BEFORE THE ILLINOIS POLLUTION CONTROL BOARD OF THE STATE OF ILLINOIS

MARATHON ASHLAND PETROLEUM, LLC)	
Wastewater Treatment Plant and Benzene)	
NESHAP Air Controls)	
)	
)	PCB 06-
)	(Tax Certification)
PROPERTY IDENTIFICATION NUMBER)	
51-34-1-21 or portion thereof)	

NOTICE

TO: Dorothy Gunn, Clerk
 Illinois Pollution Control Board
 State of Illinois Center
 100 W. Randolph Street, Suite 11-500
 Chicago, Illinois 60601

John S. Swearingen Marathon Ashland Petroleum Refinery Office Building Robinson, Illinois 62454

Steve Santarelli Illinois Department of Revenue 101 West Jefferson P.O. Box 19033 Springfield, Illinois 62794

PLEASE TAKE NOTICE that I have today electronically filed with the Office of the Pollution Control Board the <u>APPEARANCE and RECOMMENDATION</u> of the Illinois Environmental Protection Agency, a copy of which is herewith served upon the applicant and a representative of the Illinois Department of Revenue.

Respectfully submitted by,

/s/____

Robb H. Layman Assistant Counsel

Date: December 22, 2005

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY 1021 North Grand Avenue East P.O. Box 19276 Springfield, IL 62794-9276 Telephone: (217) 524-9137

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD OF THE STATE OF ILLINOIS

MARATHON ASHLAND PETROLEUM, LLC) Wastewater Treatment Plant and Benzene) NESHAP Air Controls) PCB 06-(Tax Certification) PROPERTY IDENTIFICATION NUMBER) 51-34-1-21 or portion thereof)

APPEARANCE

I hereby file my Appearance in this proceeding on behalf of the Illinois

Environmental Protection Agency.

Respectfully submitted by,

_/s/__

Robb H. Layman Assistant Counsel

Date: December 22, 2005

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276 Telephone: (217) 524-9137

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)	(Tax Certification)
PROPERTY IDENTIFICATION NUMBER)	
51-34-1-21 or portion thereof)	

RECOMMENDATION

NOW COMES the ILLINOIS ENVIRONMENTAL PROTECTION AGENCY ("Illinois EPA"), through its attorneys, and pursuant to 35 Ill. Adm. Code 125.204 of the ILLINOIS POLUTION CONTROL BOARD'S ("Board") procedural regulations, files the Illinois EPA's Recommendation in the above-referenced request for tax certification of pollution control facilities. In support thereof, the Illinois EPA states as follows:

1. On December 30, 2004, the Illinois EPA received a request and supporting information from MARATHON ASHLAND PETROLEUM, LLC, ("Marathon") concerning the proposed tax certification of certain air emission sources and/or equipment located at its Robinson refinery in Crawford County, Illinois. The application request identified the nature of the subject operations as the Wastewater Treatment Plant and Benzene NESHAPs Air Controls. A copy of the relevant portions of the application is attached hereto. [Exhibit A].

 On April 7, 2005, the Illinois EPA received a separate request and supporting application that identified the nature of the subject operations as the "WWTP." A copy of the relevant portions of the application is attached hereto. [Exhibit

B]. The cover letter contended that the original application had been submitted earlier with other applications and that the attached information was a resubmission. The letter suggested that the company believed that the original application had been lost or overlooked, as the other applications to which it was purportedly attached had previously been granted certification by the Board in January 2005.

3. A review of both applications reveals that the applicant is essentially seeking relief for one overall project. Both applications generally describe the same Wastewater Treatment Plan operations and the plant upgrades are described similarly. While the accounting data is different, it is assumed that the later submission reflected more up-to-date cost information. In light of this information, as well as the explanation offered in the later application's cover letter, the Illinois EPA treated the applications as one.

4. The applicant's address is as follows:

.....

Marathon Ashland Petroleum, LLC Refinery Office Building Robinson, Illinois 62454

5. The pollution control facilities involved in this request are located at the aforementioned address and consist of modifications to the existing oily sewer system. The project, previously described as the Wastewater Treatment Plant and Benzene NESHAP Air Controls, affects various controls on approximately 1,140 oily sewer components (i.e., catch basins, manholes, hub drains) throughout the refinery. The purpose of the modifications is to reduce volatile organic material and/or benzene emissions that might otherwise escape the wastewater treatment system through vapor loss. The Wastewater Treatment Plant is not itself a pollution control device for

purposes of reducing air emissions, however, a component of the overall process involves a reduction in emissions of air contaminants. The equipment identified in the application that reduce air emissions in this regard are the oily water sewer vapor controls, vapor controls at the wastewater treatment plant and vapor controls for the slop oil tankage.

6. Section 11-10 of the Property Tax Code, 35 ILCS 200/11-10 (2002),

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 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, 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."

7. Pollution control facilities are entitled to preferential tax treatment, as provided by 35 ILCS 200/11-5 (2002).

8. Based on information in the application and the underlying purpose of the Wastewater Treatment Plant and Benzene NESHAP Air Controls to prevent, eliminate or reduce air pollution, it is the Illinois EPA's engineering judgment that the aforementioned components of the described project and/or equipment may be considered as "pollution control facilities" in accordance with the statutory definition and consistent with the Board's regulations at 35 Ill. Adm. Code 125.200. [Exhibit C].

9. The Illinois EPA notes that it is unclear from the application as to whether the cost estimates are representative of only those Wastewater Treatment Plant and Benzene NESHAP-related upgrades that relate to the reduction of air contaminants or, alternatively, the total costs of the project, including those that are unrelated to vapor controls upgrades (i.e., lift station, effluent sump, etc). For purposes of this Tax

Certification, preferential tax treatment should only be afforded to the costs of the vaporrelated pollution control equipment.

10. Because the aforementioned components of the Wastewater Treatment

Plant and Benzene NESHAPs Air Controls satisfy the aforementioned criteria, the Illinois

EPA recommends that the Board grant the applicant's requested tax certification

consistent with the conditions expressed herein.

Respectfully submitted by,

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

/s/ Robb H. Layman Assistant Counsel

DATED: December 22, 2004

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276 Telephone: (217) 524-9137

CERTIFICATE OF SERVICE

I hereby certify that on the 22nd day of December, 2005, I electronically filed the

following instruments entitled NOTICE, APPEARANCE and RECOMMENDATION

with:

Dorothy Gunn, Clerk Illinois Pollution Control Board 100 West Randolph Street Suite 11-500 Chicago, Illinois 60601

and, further, that I did send a true and correct copy of the same foregoing instruments, by

First Class Mail with postage thereon fully paid and deposited into the possession of the

United States Postal Service, to:

Steve Santarelli Illinois Department of Revenue 101 West Jefferson P.O. Box 19033 Springfield, Illinois 62794 John S. Swearingen Marathon Ashland Petroleum Refinery Office Building Robinson, Illinois 62454

__/s

Robb H. Layman Assistant Counsel

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

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

FOR AGENCY USE

This Agency is authorized to request this information under Illinois Revised Statues, 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.

	Date Received Certific	cation No. Date
Sec. A	Company Name Manathon Achland Dotroloum LLC	
	Person Authorized to Receive Certification	Person to Contact for Additional Details
	John Swearingen	Ødnnis Baker
	Street Address	Street Address
	Refinery Office Building	539 South Main Street
E	Municipality, State & Zip Code	Municipality, State & Zip Code
CAN	Robinson, IL 62454	<u> </u>
- Deri	Telephone Number	Telephone Number
PF PF	618-544-2121	<u>419-421-3759</u>
	Quarter Section Township Range	e Multicipality Township
	doute constraint the standard	Robinson Robinson
	Street Address	County Book Number
	Route 33	Crawford
	Property Identification Number	Parcel Number
		Part of 51-34-1-21
Sec. B	Nature of Operations Conducted at the Above Locat	AFE 187
		810001
	Petroleum Refining	010021
u ع	Noctovator Troatmont Diant and D	Annana NECUADa Ain Conturle
IRIN NS	Waster Pollution Control Construction Permit No	Date Issued
ATC		
ER/	NPDES PERMIT No.	Date Issued Expiration Date
NY O	IL-000-4073	March 1989 1991
2	Air Pollution Control Construction Permit No.	Date Issued
	Joint 01100018	November 18, 2002
	Air Pollution Control Operating Permit No.	Date issued
	<u> Joint 01100018, 96010007 (Title</u>	V) November 18, 2002
Sec. C	Describe Unit Process	
บ z	See Attached	
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L S	Materials Used in Process	
PRC		
MAN	Soo Attached	
-	See Attached	
6 an D	Describe Pollution Abstement Control Easility	
Sec. D		
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L 532-022	2 Tax Certification for P	Pollution Control Facilities
	(D	e I of 2

- Exhibit A

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Sec. E	(1) Nat	ure of Contaminants or Pollutants Benzene, Volati	le Org	anic Comp	ounds (V()Cs)			
				N	laterial Reta	ined, Captu	red or	Recove	ered
DNTAMINANTS	Contan	ninant or Pollutant		DESCR	IPTION		DISPOS	SAL OR	USE
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	Ve	platile Organic Compoun	ds	VOCs		WWTP			
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G									
LFA	(2) Poi	nt(s) of Waste Water Discharge	N	<u> PDES - Pe</u>	<u>rmitted (</u>	utfall_			
DH I		·							
NO				Plans and S	pecifications	Attached	Yes x	Χ	No
Ŭ Z	(3) Are contaminants (or residues) collected by the control facility?								
OL	(4) [Date installation completed <u>20</u>	02	status of in	nstallation or	n date of a	opticatio	on <u>10</u>	0%
¥1∧	(5) a	. FAIR CASH VALUE IF CONSIDE	ERED REA	AL PROPERT	Y:		\$ 3	003	161
20	t	NET SALVAGE VALUE IF CONS	IDERED	REAL PROPE	RTY:		\$	45	<u>ิง</u> นา
VIIN		PRODUCTIVE GROSS ANNUAL		OF CONTRO	L FACILITY:		\$	7.0	<u> </u>
inoc		PRODUCTIVE NET ANNUAL IN		CONTROL F	ACILITY:		\$		
ACC				RS TO WHOL	E FACILITY Y		%	22	<u>ับ</u>
		E PERCENTAGE CONTROL TAC		ith the Wineie	Disporte Tax	Codo on on	bobdod	• 7 *	7
Sec. F	knowled	bwing information is submitted in acc	claimed	herein are "col	Property Tax	code, as an facilities" as	defined	in Secti	on 11-10 of the
ВЯ	Illinois F	Property Tax Code.							
IU.				11					
GN	%	lue Sweaman		12/29/04		_			
ŝ	Signate	re John Swearingen	Title I	llinois F	efining	Divisior	. Mana	ager	
Sec. G		INSTRUCT	IONS FOR	COMPILING A	ND FILING APP	LICATION			·····
		Concerts 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	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							
	Sec. B	outside of municipal boundaries. The property identification number is required.							
	Jec. D	Self-explanatory. Submit copies of all	permits iss	ued by local pol	nnou counoi ad	encies, (e.g.		nsuucuor	r Permik)
l	Sec. C	Refers to manufacturing processes or	materials c	an which pollution	n control facility	is used.			
	Sec. D	3C. D Narrative description of the pollution control facility, indicating that its primary purpose is to eliminate, prevent or reduce pollution.							
		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 average analysis of the influent and effluent of the control facility stating the							
	Sec E	List air contaminants, or water pollutio	n substann	es released as e	fluents to the n	nacufacturino	process	es. Lista	so the final
SNC	560. L	disposal of any contaminants removed from the manufacturing processes.							
CTK		Item (1) – Refers to pollutants and contaminants removed from the process by the pollution control facility.							
TRU		which clearly show (a) Point(s) of discharge to receiving stream, and (b) Sewers and process piping to and from the control							
INSI		facility.					· -		a and the colum
Item (3) – If the collected contaminants are disposed of other than as wastes, state the disposition of in dollars rectained by sale or rause of the collected substances. State the cost of reclamation and							n and rela	ated expe	ins, and the value
	Item (4) – State the date which the pollution control facility was first placed in service and operated. If not, ex, Item (5) – This information is essential to the certification and assessment actions. This accounting data must							not, expla	in.
								ta must bi	e completed to
	Sec. F Setf-explanatory. Signature must be a corporate authorized signature.								
		Submit to: Attention: Attention:							
			Thomas	4-Quincin		Denald E &	itton		
i		P.O. Box 19276	Permit Se	ncowiggin Iction		Permit Section			Ì
		Springfield, IL 62794-9276	Division o	f Water Pollution	Control	Division of Al	r Pollutic	n Control	

Tax Certification for Pollution Control Facilities Page 2 of 2 8/00

Section C

Describe Unit Process:

The wastewater treatment plant (WWTP) is responsible for treating process wastewater and storm water runoff prior to discharge through an NPDES permitted outfall. There are two main routes for water to enter the WWTP. The first is through the oily sewer system, the second is through the stormwater collection system.

The oily sewer system collects the water from process units and tankfarm water draws. This water enters the WWTP at the Diversion Box along with stripped sour water. The flow then enters the Main Lift Station where it is pumped to two parallel API traps (oil water separators). While in the API traps, oil in the water floats to the top and is removed by skimmers. Solids in the water sink to the bottom and are pumped to solids handling.

The water next flows to the Flocculation section of the two parallel DNF tanks, where chemicals are added that help remove additional oil and solids by causing the oil and solids to form larger particles. The water flows into the main section of the DNFs, where fine nitrogen bubbles are injected that help the oil and particles float to the top of the tank while heavier solids sink to the bottom. Both the oil and solids are removed, oils recovered and reprocessed, and the final solids properly disposed offsite.

From the DNFs, the water flows into tank 125, which is an aboveground sump that allows pumps to transfer the water to the Equalization Tank. On the way to the Equalization Tank, ammonia and phosphoric acid are added as nutrients as needed.

The other route for water to enter the WWTP is through the stormwater collection system. Water from the Boilerhouse, refinery storm sewer system and part of the tankfarm is collected in the stormwater sump, which pumps the water to the stormwater tanks 79D-74A, B and C. From stormwater tanks, the water is pumped into the Equalization Tank at a measured rate.

In the Equalization Tank, the water from the API traps and the stormwater tanks combine. The purpose of the Equalization Tank is to provide a large water volume which dampens the swings in the pollutant load to the aeration tanks.

Upon leaving the Equalization Tank, the flow goes to the Aeration tanks (79D-64A and B). The Aeration tanks may be operated in parallel or in series flow. In the Aeration tanks, the water is mixed with air and bacteria that biologically break down the oil and other wastes in the water.

The water then flows to the Final Clarifier, where the solids settle to the bottom. The solids are either pumped back to the aeration tanks to maintain the population of bacteria in the system or removed from the system maintaining the proper concentration. The water is pumped from the clarifier to sand filters, where any additional solids are removed. Finally, the water enters the Effluent Box where it leaves the refinery and is discharged to Robinson creek.

Section C

Materials used in process:

Ashland Hetron FR 992 Resin; Chemtech Phosphoric Acid 80% Tech Grade; Ondeo Nalco Ec2059a; Robins Aqua Ammonia 26' Be; Crompton Hi-point 90; Honeywell Acetone; Valspar Gardena White Base (28-3964); Oxychem Caustic Soda Liquid (all grades); Oxychem Phosphoric Acid 80% Solution; Ashland Drewfloc 2449 Polymer; Ondeo Nalco Ec6026a; Arch Chemical Calcium Hypochlorite Granular; Ashland Drewfax 0007 Specialty Surfactant; Ashland Drewplus Ed 750 Foam Control Agent; Ashland Amerfloc 492 Polymer; Ashland Chargepac 55 coagulant; Ashland Drewfloc 2220; Ashland Drewfloc 2465; Ashland Drewplus L 140 Foam Control Agent; Fisher Ammonium Hydroxide; Royster Clark DAP 18-46-0; Thermodyn Fluorodyn Caulk.

Section D

Pollution Control Facility Description

Oily Water Sewer Vapor Controls: Controls were installed on approximately 1140 oily water sewer components (catch basins, manholes, hub drains, etc.) throughout the Refinery. Components were sealed or fitted with p-trap inserts to prevent vapors from escaping to the atmosphere. The sewer system venting was changed to route vapors from the sewer to carbon canister systems via vent header piping.

Vapor Control at Waste Water Treatment Plant: Covers were installed on all waste water treatment plant equipment and vapors were routed to a vapor destruction device.

Vapor Control Slop Oil Tankage: Controls were installed on Refinery slop oil tanks. Six tanks were sealed and blanketed with nitrogen. Vapors are routed to the combustor flare.

The Waste Water Treatment Plant upgrade project included the following items:

- Main lift station & main lift pumps
- Two API separator trains
- Two DNF Units
- Two API slop/skim oil collection tanks
- Two solids storage tanks for API and DNF solids
- Two DNF float tanks
- Chemical addition systems for caustic, phosphoric and sulfuric acid, aqueous ammonia, polymer, and coagulant
- DNF effluent sump
- Area facilities which include secondary containment for the site, fire protection, utility and sewer systems and area lighting.
- Installation of a floating roof of the Equalization Tank (79D-63).

Drawings:

Schematic

Waste Water Treatment Plant - Robinson Facility



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Property Tax Department

MARTINON Ashiand

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MARATHON ASHLAND Pipe Line LLC

539 South Main Street Findlay, OH 45840-3295 Telephone 419/422-2121

April 6, 2005

Mr. Floyd E. McKinnery Jr. Permit Section, Bureau of Air Illinois Environmental Protection Agency 1021 North Grand Avenue East Springfield, Illinois 62702

Dear Floyd:

Per our telephone conversation, we are resubmitting an application for Certification (property tax treatment) Pollution Control Facility.

The original application was submitted in the same package as the applications for SCR process and the FCCU Wet Gas Scrubber made in September of 2004. Approval of both SCR and Scrubber was received in January of 2005.

Please expedite the review process for the attached application.

Thank you for your help in this matter and please advise me if there is anything we should be doing aid in the review of this application or the applications made in December of 2004.

Sincerely,

Dennis A. Baker Tax Representative



APR 0 7 2005

IEPA - DAPC - SPFLD

Exhibit B

APPLICATION FOR CERTIFICATION (PROPERTY TAX TREATMENT) POLLUTION CONTROL FACILITY

WATER Xk

FOR AGENCY USE

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

This Agency is authorized to request this information under Illinois Revised Statues, 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.

File No.	Date Received	Certification No.		Date
Sec. A	Company Name Marathon Ashland Petroleum 11	ŕ		
	Person Authorized to Receive Certification		Person to Contact for Ad	Iditional Details
	John S. Swearingen		Dennis A. Baker	•
	Street Address		Street Address	
	Refinery Office Building		539 South Main Municipality State & Zip	<u>Street</u>
ANT	Robinson IL 62454		Findlay OH 4584	10
PLIC	Telephone Number		Telephone Number	
AA	(618)544-2121		<u>(419)421-3759</u>	Towachin
	Quarter Section Township	Range	Wumupany	TOWNSHIP
			Robinson	Robinson
	Street Address		County	Book Number
	Property Identification Number		Parcel Number	
			Part of 51-34-1	21
Sec. B	Nature of Operations Conducted at the Above	Location		
	Petroleum Réfining			
20	WWTP			
URU ONS	Water Pollution Control Construction Permit No. Date Issued			
RAT	2001-EN-4870		12-31-01	
ANU	NPDES PERMIT No.		Date issued	Expiration Data
ž	Air Pollution Control Construction Permit No.		Date Issued	<u>. </u>
	0110018 (Joint)		11-18-02	
	Air Pollution Control Operating Permit No.	(T;+1, V	Date Issued	01 AD
Sec. C	1 OFTOOLS (JOINE) 90010001 1 1 Oescribe Unit Process CAAPP Perr	nit)	11-10-VZ, 11	-24-03
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	Materials Used in Process	<u> </u>	<u></u>	
PRO				
NAM	See attached			neget a r
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Sec. D	Describe Pollution Abatement Control Facility	/		
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AT A	See attached			
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Tax Certification for Pollution Control Facilities Page 1 of 2 8/00

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~	(2) Po	int(s) of Waste Water Discharg	e					
į								
			Plans and Specification	s Attached	Yes	No		
	(3)	Are contaminants (or residues)	collected by the control facility?		Yes	NO		
	(4)	Date installation completed	status of installation of	on date of a		0 (0)		
A L A	(5) a. FAIR CASH VALUE IF CONSIDERED REAL PROPERTY:			\$ 20,90	2,023			
0 9 P		D. NET SALVAGE VALUE IF CO	DNSIDERED REAL PROPERTY:		<u> </u>	00		
Ĩ		PRODUCTIVE GROSS ANNI	JAL INCOME OF CONTROL FACILITY:		\$	0		
o S		PRODUCTIVE NET ANNUAL	INCOME OF CONTROL FACILITY:		\$	0		
¥ ₹		PERCENTAGE CONTROL F	ACILITY BEARS TO WHOLE FACILITY	VALUE:	% 2.	255		
	Signan	ire	Title					
G	<u>j pignar</u>	INSTRU	CTIONS FOR COMPILING AND FILING APP	PLICATION				
	General: Separate applications must be completed for each control facility claimed. Do not mix types (water and air). Where both air ar 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							
	6.000	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. O	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.						
INSTRUCTIONS	Sec. E	 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 dearly 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. 						
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Tax Certification for Pollution Control Facilities Page 2 of 2 8/00

Section C

Describe Unit Process:

The new covered waste water treating plant is located a block east and north of the Crude Unit. The treatment plant is covered to prevent hydrocarbon vapors out of the air. The lighter than water materials are skimmed from the top and the heavier than water materials are pumped off the bottom in the API Traps. In the DNFs the suspended particles are formed together chemically and floated to the top as floc where they are skimmed. The skimmed waste is then treated and taken off site.

Oily wastewater from refinery processes is directed to the Main Lift Station. Storm water can also be directed to the Main Lift Station in the event of an overflow of storm water facilities or should it need to be processed in the primary wastewater treatment facilities. From the Main Lift Station, oily wastewater/storm water is pumped to the inlet of two parallel API Separators, which are covered, nitrogen-blanketed, and vented to the 84F-7 Flare. Oil is skimmed off the top of the API Separators and sent to a series of slop oil tanks; recovered slop oil is returned to refinery processes. Solids from the bottom of the API Separators are pumped to storage tanks.

After the API Separators, wastewater is directed to two parallel Dissolved Nitrogen Floatation (DNF) units, which are also covered, nitrogen-blanketed and vented to the 84F-7 Flare. DNF solids and DNF float are pumped to the storage tanks. From the DNF units, waste water is pumped to the DNF Effluent Tank, 79D-125, and then to Tank 79D-63, which serves as an equalization tank for the secondary treatment facilities. Secondary treatment includes two activated sludge tanks for biological treatment, clarification, and filtering.

API or DNF solids can be further processed to recover oil. The solids are sent through a centrifuge, where oil is recovered, and then through a low temperature thermal desorption unit to reduce the sludge volume.

New construction to WWTP process included:

- 1. New main lift station with secondary containment and cover with vapor control to pump the refinery wastewater from the existing Diversion Box/Splitter Box to the two new trains of API Oil/Water Separator and Dissolved Nitrogen Flotation (DNF).
- 2. New above ground parallel API separator trains with provisions for vapor collection. The effluent from the main lift station is diverted to the new API units.
- 3. Two new larger above ground parallel DNF units with provisions for vapor collection. The effluent from the new API separator is sent to the new DNF units.
- 4. Dedicated slop oil collection tanks for each API. The slop oil will be pumped from these tanks to the existing slop oil collection tanks.
- 5. Two solids storage tanks for the API and/or DNF solids.
- 6. Two DNF Float storage tanks.
- 7. Pumps and piping for wastewater, slop oil, and solids transfer.

- 8. Secondary containment for the WWTP area, area paving, fire protection facilities and area lighting.
- 9. New operator's shelter with controls and new motor control center.
- 10. Nitrogen blanketing on selected units to maintain a non-explosive environment under the vapor emission control covers.
- 11. New chemical feed facility for caustic, sulfuric acid, ammonia, phosphoric acid, polymer (flocculant), and coagulant.
- 12. Floating roof cover for existing Equalization Tank 79D-63 to control vapor emissions.
- 13. Cover and vapor controls for existing Diversion Box, 809 Sump and API Splitter Box.
- 14. Activated carbon systems to control emissions from Main Lift Station, sewers, and other remotely located systems such as the stormwater sump.

Section C

Materials used in process:

Caustic, sulfuric acid, ammonia, phosphoric acid, polymer (flocculant), and coagulant

Section D

Pollution Control Facility Description

Oily wastewater from refinery processes is directed to the Main Lift Station. Storm water can also be directed to the Main Lift Station in the event of an overflow of storm water facilities or should it need to be processed in the primary wastewater treatment facilities. From the Main Lift Station, oily wastewater/storm water is pumped to the inlet of two parallel API Separators, which are covered, nitrogen-blanketed, and vented to the 84F-7 Flare. Oil is skimmed off the top of the API Separators and sent to a series of slop oil tanks; recovered slop oil is returned to refinery processes. Solids from the bottom of the API Separators are pumped to storage tanks.

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API or DNF solids can be further processed to recover oil. The solids are sent through a centrifuge, where oil is recovered, and then through a low temperature thermal desorption unit to reduce the sludge volume.

Section E

(1) Nature of Contaminants or Pollutants:

Hydrocarbon vapors

Contaminant or Pollutant: Hydrocarbon vapors (VOCs)

Material retained, captured or recovered (description): Hydrocarbon vapors are prevented from reaching the atmosphere due to the new covered waste water treatment plant.

(2) N/A

Plans and specifications attached YES

- (3) Are contaminants (or residues) collected by the control facility YES
- (4) Installation completed: October 2002 status of installation on date of application: 100%
- (5) FOR TAX DEPARTMENT

Process Flow Diagrams

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WWTP Schematic	A-1
Overall Refinery Plot Plan	B-l

Waste Water Treatment Plant - Robinson Facility



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A-1

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Illinois Environmental Protection Agency

P.O. Box 19506, Sprinchild, Ittinois 62794-9506 Renee Cipriano, Director

Memorandum

Technical Recommendation for Tax Certification Approval

Date: September 20, 2005

To: Robb Layman

From: Don Sutton DES

Subject: Marathon Ashland Petroleum LLC TC-04-30-12G & TC-05-04-07

This Agency received a request on December 30, 2004 from Marathon Ashland Petroleum LLC for an Illinois EPA recommendation regarding tax certification of air pollution control facilities pursuant to 35 III. Adm, Code 125.204. I offer the following recommendation.

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

Wastewater Treatment Plant and Benzene Neshap's Air Controls whose primary purpose is to reduce vapor emissions from the oily sewer system. The units that reduce vapor emissions are the Oily Water Sewer Vapor Controls, Vapor Control at wastewater treatment plant, and Vapor Control Slop Oil Tankage. Because the primary purpose of these units are to reduce or eliminate air pollution, it is certified as a pollution control facility.

This facility is located at 100 Marathon Avenue, Robinson The property identification number is Part of 51-34-1-21

Based on the information included in this submittal, it is my engineering Judgement that the proposed facility may be considered "Pollution Control Facilities" under 35 IAC 125.200(a), with the primary purpose of eliminating, preventing, or reducing air pollution, or as otherwise provided in this section, and therefore eligible for tax certification from the Illinois Pollution Control Board. Therefore, it is my recommendation that the Board issue the requested tax Certification for this facility.

Erhibit C

ROD R. BLAGOJEVICH, GOVERNOR PRINTED ON RECYCLED PAPER