15/10</u> status of installation on date of application <u>100%</u>		
		(5)	a. TOTAL INSTALLED COST	\$ 150,281,300.00	
			b. NET SALVAGE VALUE IF CONSIDERED REAL PROPERTY:	\$ 0.00	
		c. PRODUCTIVE GROSS ANNUAL INCOME OF CONTROL FACILITY:	\$ 0.00		
		d. PRODUCTIVE NET ANNUAL INCOME OF CONTROL FACILITY:	\$ 0.00		
		e. PERCENTAGE CONTROL FACILITY BEARS TO WHOLE FACILITY VALUE:	% To Be Determined		
SIGNATURE	Sec. F	The following information is submitted in accordance with the Illinois Property Tax Code, as amended, and to the best of my knowledge, is true and correct. The facilities claimed herein are "pollution control facilities" as defined in Section 11-10 of the Illinois Property Tax Code.			
			<u>DIRECTOR - PTRRC</u>		
		Signature	Title		
INSTRUCTIONS	Sec. G	INSTRUCTIONS FOR COMPILING AND FILING APPLICATION			
		General: Separate applications must be completed for each control facility claimed. Do not mix types (water and air). Where both air and water operations are related, file two applications. If attachments are needed, record them consecutively on an index sheet.			
		Sec. A	Information refers to applicant as listed in the tax records and the person to be contacted for further details or for inspection of facilities. Define facility location by street address or legal description. A plat map location is required for facilities located outside of municipal boundaries. The property identification number is required.		
		Sec. B	Self-explanatory. Submit copies of all permits issued by local pollution control agencies. (e.g. MSD Construction Permit)		
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		Sec. E	List air contaminants, or water pollution substances released as effluents to the manufacturing processes. List also the final disposal of any contaminants removed from the manufacturing processes. Item (1) - Refers to pollutants and contaminants removed from the process by the pollution control facility. Item (2) - Refers to water pollution but can apply to water-carried wastes from air pollution control facilities. Submit drawings, which clearly show (a) Point(s) of discharge to receiving stream, and (b) Sewers and process piping to and from the control facility. Item (3) - If the collected contaminants are disposed of other than as wastes, state the disposition of the materials, and the value in dollars reclaimed by sale or reuse of the collected substances. State the cost of reclamation and related expense. Item (4) - State the date which the pollution control facility was first placed in service and operated. If not, explain. Item (5) - This information is essential to the certification and assessment actions. This accounting data must be completed to activate project review prior to certification by this Agency.		
		Sec. F	Self-explanatory. Signature must be a corporate authorized signature.		
			Submit to:	Attention:	Attention:
			Illinois EPA P.O. Box 19276 Springfield, IL 62794-9276	Al Keller Permit Section Division of Water Pollution Control	Donald E. Sutton Permit Section Division of Air Pollution Control

APPLICATION FOR CERTIFICATION (PROPERTY TAX TREATMENT)
POLLUTION CONTROL FACILITY
WRB – Wood River Refinery

Project: Storage Tank Upgrades to Prevent Spills to Ground and Water

Section C – Manufacturing Process

Process Description:

The Wood River Refinery has over 250 storage tanks to hold crude oil, finished products, intermediate products, chemicals, and various water streams. These storage tanks are typically large cylinders constructed with steel walls, steel floors, and steel roofs. Some storage tanks are extremely large, capable of holding over 8,400,000 gallons of liquid.

Beginning in 2000, Wood River Refinery personnel began a rigorous review of the physical condition of these tanks. This review was prompted due to concerns that deteriorated tanks could result in significant leaks of hydrocarbon, waste water, or chemicals such as benzene, caustic, and sulfuric acid to the ground. The results of this review led to a capital program to correct the identified tank deficiencies and thus to significantly reduce the potential for leaks of hydrocarbon or waste water to the ground.

A process flow sketch of typical storage tank is provided.

Materials Used in Process:

Hydrocarbons
Crude Oil
Intermediate refinery streams
Waste Water containing sulfides and ammonia

Section D – Pollution Control Facility Description

The primary purpose of The Storage Tank Upgrades to Prevent Spills to Ground and Water Project is to prevent leaks of hydrocarbon, waste water, or chemicals such as benzene, caustic, and sulfuric acid to the ground. Such leaks would reach both surface water streams and ground water, resulting in water pollution. Thus, this project installed pollution control facilities to prevent surface water and ground water pollution.

Beginning in 2000, Wood River Refinery personnel discovered that several tanks which were adequately functional for continued service required modifications to prevent water pollution. A capital program to abate water pollution due to storage tanks was initiated. This capital program included replacement of some tanks with new tanks built to current standards. Other tanks were temporarily removed from service, inspected, and upgraded to reduce the potential for leaks. Tank upgrades include replacement of the existing tank floor with a new long life floor, modification of tank water draw system to reduce hydrocarbon entrainment in the water to the process sewer, improvements to tank level instrumentation to reduce the potential for tank overfills, installation of cathodic protection to reduce corrosion potential, upgrade or replacement of external and/or internal coatings to reduce corrosion potential, replacement of flange gaskets and bolts to reduce potential for flange leaks, replacement of tank isolation valves to ensure tank inventory can be contained should an external pipe leak, replacement of threaded piping and tank connections with welded connections, and improvements to the tank yard drainage to eliminate standing water contacting tank which leads to accelerated tank corrosion.

In summary, the improvements completed by the Storage Tank Upgrades to Prevent Spills to Ground and Water Project primarily reduce the potential for leaks of hydrocarbon, waste water, or chemicals such as benzene, caustic, and sulfuric acid to the ground. Such leaks have the potential to reach both surface water streams and ground water, resulting in water pollution.

Atmospheric Tank
Kerosene/Jet Fuel/Fuel Oil/Asphalt

