

STATE OF MISSOURI  
**DEPARTMENT OF NATURAL RESOURCES**

MISSOURI CLEAN WATER COMMISSION



**MISSOURI STATE OPERATING PERMIT**

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92<sup>nd</sup> Congress) as amended,

Permit No. MO-0136972

Owner: Ayers Oil Company  
Address: 610 N. 4<sup>th</sup> Street, Canton, MO 63435

Continuing Authority: Same as above  
Address: Same as above

Facility Name: Ayers Oil Company  
Facility Address: 610 N. 4<sup>th</sup> Street, Canton, MO 63435

Legal Description: See Page 2  
UTM Coordinates: See Page 2

Receiving Stream: Unnamed tributary to the Mississippi River (U)  
First Classified Stream and ID: Mississippi River (P) (1)  
USGS Basin & Sub-watershed No.: (07110001-0605)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

**FACILITY DESCRIPTION**

This facility is a bulk petroleum terminal that receives and stores diesel, gasoline, kerosene, denatured alcohol fuels, biodiesel, and additives, and then distributes petroleum products.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 621.250 RSMo, Section 640.013 RSMo and Section 644.051.6 of the Law.

July 1, 2013                      February 17, 2015  
Effective Date                      Modification Date

Sara Parker Pauley, Director, Department of Natural Resources

June 30, 2018  
Expiration Date

John Madras, Director, Water Protection Program

**FACILITY DESCRIPTION (continued):**

Outfall #001 – Stormwater - SIC 5171.

Flow is dependent on precipitation. Discharge is from the containment area on the east side.

Legal Description: SW ¼, SW ¼ Sec. 25, T62N, R6W, Lewis County  
UTM Coordinates: X = 626475, Y = 4443776  
Receiving Stream: unnamed tributary to Mississippi River  
First Classified Stream and ID: Mississippi River (P) (1)  
USGS Basin & Sub-watershed No.: (07110001-0605)

Outfall #002 – Stormwater – SIC 5171.

Flow is dependent on precipitation. Discharge is from the pipe on the south side of Grant Street. The discharge includes stormwater from the bottom unloading area, containment for tanks 14 and 15, and surface drainage near the office building.

Legal Description: SW ¼, SW ¼, Sec. 25, T62N, R6W, Lewis County  
UTM Coordinates: X = 626311, Y = 4443791  
Receiving Stream: unnamed tributary to Mississippi River  
First Classified Stream and ID: Mississippi River (P) (1)  
USGS Basin & Sub-watershed No.: (07110001-0605)

Outfall #003 – Stormwater – SIC 5171

Flow is dependent on precipitation. Discharge is from the containment area for tank 17.

Legal Description: NE ¼, SE ¼, Sec. 25, T62N, R6W, Lewis County  
UTM Coordinates: X = 626148, Y = 4444365  
Receiving Stream: unnamed tributary to Mississippi River  
First Classified Stream and ID: Mississippi River (P) (1)  
USGS Basin & Sub-watershed No.: (07110001-0605)

Outfall #004 – Stormwater – SIC 5171

Flow is dependent on precipitation. Discharge is from the containment area for tank 16.

Legal Description: NE ¼, SE ¼, Sec. 25, T62N, R6W, Lewis County  
UTM Coordinates: X = 626174, Y = 4444355  
Receiving Stream: unnamed tributary to Mississippi River  
First Classified Stream and ID: Mississippi River (P) (1)  
USGS Basin & Sub-watershed No.: (07110001-0605)

The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:

OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfall 001</u>						
Flow	MGD	*		*	once/quarter**	24 hr. estimate
Total Suspended Solids	mg/L	*		*	once/quarter**	grab
Chemical Oxygen Demand	mg/L	*		*	once/quarter**	grab
Oil & Grease	mg/L	15		10	once/quarter**	grab
pH	SU	***		***	once/quarter**	grab
Total Petroleum Hydrocarbons (DRO)	µg/L	*		*	once/quarter**	grab
Total Petroleum Hydrocarbons (GRO)	µg/L	*		*	once/quarter**	grab
Total Petroleum Hydrocarbons (ORO)	µg/L	*		*	once/quarter**	grab
Benzene	µg/L	5		5	once/quarter**	grab
Ethylbenzene	µg/L	320		320	once/quarter**	grab
Toluene	µg/L	5		5	once/quarter**	grab
Xylene	µg/L	10,000		10,000	once/quarter**	grab
Naphthalene	µg/L	*		*	once/quarter**	grab

MONITORING REPORTS SHALL BE SUBMITTED QUARTERLY; THE FIRST REPORT IS DUE OCTOBER 28, 2013.

**B. STANDARD CONDITIONS**

IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED Part I STANDARD CONDITIONS DATED October 1, 1980 AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.

**A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)**

\* Monitoring requirement only.

\*\* See table below for quarterly sampling.

Sample discharge at least once for the months of:	Report is due:
January, February, March (1st Quarter)	April 28
April, May, June (2nd Quarter)	July 28
July, August, September (3rd Quarter)	October 28
October, November, December (4th Quarter)	January 28

\*\*\* pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.5-9.0 pH units.

C. SPECIAL CONDITIONS

1. This permit may be reopened and modified, or alternatively revoked and reissued, to:
  - (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
    - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
    - (2) controls any pollutant not limited in the permit.
  - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
  - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

2. All outfalls must be clearly marked in the field.
3. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
    - (1) One hundred micrograms per liter (100 µg/L);
    - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
    - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
    - (4) The level established in Part A of the permit by the Director.
  - (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.
  - (c) That the effluent limit established in part A of the permit will be exceeded.
4. Report as no-discharge when a discharge from Outfall 001 does not occur during the report period.
  5. Water Quality Standards

- (a) To the extent required by law, discharges to waters of the state shall not cause a violation of water quality standards rule under 10 CSR 20-7.031, including both specific and general criteria.
- (b) General Criteria. The following general water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
  - (1) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
  - (2) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
  - (3) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
  - (4) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
  - (5) There shall be no significant human health hazard from incidental contact with the water;
  - (6) There shall be no acute toxicity to livestock or wildlife watering;
  - (7) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
  - (8) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.

C. SPECIAL CONDITIONS, continued

6. For the purposes of this permit the Spill Prevention Control and Countermeasure plan (SPCC) shall serve as the Stormwater Pollution Prevention Plan (SWPPP). All activities at this facility take place inside fully contained areas covered under an SPCC. The SPCC adequately addresses sources of stormwater, however if the facility wishes to engage in other industrial operations at this site a permit modification may be required to include new permit limits and a site-specific SWPPP.
7. Permittee shall adhere to the following minimum Best Management Practices:
  - (a) Prevent the spillage or loss of fluids, oil, grease, fuel, etc. from vehicle maintenance, equipment cleaning, or warehouse activities and thereby prevent the contamination of storm water from these substances.
  - (b) Provide collection facilities and arrange for proper disposal of waste products including but not limited to petroleum waste products, and solvents.
  - (c) Store all paint, solvents, petroleum products and petroleum waste products (except fuels), and storage containers (such as drums, cans, or cartons) so that these materials are not exposed to storm water or provide other prescribed BMP's such as plastic lids and/or portable spill pans to prevent the commingling of storm water with container contents. Commingled water may not be discharged under this permit. Provide spill prevention control, and/or management sufficient to prevent any spills of these pollutants from entering waters of the state. Any containment system used to implement this requirement shall be constructed of materials compatible with the substances contained and shall also prevent the contamination of groundwater.
  - (d) Provide good housekeeping practices on the site to keep trash from entry into waters of the state.
  - (e) Provide sediment and erosion control sufficient to prevent or control sediment loss off of the property. This could include the use of straw bales, silt fences, or sediment basins, if needed, to comply with effluent limits.
8. The purpose of the SPCC and the BMPs listed herein is the prevention of pollution of waters of the state. A deficiency of a BMP means it was not effective in preventing pollution [10 CSR 20-2.010(56)] of waters of the state, and corrective actions means the facility took steps to eliminate the deficiency.
9. Before releasing water from Outfalls 001, 003, & 004 that has accumulated in secondary containment areas it must be examined for hydrocarbon odor and presence of a sheen. When the presence of hydrocarbons is indicated this water must be tested for Total Petroleum Hydrocarbons (TPH). The suggested analytical method for testing TPH is non-Halogenated Organic by Gas Chromatography method 8015 (also known as OA1 and OA2). However, if the permittee so desires to use other approved testing methods (i.e. EPA 1664), they may do so. If the concentration for TPH exceeds 10 mg/L, the water shall be treated on site before discharging, or taken to a wastewater treatment facility for treatment.
10. Release of a hazardous substance equal to or in excess of the reportable quantity found at 40 CFR 302.4 must be reported to the Department at the earliest practicable moment, but no greater than 24 hours after the spill occurs.
11. All spills must be cleaned up within 24 hours or as soon as possible. Oil or hazardous substance releases, not characterized in this permit, that leave the property of the facility must be reported to the Department at the earliest practicable moment, but no greater than 24 hours after the spill occurs. A record of each reportable spill shall be retained with the SPCC and made available to the Department upon request

The Department may require the submittal of a written report detailing measures taken to clean up the spill within 5 days of the spill. Whether the written report is submitted with the Storm Water Sampling Report or required to be submitted within 5 days, it must include the type of material spilled, volume, date of spill, date clean-up completed, clean-up method, and final disposal method. If the spill occurs outside of normal business hours, or if the permit holder cannot reach regional office staff for any reason, the permit holder is instructed to report the spill to the Department's 24 hour Environmental Emergency Response hotline at (573) 634-2436. Leaving a message on a Department staff member voice-mail does not satisfy this reporting requirement. These reporting requirements apply whether or not the spill results in chemicals or materials leaving the permitted property or reaching waters of the state. This requirement is in addition to the Noncompliance Reporting requirement found in Standard Conditions Part I.

**Missouri Department of Natural Resources**  
**FACT SHEET**  
**FOR THE ISSUANCE OF A NEW PERMIT**  
**FOR**  
**MO-0136972**  
**AYER'S OIL COMPANY**

The Federal Water Pollution Control Act ("Clean Water Act" Section 402 Public Law 92-500 as amended) established the National Pollution Discharge Elimination System (NPDES) permit program. This program regulates the discharge of pollutants from point sources into the waters of the United States, and the release of storm water from certain point sources. All such discharges are unlawful without a permit (Section 301 of the "Clean Water Act"). After a permit is obtained, a discharge not in compliance with all permit terms and conditions is unlawful. Missouri State Operating Permits (MSOPs) are issued by the Director of the Missouri Department of Natural Resources (Department) under an approved program, operating in accordance with federal and state laws (Federal "Clean Water Act" and "Missouri Clean Water Law" Section 644 as amended). MSOPs are issued for a period of five (5) years unless otherwise specified.

As per [40 CFR Part 124.8(a)] and [10 CSR 20-6.020(1)2.] a Factsheet shall be prepared to give pertinent information regarding the applicable regulations, rationale for the development of effluent limitations and conditions, and the public participation process for the Missouri State Operating Permit (operating permit) listed below.

A Factsheet is not an enforceable part of an operating permit.

This Factsheet is for a Major , Minor , Industrial Facility ; Variance ; Master General Permit ; General Permit Covered Facility ; and/or permit with widespread public interest .

**2015 Internal Modification**

The initial permit for this facility had outfall 002 as the only outfall with sampling and reporting requirements. Through conversations with the facility manager it was discovered that outfalls 002-004 do not regularly discharge. I believe the sampling and reporting requirements were established for outfall 002 were a technical mistake. This modification moves the sampling and reporting requirements to outfall 001 because that is the outfall that typically discharges.

**Date of Modification:** February 6, 2015

**Completed By:**

**Amanda Sappington, Chief  
Industrial Permits Unit  
Water Protection Program  
(573) 751-8728  
[amanda.sappington@dnr.mo.gov](mailto:amanda.sappington@dnr.mo.gov)**

**Part I – Facility Information**

Facility Type: IND  
Facility SIC Code(s): 5171

Have any changes occurred at this facility or in the receiving water body that effects effluent limit derivation?

- Yes; (please provide simple description or reference appropriate location in the Fact Sheet.

- No.

Application Date: 3/27/2012  
Expiration Date: New  
Last Inspection: New

**OUTFALL(S) TABLE:**

OUTFALL	DESIGN FLOW MGD	TREATMENT LEVEL	EFFLUENT TYPE	DISTANCE TO CLASSIFIED SEGMENT (MI)
001, 002, 003, 004	Dependent on precipitation	Industrial	Stormwater	>100 feet

Receiving Water Body's Water Quality & Facility Performance History:

New Facility

Comments:

This is a previously un-permitted facility.

**Part II – Receiving Stream Information**

**APPLICABLE DESIGNATIONS OF WATERS OF THE STATE:**

As per Missouri's Effluent Regulations [10 CSR 20-7.015], the waters of the state are divided into the below listed seven (7) categories. Each category lists effluent limitations for specific parameters, which are presented in each outfall's Effluent Limitation Table and further discussed in the Derivation & Discussion of Limits section.

- Missouri or Mississippi River [10 CSR 20-7.015(2)]:
- Lake or Reservoir [10 CSR 20-7.015(3)]:
- Losing [10 CSR 20-7.015(4)]:
- Metropolitan No-Discharge [10 CSR 20-7.015(5)]:
- Special Stream [10 CSR 20-7.015(6)]:
- Subsurface Water [10 CSR 20-7.015(7)]:
- All Other Waters [10 CSR 20-7.015(8)]:

10 CSR 20-7.031 Missouri Water Quality Standards, the Department defines the Clean Water Commission water quality objectives in terms of "water uses to be maintained and the criteria to protect those uses." The receiving stream and/or 1<sup>st</sup> classified receiving stream's beneficial water uses to be maintained are located in the Receiving Stream Table located below in accordance with [10 CSR 20-7.031(3)].

**RECEIVING STREAM(S) TABLE:**

WATERBODY NAME	CLASS	WBID	DESIGNATED USES*	12-DIGIT HUC
Mississippi R.	P	226	AQL, DWS, IND, LWW, SCR, WBC (A)	07110010605

\* - Irrigation (IRR), Livestock & Wildlife Watering (LWW), Protection of Warm Water Aquatic Life and Human Health-Fish Consumption (AQL), Cool Water Fishery(CLF), Cold Water Fishery (CDF), Whole Body Contact Recreation (WBC), Secondary Contact Recreation (SCR), Drinking Water Supply (DWS), Industrial (IND), Groundwater (GRW).

**MIXING CONSIDERATIONS**

Mixing Zones and Zones of Initial Dilution are not allowed. All effluent from this facility is stormwater runoff. Permit limits and water quality standards must be met at the end of the pipe.

**RECEIVING STREAM MONITORING REQUIREMENTS:**

No receiving water monitoring requirements recommended at this time.

**Part III – Rationale and Derivation of Effluent Limitations & Permit Conditions**

**ALTERNATIVE EVALUATIONS FOR NEW FACILITIES:**

As per [10 CSR 20-7.015(4)(A)], discharges to losing streams shall be permitted only after other alternatives including land application, discharges to a gaining stream and connection to a regional wastewater treatment facility have been evaluated and determined to be unacceptable for environmental and/or economic reasons.

Not Applicable ;

The facility does not discharge to a Losing Stream as defined by [10 CSR 20-2.010(36)] & [10 CSR 20-7.031(1)(N)], or is an existing facility.

**ANTI-BACKSLIDING:**

A provision in the Federal Regulations [CWA §303(d)(4); CWA §402(c); 40 CFR Part 122.44(I)] that requires a reissued permit to be as stringent as the previous permit with some exceptions.

- New facility, backsliding does not apply.

**COMPLIANCE AND ENFORCEMENT:**

Enforcement is the action taken by the Water Protection Program (WPP) to bring an entity into compliance with the Missouri Clean Water Law, its implementing regulations, and/or any terms and conditions of an operating permit. The primary purpose of the enforcement activity in the WPP is to resolve violations and return the entity to compliance.

Not Applicable ;

The permittee/facility is not currently under Water Protection Program enforcement action.

**REASONABLE POTENTIAL ANALYSIS (RPA):**

Federal regulation [40 CFR Part 122.44(d)(1)(i)] requires effluent limitations for all pollutants that are or may be discharged at a level that will cause or have the reasonable potential to cause or contribute to an in-stream excursion above narrative or numeric water quality standard.

Not Applicable ;

A RPA was not conducted for this facility.

**SCHEDULE OF COMPLIANCE (SOC):**

A schedule of remedial measures included in a permit, including an enforceable sequence of interim requirements (actions, operations, or milestone events) leading to compliance with the Missouri Clean Water Law, its implementing regulations, and/or the terms and conditions of an operating permit.

Not Applicable ;

This permit does not contain a SOC.

**STORM WATER POLLUTION PREVENTION PLAN (SWPPP):**

In accordance with 40 CFR 122.44(k) *Best Management Practices (BMPs)* to control or abate the discharge of pollutants when: (1) Authorized under section 304(e) of the Clean Water Act (CWA) for the control of toxic pollutants and hazardous substances from ancillary industrial activities; (2) Authorized under section 402(p) of the CWA for the control of storm water discharges; (3) Numeric effluent limitations are infeasible; or (4) the practices are reasonably necessary to achieve effluent limitations and standards or to carry out the purposes and intent of the CWA.

In accordance with the EPA's *Developing Your Stormwater Pollution Prevention Plan, A Guide for Industrial Operators*, (Document number EPA 833-B-09-002) [published by the United States Environmental Protection Agency (USEPA) in February 2009], BMPs are measures or practices used to reduce the amount of pollution entering (regarding this operating permit) waters of the state. BMPs may take the form of a process, activity, or physical structure.

Additionally in accordance with the Storm Water Management, a SWPPP is a series of steps and activities to (1) identify sources of pollution or contamination, and (2) select and carry out actions which prevent or control the pollution of storm water discharges.

Applicable ;

A SWPPP shall be developed and implemented for each site and shall incorporate required practices identified by the Department with jurisdiction, incorporate erosion control practices specific to site conditions, and provide for maintenance and adherence to the plan.

**VARIANCE:**

As per the Missouri Clean Water Law § 644.061.4, variances shall be granted for such period of time and under such terms and conditions as shall be specified by the commission in its order. The variance may be extended by affirmative action of the commission. In no event shall the variance be granted for a period of time greater than is reasonably necessary for complying with the

Missouri Clean Water Law §§644.006 to 644.141 or any standard, rule or regulation promulgated pursuant to Missouri Clean Water Law §§644.006 to 644.141.

Not Applicable ;

This operating permit is not drafted under premises of a petition for variance.

**WASTELOAD ALLOCATIONS (WLA) FOR LIMITS:**

Not Applicable ;

Wasteload allocations were not calculated.

**WLA MODELING:**

Not Applicable ;

A WLA study was either not submitted or determined not applicable by Department staff.

**WATER QUALITY STANDARDS:**

Per [10 CSR 20-7.031(3)], General Criteria shall be applicable to all waters of the state at all times including mixing zones. Additionally, [40 CFR 122.44(d)(1)] directs the Department to establish in each NPDES permit to include conditions to achieve water quality established under Section 303 of the Clean Water Act, including State narrative criteria for water quality.

**WHOLE EFFLUENT TOXICITY (WET) TEST:**

A WET test is a quantifiable method of determining if a discharge from a facility may be causing toxicity to aquatic life by itself, in combination with or through synergistic responses when mixed with receiving stream water.

Not Applicable ;

At this time, the permittee is not required to conduct WET test for this facility.

**303(d) LIST & TOTAL MAXIMUM DAILY LOAD (TMDL):**

Section 303(d) of the federal Clean Water Act requires that each state identify waters that are not meeting water quality standards and for which adequate water pollution controls have not been required. Water quality standards protect such beneficial uses of water as whole body contact (such as swimming), maintaining fish and other aquatic life, and providing drinking water for people, livestock and wildlife. The 303(d) list helps state and federal agencies keep track of waters that are impaired but not addressed by normal water pollution control programs.

A TMDL is a calculation of the maximum amount of a given pollutant that a body of water can absorb before its water quality is affected. If a water body is determined to be impaired as listed on the 303(d) list, then a watershed management plan will be developed that shall include the TMDL calculation

Not Applicable ; This facility does not discharge to a 303(d) listed stream.

**Part IV – Effluent Limits Determination**

***Outfall 001 – DERIVATION AND DISCUSSION OF LIMITS:***

- **Flow.** In accordance with [40 CFR Part 122.44(i)(1)(ii)] the volume of effluent discharged from each outfall is needed to assure compliance with permitted effluent limitations. If the permittee is unable to obtain effluent flow, then it is the responsibility of the permittee to inform the Department, which may require the submittal of an operating permit modification.
- **Total Suspended Solids.** Monitoring requirement only.
- **Chemical Oxygen Demand.** A measure of the oxygen consuming capacity of inorganic and organic matter present in the storm water. Monitoring requirement only.

- **Oil & Grease.** Conventional pollutant, effluent limitation for protection of aquatic life; 10 mg/L monthly average, 15 mg/L daily maximum.
- **pH.** Protection of receiving stream beneficial use of Aquatic Life habitat. 10 CSR 7.015(9)(G)1.
- **TPH (DRO): Total Petroleum Hydrocarbons-Diesel Range Organics.** Monitoring only. A surrogate for pollutants of concern associated with diesel storage.
- **TPH (GRO): Total Petroleum Hydrocarbons-Gasoline Range Organics.** Monitoring only. A surrogate for pollutants of concern associated with gasoline storage.
- **TPH (ORO): Total Petroleum Hydrocarbons-Oil Range Organics.** Monitoring only. A surrogate for pollutants of concern associated with kerosene storage.
- **Benzene.** Protection of receiving stream beneficial use of Drinking Water Supply, see the **APPLICABLE DESIGNATION OF WATERS OF THE STATE** sub-section of the **Receiving Stream Information.**
- **Ethylbenzene.** Protection of receiving stream beneficial use of Aquatic Life habitat, see the **APPLICABLE DESIGNATION OF WATERS OF THE STATE** sub-section of the **Receiving Stream Information.**
- **Toluene.** Protection of receiving stream beneficial use of Drinking Water Supply, see the **APPLICABLE DESIGNATION OF WATERS OF THE STATE** sub-section of the **Receiving Stream Information.**
- **Xylene.** Protection of receiving stream beneficial use of Drinking Water Supply, see the **APPLICABLE DESIGNATION OF WATERS OF THE STATE** sub-section of the **Receiving Stream Information.**
- **Naphthalene.** Monitoring only. A pollutant of concern associated with petroleum storage.

## **Part V – Administrative Requirements**

On the basis of preliminary staff review and the application of applicable standards and regulations, the Department, as administrative agent for the Missouri Clean Water Commission, proposes to issue a permit(s) subject to certain effluent limitations, schedules, and special conditions contained herein and within the operating permit. The proposed determinations are tentative pending public comment.

### **PERMIT SYNCHRONIZATION:**

The Department of Natural Resources is currently undergoing a synchronization process for operating permits. Permits are normally issued on a five-year term, but to achieve synchronization many permits will need to be issued for less than the full five years allowed by regulation. The intent is that all permits within a watershed will move through the Watershed Based Management (WBM) cycle together will all expire in the same fiscal year. This will allow further streamlining by placing multiple permits within a smaller geographic area on public notice simultaneously, thereby reducing repeated administrative efforts. This will also allow the Department to explore a watershed based permitting effort at some point in the future.

Permit Final Sync date is June 30, 2018. Therefore the permit will be issued in June 2013.

### **PUBLIC NOTICE:**

The Department shall give public notice that a draft permit has been prepared and its issuance is pending. Additionally, public notice will be issued if a public hearing is to be held because of a significant degree of interest in and water quality concerns related to a draft permit. No public notice is required when a request for a permit modification or termination is denied; however, the requester and permittee must be notified of the denial in writing.

The Department must issue public notice of a pending operating permit or of a new or reissued statewide general permit. The public comment period is the length of time not less than 30 days following the date of the public notice which interested persons may submit written comments about the proposed permit.

- The Public Notice period for this operating permit was from January 25, 2013 to February 25, 2013. No responses were received during the formal public notice period. After the public notice the permittee requested a minor change be made to spill reporting requirements. They requested that spill reports be kept on site with the facility's SPCC rather than be recorded on their sampling report. The requested change was made to the permit. Since this change did not make the permit less stringent it was not necessary to place the permit on public notice again.

**DATE OF FACT SHEET:** MARCH 8, 2013

### **COMPLETED BY:**

**ALAN MOREAU, ENVIRONMENTAL SPECIALIST III**  
**NPDES PERMITS UNIT**  
**WATER PROTECTION PROGRAM**  
**(573) 522-2253**  
**alan.moreau@dnr.mo.gov**

**STANDARD CONDITIONS FOR NPDES PERMITS  
ISSUED BY  
THE MISSOURI DEPARTMENT OF NATURAL RESOURCES  
MISSOURI CLEAN WATER COMMISSION**

**Revised  
October 1, 1980**

**PART I - GENERAL CONDITIONS  
SECTION A - MONITORING AND REPORTING**

1. **Representative Sampling**
  - a. Samples and measurements taken as required herein shall be representative of the nature and volume, respectively, of the monitored discharge. All samples shall be taken at the outfall(s), and unless specified, before the effluent joins or is diluted by any other body of water or substance.
  - b. Monitoring results shall be recorded and reported on forms provided by the Department, postmarked no later than the 28th day of the month following the completed reporting period. Signed copies of these, and all other reports required herein, shall be submitted to the respective Department Regional Office, the Regional Office address is indicated in the cover letter transmitting the permit.
2. **Schedule of Compliance**

No later than fourteen (14) calendar days following each date identified in the "Schedule of Compliance", the permittee shall submit to the respective Department Regional Office as required therein, either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirements, or if there are no more scheduled requirements, when such noncompliance will be corrected. The Regional Office address is indicated in the cover letter transmitting the permit.
3. **Definitions**

Definitions as set forth in the Missouri Clean Water Law and Missouri Clean Water Commission Definition Regulation 10 CSR 20-2.010 shall apply to terms used herein.
4. **Test Procedures**

Test procedures for the analysis of pollutant shall be in accordance with the Missouri Clean Water Commission Effluent Regulation 10 CSR 20-7015.
5. **Recording of Results**
  - a. For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:
    - (i) the date, exact place, and time of sampling or measurements;
    - (ii) the individual(s) who performed the sampling or measurements;
    - (iii) the date(s) analyses were performed;
    - (iv) the individual(s) who performed the analyses;
    - (v) the analytical techniques or methods used; and
    - (vi) the results of such analyses.
  - b. The Federal Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than six (6) months per violation, or both.
  - c. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Director in the permit.
6. **Additional Monitoring by Permittee**

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Monitoring Report Form. Such increased frequency shall also be indicated.

7. **Records Retention**

The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recording for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the sample, measurement, report or application. This period may be extended by request of the Department at any time.

**SECTION B - MANAGEMENT REQUIREMENTS**

1. **Change in Discharge**
  - a. All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant not authorized by this permit or any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit.
  - b. Any facility expansions, production increases, or process modifications which will result in new, different, or increased discharges of pollutants shall be reported by submission of a new NPDES application at least sixty (60) days before each such change, or, if they will not violate the effluent limitations specified in the permit, by notice to the Department at least thirty (30) days before such changes.
2. **Noncompliance Notification**
  - a. If, for any reason, the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit, the permittee shall provide the Department with the following information, in writing within five (5) days of becoming aware of such conditions:
    - (i) a description of the discharge and cause of noncompliance, and
    - (ii) the period of noncompliance, including exact dates and times or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.
  - b. Twenty-four hour reporting. The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally with 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided with five (5) days of the time the permittee becomes aware of the circumstances. The Department may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.
3. **Facilities Operation**

Permittees shall operate and maintain facilities to comply with the Missouri Clean Water Law and applicable permit conditions. Operators or supervisors of operations at publicly owned or publicly regulated wastewater treatment facilities shall be certified in accordance with 10 CSR 209.020(2) and any other applicable law or regulation. Operators of other wastewater treatment facilities, water contaminant source or point sources, shall, upon request by the Department, demonstrate that wastewater treatment equipment and facilities are effectively operated and maintained by competent personnel.
4. **Adverse Impact**

The permittee shall take all necessary steps to minimize any adverse impact to waters of the state resulting from noncompliance with any effluent limitations specified in this permit or set forth in the Missouri Clean Water Law and Regulations (hereinafter the Law and Regulations), including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

- a. Any bypass or shut down of a wastewater treatment facility and tributary sewer system or any part of such a facility and sewer system that results in a violation of permit limits or conditions is prohibited except:
    - (i) where unavoidable to prevent loss of life, personal injury, or severe property damages; and
    - (ii) where unavoidable excessive storm drainage or runoff would catastrophically damage any facilities or processes necessary for compliance with the effluent limitations and conditions of this permit;
    - (iii) where maintenance is necessary to ensure efficient operation and alternative measures have been taken to maintain effluent quality during the period of maintenance.
  - b. The permittee shall notify the Department in writing of all bypasses or shut down that result in a violation of permit limits or conditions. This section does not excuse any person from liability, unless such relief is otherwise provided by the statute.
6. **Removed Substances**  
Solids, sludges, filter backwash, or any other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in a manner such as to prevent any pollutants from entering waters of the state unless permitted by the Law, and a permanent record of the date and time, volume and methods of removal and disposal of such substances shall be maintained by the permittee.
  7. **Power Failures**  
In order to maintain compliance with the effluent limitations and other provisions of this permit, the permittee shall either:
    - a. in accordance with the "Schedule of Compliance", provide an alternative power source sufficient to operate the wastewater control facilities; or,
    - b. if such alternative power source is not in existence, and no date for its implementation appears in the Compliance Schedule, halt or otherwise control production and all discharges upon the reduction, loss, or failure of the primary source of power to the wastewater control facilities.
  8. **Right of Entry**  
For the purpose of inspecting, monitoring, or sampling the point source, water contaminant source, or wastewater treatment facility for compliance with the Clean Water Law and these regulations, authorized representatives of the Department, shall be allowed by the permittee, upon presentation of credentials and at reasonable times;
    - a. to enter upon permittee's premises in which a point source, water contaminant source, or wastewater treatment facility is located or in which any records are required to be kept under terms and conditions of the permit;
    - b. to have access to, or copy, any records required to be kept under terms and conditions of the permit;
    - c. to inspect any monitoring equipment or method required in the permit;
    - d. to inspect any collection, treatment, or discharge facility covered under the permit; and
    - e. to sample any wastewater at any point in the collection system or treatment process.
  9. **Permits Transferable**
    - a. Subject to Section (3) of 10 CSR 20-6.010 an operating permit may be transferred upon submission to the Department of an application to transfer signed by a new owner. Until such time as the permit is officially transferred, the original permittee remains responsible for complying with the terms and conditions of the existing permit.
    - b. The Department, within thirty (30) days of receipt of the application shall notify the new permittee of its intent to revoke and reissue or transfer the permit.
  10. **Availability of Reports**  
Except for data determined to be confidential under Section 308 of the Act, and the Law and Missouri Clean Water Commission Regulation for Public Participation, Hearings and Notice to Governmental Agencies 10 CSR 20-6.020, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Department. As required by statute, effluent data shall not be considered confidential. Knowingly making any false statement on any such report shall be subject to the imposition of criminal penalties as provided in Section 204.076 of the Law.
  - a. Subject to compliance with statutory requirements of the Law and Regulations and applicable Court Order, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:
    - (i) violation of any terms or conditions of this permit or the Law;
    - (ii) having obtained this permit by misrepresentation or failure to disclose fully any relevant facts;
    - (iii) a change in any circumstances or conditions that requires either a temporary or permanent reduction or elimination of the authorized discharge, or
    - (iv) any reason set forth in the Law and Regulations.
  - b. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
12. **Permit Modification - Less Stringent Requirements**  
If any permit provisions are based on legal requirements which are lessened or removed, and should no other basis exist for such permit provisions, the permit shall be modified after notice and opportunity for a hearing.
  13. **Civil and Criminal Liability**  
Except as authorized by statute and provided in permit conditions on "Bypassing" (Standard Condition B-5) and "Power Failures" (Standard Condition B-7) nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.
  14. **Oil and Hazardous Substance Liability**  
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Act, and the Law and Regulations. Oil and hazardous materials discharges must be reported in compliance with the requirements of the Federal Clean Water Act.
  15. **State Laws**  
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state statute or regulations.
  16. **Property Rights**  
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of or violation of federal, state or local laws or regulations.
  17. **Duty to Reapply**  
If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for a new permit 180 days prior to expiration of this permit.
  18. **Toxic Pollutants**  
If a toxic effluent standard, prohibition, or schedule of compliance is established, under Section 307(a) of the Federal Clean Water Act for a toxic pollutant in the discharge of permittee's facility and such standard is more stringent than the limitations in the permit, then the more stringent standard, prohibition, or schedule shall be incorporated into the permit as one of its conditions, upon notice to the permittee.
  19. **Signatory Requirement**  
All reports, or information submitted to the Director shall be signed (see 40 CFR-122.6).
  20. **Rights Not Affected**  
Nothing in this permit shall affect the permittee's right to appeal or seek a variance from applicable laws or regulations as allowed by law.
  21. **Severability**  
The provisions of this permit are severable, and if any provisions of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

MAR 27 2012

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3/27/12 (P)

MO-0136712



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
WATER PROTECTION PROGRAM, WATER POLLUTION CONTROL BRANCH  
FORM A - APPLICATION FOR CONSTRUCTION OR OPERATING PERMIT  
UNDER MISSOURI CLEAN WATER LAW

FOR AGENCY USE ONLY	
CHECK NUMBER	165215 AD
DATE RECEIVED	3/27/12
FEE SUBMITTED	\$1350.00

**Note** ▶ PLEASE READ THE ACCOMPANYING INSTRUCTIONS BEFORE COMPLETING THIS FORM.

1. This application is for:

An operating permit and antidegradation review public notice

A construction permit following an appropriate operating permit and antidegradation review public notice

A construction permit and concurrent operating permit and antidegradation review public notice

A construction permit (submitted before Aug. 30, 2008 or antidegradation review is not required)

An operating permit for a new or unpermitted facility Construction Permit # \_\_\_\_\_

An operating permit renewal: permit # MO- \_\_\_\_\_ Expiration Date \_\_\_\_\_

An operating permit modification: permit # MO- \_\_\_\_\_ Reason: \_\_\_\_\_

1.1 Is the appropriate fee included with the application? (See instructions for appropriate fee)  YES  NO

2. FACILITY

NAME: Ayers Oil Company

ADDRESS (PHYSICAL): 610 N. 4th Street

CITY: Canton

STATE: MO ZIP CODE: 63435

TELEPHONE WITH AREA CODE: (573) 288-4464

FAX: (573) 288-3153

3. OWNER

NAME: Ayers Oil Company

ADDRESS (MAILING): 610 N. 4th Street

CITY: Canton

STATE: MO ZIP CODE: 63435

TELEPHONE WITH AREA CODE: (573) 288-4464

FAX: (573) 288-3153

3.1 Request review of draft permit prior to public notice?  YES  NO

4. CONTINUING AUTHORITY

NAME: Ayers Oil Company

ADDRESS (MAILING): 610 N. 4th Street

CITY: Canton

STATE: MO ZIP CODE: 63435

TELEPHONE WITH AREA CODE: (573) 288-4464

FAX: (573) 288-3153

5. OPERATOR

NAME: Ayers Oil Company

ADDRESS (MAILING): 610 N. 4th Street

CITY: Canton

STATE: MO ZIP CODE: 63435

TELEPHONE WITH AREA CODE: (573) 288-4464

FAX: (573) 288-3153

6. FACILITY CONTACT

NAME: Kevin Cain

TITLE: Facilities Manager

TELEPHONE WITH AREA CODE: (573) 288-4464

FAX: (573) 288-3153

7. ADDITIONAL FACILITY INFORMATION

7.1 Legal Description of Outfalls. (Attach additional sheets if necessary.)

001 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 Sec \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_ Lewis County

UTM Coordinates Easting (X): 626475 Northing (Y): 4443776

For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83)

002 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 Sec \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_ Lewis County

UTM Coordinates Easting (X): 626311 Northing (Y): 4443791

003 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 Sec \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_ Lewis County

UTM Coordinates Easting (X): 626148 Northing (Y): 4443365

004 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 Sec \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_ Lewis County

UTM Coordinates Easting (X): 626174 Northing (Y): 4443355

7.2 Primary Standard Industrial Classification (SIC) and Facility North American Industrial Classification System (NAICS) Codes.

001 - SIC 5171 and NAICS 424710

002 - SIC 5171 and NAICS 424710

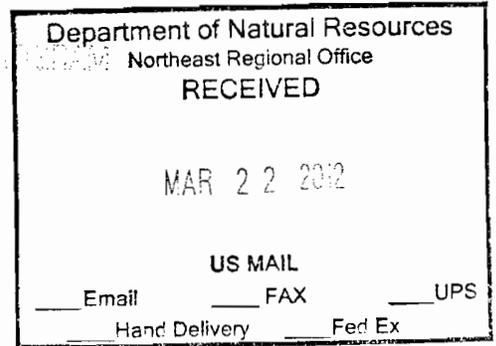
003 - SIC 5171 and NAICS 424710

004 - SIC 5171 and NAICS 424710

MAR 27 2012

March 19, 2012

Ms. Irene Crawford, Director  
Missouri Department of Natural Resources  
Division of Environmental Quality  
Northeast Regional Office  
1709 Propsect Drive  
Macon, MO 63552-2602



RE: Site-Specific Stormwater NPDES Permit

Dear Ms. Crawford:

Enclosed are Forms A and 2F for a stormwater permit, along with a permit application fee of \$1,350. Ayers Oil Company performs a petroleum storage and transfer operation at this facility. This site-specific stormwater permit application includes four outfalls as described below.

Outfall #001: There are two plugs on the western wall of the containment area for the east side of the plant, which contains several petroleum storage tanks (#1 through #11, additive tanks, slop tank, etc.) and petroleum transfer operations (two truck loading racks). When sufficient stormwater is collected in the concrete containment, either one of these plugs or both plugs are removed for the discharge of stormwater.

Outfall #002: This outfall consists of a valved discharge pipe that will discharge stormwater from the inter-connected containments for Tanks #14 and #15, drainage from the bottom-loading area from Tank #15, and surface drainage from the area near the office building.

Outfall #003: This outfall consists of a valved discharge from the containment area for Tank #17.

Outfall #004: This outfall consists of a valved discharge from the containment area for Tank #16.

For the purpose of this application, stormwater discharge from Outfall #001 was sampled and analyzed as it represents the worst-case discharge outfall. All four outfalls discharge to a stormwater pond, which drains into the City of Canton stormwater pump station to the Mississippi River.

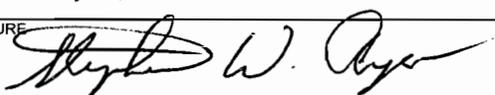
If you have any questions or need additional information, please contact Kevin Cain, Facilities Manager, at 573-288-4464.

Sincerely,

A handwritten signature in black ink, appearing to read "Stephen W. Ayers". The signature is fluid and cursive, with a large initial "S" and a long, sweeping tail.

Stephen W. Ayers, President  
Ayers Oil Company

Enclosures

<b>8. ADDITIONAL FORMS AND MAPS NECESSARY TO COMPLETE THIS APPLICATION</b> (Complete all forms that are applicable.)			
A.	Is your facility a manufacturing, commercial, mining or silviculture waste treatment facility? If yes, complete Form C (unless storm water only, then complete U.S. Environmental Protection Agency Form 2F per Item C below).	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
B.	Is your facility considered a "Primary Industry" under EPA guidelines: If yes, complete Forms C and D.	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
C.	Is application for storm water discharges only? If yes, complete EPA Form 2F.	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
D.	Attach a map showing all outfalls and the receiving stream at 1" = 2,000' scale.		
E.	Is wastewater land applied? If yes, complete Form I.	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
F.	Is sludge, biosolids, ash or residuals generated, treated, stored or land applied? If yes, complete Form R.	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
<b>9. DOWNSTREAM LANDOWNER(S)</b> Attach additional sheets as necessary. See Instructions. (PLEASE SHOW LOCATION ON MAP. SEE 8.D ABOVE).			
NAME City of Canton			
ADDRESS 106 North 5th Street		CITY Canton	STATE ZIP CODE MO 63435
10. I certify that I am familiar with the information contained in the application, that to the best of my knowledge and belief such information is true, complete and accurate, and if granted this permit, I agree to abide by the Missouri Clean Water Law and all rules, regulations, orders and decisions, subject to any legitimate appeal available to applicant under the Missouri Clean Water Law to the Missouri Clean Water Commission.			
NAME AND OFFICIAL TITLE (TYPE OR PRINT) Stephen W. Ayers, President		TELEPHONE WITH AREA CODE (573) 288-4466	
SIGNATURE 		DATE SIGNED 3/19/12	

MO 780-1479 (01-09)

**BEFORE MAILING, PLEASE ENSURE ALL SECTIONS ARE COMPLETED AND ADDITIONAL FORMS, IF APPLICABLE, ARE INCLUDED.**

Submittal of an incomplete application may result in the application being returned.

HAVE YOU INCLUDED:

- Appropriate Fees?
- Map at 1" = 2000' scale?
- Signature?
- Form C, if applicable?
- Form D, if applicable?
- Form 2F, if applicable?
- Form I (Irrigation), if applicable?
- Form R (Sludge), if applicable?

Department of Natural Resources Northeast Regional Office RECEIVED		
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___ Hand Delivery	___ Fed Ex	

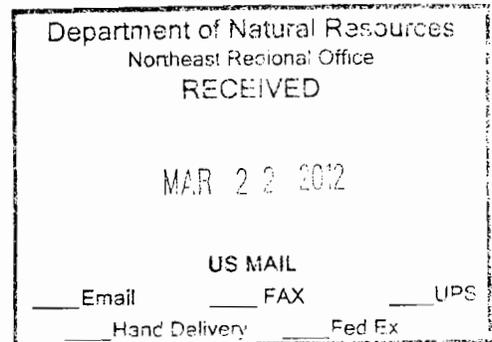
# Disclaimer

This is an updated PDF document that allows you to type your information directly into the form, print it, and save the completed form.

Note: This form can be viewed and saved only using Adobe Acrobat Reader version 7.0 or higher, or if you have the full Adobe Professional version.

**Instructions:**

1. Type in your information
2. Save file (if desired)
3. Print the completed form
4. Sign and date the printed copy
5. Mail it to the directed contact.





Continued from the Front

**IV. Narrative Description of Pollutant Sources**

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
001	0	77,729 sq. ft.			
002	15,470 sq. ft.	160,384 sq. ft.			
003	0	87,648 sq. ft.			
004	0	69,784 sq. ft.			

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas, and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

Discharges from Outfalls #001, #003, and #004 are from containment dikes for petroleum storage tanks and/or transfer operations. Valves/plugs are opened only if no sheen is present in the contained stormwater. Discharge from Outfall #002 consists of valved discharge from containment dikes for two petroleum storage tanks, bottom loading area from Tank #15, and surface drainage from area near the office building.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
001	Discharge from diked area (no treatment)	4 - A
002	Discharge from diked area (no treatment)	4 - A
003	Discharge from diked area (no treatment)	4 - A
004	Discharge from diked area (no treatment)	4 - A

**V. Nonstormwater Discharges**

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharged from these outfall(s) are identified in either an accompanying Form 2C or Form 2E application for the outfall.

Name and Official Title (type or print)	Signature	Date Signed

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

Outfalls #001, #003, and #004 stormwater outfalls listed in this eprmit application are discharges from diked areas around the petroleum storage and transfer operations. There are no process water/sanitary wastewater discharges associated with these outfalls. Outfall #002 receives valved discharge from the containment of two storage tanks and also surface drainage from areas near the office building. Based on visual survey, there are no process water discharges in the surface drainage area. Sanitary wastewater discharges from the office building are into the City of Canton sanitary sewers.

**VI. Significant Leaks or Spills**

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

None



**VII. Discharge Information**

A, B, C, & D: See instructions before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided.  
Table VII-A, VII-B, VII-C are included on separate sheets numbers VII-1 and VII-2.

E. Potential discharges not covered by analysis – is any toxic pollutant listed in table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

Yes (list all such pollutants below)

No (go to Section IX)

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Northeast Regional Office  
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**VIII. Biological Toxicity Testing Data**

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Yes (list all such pollutants below)

No (go to Section IX)

**IX. Contract Analysis Information**

Were any of the analyses reported in Item VII performed by a contract laboratory or consulting firm?

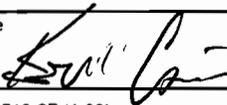
Yes (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

No (go to Section X)

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
ESC Lab Sciences	12065 Lebanon Road Mt. Juliet, TN 37122	615-758-5858	BOD, COD, Total Nitrogen, Nitrate-Nitrite, Total Phosphorus, Kjeldahl Nitrogen, Suspended Solids, Oil & Grease, Volatile organics, Surfactants (i.e., MBAS)
Ayers Oil Company	PO Box 229 Canton, MO 63435	573-288-4464	On Site Ph after 3 point calibration

**X. Certification**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title (Type Or Print) Kevin Cain Facilities Manager	B. Area Code and Phone No. (573) 288-4464
C. Signature 	D. Date Signed 03/19/2012





MAR 22 2012

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Hand Delivery \_\_\_\_\_ Fed Ex \_\_\_\_\_

## Instructions – Form 2F Application for Permit to Discharge Storm Water Associated with Industrial Activity

### Who Must File Form 2F

Form 2F must be completed by operators of facilities which discharge storm water associated with industrial activity or by operators of storm water discharges that EPA is evaluating for designation as a significant contributor of pollutants to waters of the United States, or as contributing to a violation of a water quality standard.

Operators of discharges which are composed entirely of storm water must complete Form 2F (EPA Form 3510-2F) in conjunction with Form 1 (EPA Form 3510-1).

Operators of discharges of storm water which are combined with process wastewater (process wastewater is water that comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, byproduct, waste product, or wastewater) must complete and submit Form 2F, Form 1, and Form 2C (EPA Form 3510-2C).

Operators of discharges of storm water which are combined with nonprocess wastewater (nonprocess wastewater includes noncontact cooling water and sanitary wastes which are not regulated by effluent guidelines or a new source performance standard, except discharges by educational, medical, or commercial chemical laboratories) must complete Form 1, Form 2F, and Form 2E (EPA Form 3510 2E).

Operators of new sources or new discharges of storm water associated with industrial activity which will be combined with other nonstormwater new sources or new discharges must submit Form 1, Form 2F, and Form 2D (EPA Form 3510-2D).

### Where to File Applications

The application forms should be sent to the EPA Regional Office which covers the State in which the facility is located. Form 2F must be used only when applying for permits in States where the NPDES permits program is administered by EPA. For facilities located in States which are approved to administer the NPDES permits program, the State environmental agency should be contacted for proper permit application forms and instructions.

Information on whether a particular program is administered by EPA or by a State agency can be obtained from your EPA Regional Office. Form 1, Table 1 of the "General Instructions" lists the addresses of EPA Regional Offices and the States within the jurisdiction of each Office.

### Completeness

Your application will not be considered complete unless you answer every question on this form and on Form 1. If an item does not apply to you, enter "NA" (for not applicable) to show that you considered the question.

### Public Availability of Submitted Information

You may not claim as confidential any information required by this form or Form 1, whether the information is reported on the forms or in an attachment. Section 402(j) of the Clean Water Act requires that all permit applications will be available to the public. This information will be made available to the public upon request.

Any information you submit to EPA which goes beyond that required by this form, Form 1, or Form 2C you may claim as confidential, but claims for information which are effluent data will be denied.

If you do not assert a claim of confidentiality at the time of submitting the information, EPA may make the information public without further notice to you. Claims of confidentiality will be handled in accordance with EPA's business confidentiality regulations at 40 CFR Part 2.

### Definitions

All significant terms used in these instructions and in the form are defined in the glossary found in the General Instructions which accompany Form 1.

### EPA ID Number

Fill in your EPA Identification Number at the top of each odd numbered page of Form 2F. You may copy this number directly from item I of Form 1.

**Item I**

You may use the map you provided for item XI of Form 1 to determine the latitude and longitude of each of your outfalls and the name of the receiving water.

**Item 11-A**

If you check "yes" to this question, complete all parts of the chart, or attach a copy of any previous submission you have made to EPA containing the same information.

**Item 11-B**

You are not required to submit a description of future pollution control projects if you do not wish to or if none is planned.

**Item III**

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map is unavailable) depicting the facility including:

each of its drainage and discharge structures;

the drainage area of each storm water outfall;

paved areas and building within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage or disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied;

each of its hazardous waste treatment, storage or disposal facilities (including each area not required to have a RCRA permit which is used for accumulating hazardous waste for less than 90 days under 40 CFR 262.34);

each well where fluids from the facility are injected underground; and

springs, and other surface water bodies which receive storm water discharges from the facility;

**Item IV-A**

For each outfall, provide an estimate of the area drained by the outfall which is covered by impervious surfaces. For the purpose of this application, impervious surfaces are surfaces where storm water runs off at rates that are significantly higher than background rates (e.g., predevelopment levels) and include paved areas, building roofs, parking lots, and roadways. Include an estimate of the total area (including all impervious and pervious areas) drained by each outfall. The site map required under item III can be used to estimate the total area drained by each outfall.

**Item IV-B**

Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored, or disposed in a manner to allow exposure to storm water; method of treatment, storage or disposal of these materials; past and present materials management practices employed, in the last three years, to minimize contact by these materials with storm water runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied. Significant materials should be identified by chemical name, form (e.g., powder, liquid, etc.), and type of container or treatment unit. Indicate any materials treated, stored, or disposed of together. "Significant materials" includes, but is not limited to: raw materials; fuels; materials such as solvents, detergents, and plastic pellets; finished materials such as metallic products; raw materials used in food processing or production; hazardous substances designated under Section 101 (14) of CERCLA; any chemical the facility is required to report pursuant to Section 313 of Title III of SARA; fertilizers; pesticides; and waste products such as ashes, slag and sludge that have the potential to be released with storm water discharges.

**Item IV-C**

For each outfall, structural controls include structures which enclose material handling or storage areas, covering materials, berms, dikes, or diversion ditches around manufacturing, production, storage or treatment units, retention ponds, etc. Nonstructural controls include practices such as spill prevention plans, employee training, visual inspections, preventive maintenance, and housekeeping measures that are used to prevent or minimize the potential for releases of pollutants.

#### **Item V**

Provide a certification that all outfalls that should contain storm water discharges associated with industrial activity have been tested or evaluated for the presence of non-storm water discharges which are not covered by an NPDES permit. Tests for such non-storm water discharges may include smoke tests, fluorometric dye tests, analysis of accurate schematics, as well as other appropriate tests. Part B must include a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test. All non-storm water discharges must be identified in a Form 2C or Form 2E which must accompany this application (see beginning of instructions under section titled "Who Must File Form 2F" for a description of when Form 2C and Form 2E must be submitted).

#### **Item VI**

Provide a description of existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years.

#### **Item VII-A, B, and C**

These items require you to collect and report data on the pollutants discharged for each of your outfalls. Each part of this item addresses a different set of pollutants and must be completed in accordance with the specific instructions for that part. The following general instructions apply to the entire item.

#### **General Instructions**

Part A requires you to report at least one analysis for each pollutant listed. Parts B and C require you to report analytical data in two ways. For some pollutants addressed in Parts B and C, if you know or have reason to know that the pollutant is present in your discharge, you may be required to list the pollutant and test (sample and analyze) and report the levels of the pollutants in your discharge. For all other pollutants addressed in Parts B and C, you must list the pollutant if you know or have reason to know that the pollutant is present in the discharge, and either report quantitative data for the pollutant or briefly describe the reasons the pollutant is expected to be discharged. (See specific instructions on the form and below for Parts A through C.) Base your determination that a pollutant is present in or absent from your discharge on your knowledge of your raw materials, material management practices, maintenance chemicals, history of spills and releases, intermediate and final products and byproducts, and any previous analyses known to you of your effluent or similar effluent.

**A. Sampling:** The collection of the samples for the reported analyses should be supervised by a person experienced in performing sampling of industrial wastewater or storm water discharges. You may contact EPA or your State permitting authority for detailed guidance on sampling techniques and for answers to specific questions. Any specific requirements contained in the applicable analytical methods should be followed for sample containers, sample preservation, holding times, the collection of duplicate samples, etc. The time when you sample should be representative, to the extent feasible, of your treatment system operating properly with no system upsets. Samples should be collected from the center of the flow channel, where turbulence is at a maximum, at a site specified in your present permit, or at any site adequate for the collection of a representative sample.

For pH, temperature, cyanide, total phenols, residual chlorine, oil and grease, and fecal coliform, grab samples taken during the first 30 minutes (or as soon thereafter as practicable) of the discharge must be used (you are not required to analyze a flow-weighted composite for these parameters). For all other pollutants both a grab sample collected during the first 30 minutes (or as soon thereafter as practicable) of the discharge and a flow-weighted composite sample must be analyzed. However, a minimum of one grab sample may be taken for effluents from holding ponds or other impoundments with a retention period of greater than 24 hours.

All samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches and at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. Where feasible, the variance in the duration of the event and the total rainfall of the event should not exceed 50 percent from the average or median rainfall event in that area.

A grab sample shall be taken during the first thirty minutes of the discharge (or as soon thereafter as practicable), and a flow-weighted composite shall be taken for the entire event or for the first three hours of the event.

Grab and composite samples are defined as follows:

**Grab sample:** An individual sample of at least 100 milliliters collected during the first thirty minutes (or as soon thereafter as practicable) of the discharge. This sample is to be analyzed separately from the composite sample.

**Flow-weighted Composite sample:** A flow-weighted composite sample may be taken with a continuous sampler that proportions the amount of sample collected with the flow rate or as a combination of a minimum of three sample aliquots taken in each hour of discharge for the entire event or for the first three hours of the event, with each aliquot being at least 100 milliliters and collected with a minimum period of fifteen minutes between aliquot collections. The composite must be flow proportional; either the time interval between each aliquot or the volume of each aliquot must be proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot. Aliquots may be collected manually or automatically. Where GC/MS Volatile Organic Analysis (VOA) is required, aliquots must be combined in the laboratory immediately before analysis. Only one analysis for the composite sample is required.

Data from samples taken in the past may be used, provided that:

All data requirements are met;

Sampling was done no more than three years before submission; and

All data are representative of the present discharge.

Among the factors which would cause the data to be unrepresentative are significant changes in production level, changes in raw materials, processes, or final products, and changes in storm water treatment. When the Agency promulgates new analytical methods in 40 CFR Part 136, EPA will provide information as to when you should use the new methods to generate data on your discharges. Of course, the Director may request additional information, including current quantitative data, if they determine it to be necessary to assess your discharges. The Director may allow or establish appropriate site-specific sampling procedures or requirements including sampling locations, the season in which the sampling takes place, the minimum duration between the previous measurable storm event and the storm event sampled, the minimum or maximum level of precipitation required for an appropriate storm event, the form of precipitation sampled (snow melt or rainfall), protocols for collecting samples under 40 CFR Part 136, and additional time for submitting data on a case-by-case basis.

**B. Reporting:** All levels must be reported as concentration and mass (note: grab samples are reported in terms of concentration). You may report some or all of the required data by attaching separate sheets of paper instead of filling out pages VII-1 and VII-2 if the separate sheets contain all the required information in a format which is constant with pages VII-1 and VII-2 in spacing and identification of pollutants and columns. Use the following abbreviations in the columns headed "Units."

Concentration		Mass	
ppm	parts per million	lbs	pounds
mg/l	milligrams per liter	ton	tons (English tons)
ppb	parts per billion	mg	milligrams
ug/l	micrograms per liter	g	grams
kg	kilograms	T	tonnes (metric tons)

All reporting of values for metals must be in terms of "total recoverable metal," unless:

(1) An applicable, promulgated effluent limitation or standard specifies the limitation for the metal in dissolved, valent, or total form; or

(2) All approved analytical methods for the metal inherently measure only its dissolved form (e.g., hexavalent chromium); or

(3) The permitting authority has determined that in establishing case-by-case limitations it is necessary to express the limitations on the metal in dissolved, valent, or total form to carry out the provisions of the CWA. If you measure only one grab sample and one flow-weighted composite

sample for a given outfall, complete only the "Maximum Values" columns and insert "1" into the "Number of Storm Events Sampled" column. The permitting authority may require you to conduct additional analyses to further characterize your discharges.

If you measure more than one value for a grab sample or a flow-weighted composite sample for a given outfall and those values are representative of your discharge, you must report them. You must describe your method of testing and data analysis. You also must determine the average of all values within the last year and report the concentration and mass under the "Average Values" columns, and the total number of storm events sampled under the "Number of Storm Events Sampled" columns.

- C. Analysis:** You must use test methods promulgated in 40 CFR Part 136; however, if none has been promulgated for a particular pollutant, you may use any suitable method for measuring the level of the pollutant in your discharge provided that you submit a description of the method or a reference to a published method. Your description should include the sample holding time, preservation techniques, and the quality control measures which you used. If you have two or more substantially identical outfalls, you may request permission from your permitting authority to sample and analyze only one outfall and submit the results of the analysis for other substantially identical outfalls. If your request is granted by the permitting authority, on a separate sheet attached to the application form, identify which outfall you did test, and describe why the outfalls which you did not test are substantially identical to the outfall which you did test.

#### **Part VII-A**

Part VII-A must be completed by all applicants for all outfalls who must complete Form 2F.

Analyze a grab sample collected during the first thirty minutes (or as soon thereafter as practicable) of the discharge and flow-weighted composite samples for all pollutants in this Part, and report the results except use only grab samples for pH and oil and grease. See discussion in General Instructions to Item VII for definitions of grab sample collected during the first thirty minutes of discharge and flow-weighted composite sample. The "Average Values" column is not compulsory but should be filled out if data are available.

#### **Part VII B**

List all pollutants that are limited in an effluent guideline which the facility is subject to (see 40 CFR Subchapter N to determine which pollutants are limited in effluent guidelines) or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See discussion in General instructions to item VII for definitions of grab sample collected during the first thirty minutes (or as soon thereafter as practicable) of discharge and flow-weighted composite sample. The "Average Values" column is not compulsory but should be filled out if data are available.

Analyze a grab sample collected during the first thirty minutes of the discharge and flow-weighted composite samples for all pollutants in this Part, and report the results, except as provided in the General Instructions.

#### **Part VII-C**

Part V11-C must be completed by all applicants for all outfalls which discharge storm water associated with industrial activity, or that EPA is evaluating for designation as a significant contributor of pollutants to waters of the United States, or as contributing to a violation of a water quality standard. Use both a grab sample and a composite sample for all pollutants you analyze for in this part except use grab samples for residual chlorine and fecal coliform. The "Average Values" column is not compulsory but should be filled out if data are available. Part C requires you to address the pollutants in Table 2F-2, 2F-3, and 2F-4 for each outfall. Pollutants in each of these Tables are addressed differently.

**Table 2F-2:** For each outfall, list all pollutants in Table 2F-2 that you know or have reason to believe are discharged (except pollutants previously listed in Part VII-B). If a pollutant is limited in an effluent guideline limitation which the facility is subject to, the pollutant must be analyzed and reported in Part VII-B. If a pollutant in Table 2F-2 is indirectly limited by an effluent guideline limitation through an indicator (e.g., use of TSS as an indicator to control the discharge of iron and aluminum), you must analyze for it and report the data in Part VII-B. For other pollutants listed in Table 2F-2 (those not limited directly or indirectly by an effluent limitation guideline), that you know or have reason to believe are discharged, you must either report quantitative data or briefly describe the reasons the pollutant is expected to be discharged.

**Table 2F-3:** For each outfall, list all pollutants in Table 2F-3 that you know or have reason to believe are discharged. For every pollutant in Table 2F-3 expected to be discharged in concentrations of 10 ppb or greater, you must submit quantitative data. For acrolein, acrylonitrile, 2,4 dinitrophenol, and 2-methyl-4,6 dinitrophenol, you must submit quantitative data if any of these four pollutants is expected to be discharged in concentrations of 100 ppb or greater. For every pollutant expected to be discharged in concentrations less than 10 ppb (or 100 ppb for the four pollutants listed above), then you must either submit quantitative data or briefly describe the reasons the pollutant is expected to be discharged.

**Small Business Exemption** - If you are a "small business," you are exempt from the reporting requirements for the organic toxic pollutants listed in Table 2F-3. There are two ways in which you can qualify as a small business". If your facility is a coal mine, and if your probable total annual production is less than 100,000 tons per year, you may submit past production data or estimated future production (such as a schedule of estimated total production under 30 CFR 795.14(c)) instead of conducting analyses for the organic toxic pollutants. If your facility is not a coal mine, and if your gross total annual sales for the most recent three years average less than \$100,000 per year (in second quarter 1980 dollars), you may submit sales data for those years instead of conducting analyses for the organic toxic pollutants. The production or sales data must be for the facility which is the source of the discharge. The data should not be limited to production or sales for the process or processes which contribute to the discharge, unless those are the only processes at your facility. For sales data, in situations involving intracorporate transfer of goods and services, the transfer price per unit should approximate market prices for those goods and services as closely as possible. Sales figures for years after 1980 should be indexed to the second quarter of 1980 by using the gross national product price deflator (second quarter of 1980=100). This index is available in National Income and Product Accounts of the United States (Department of Commerce, Bureau of Economic Analysis).

**Table 2F-4:** For each outfall, list any pollutant in Table 2F-4 that you know or believe to be present in the discharge and explain why you believe it to be present. No analysis is required, but if you have analytical data, you must report them. Note: Under 40 CFR 117.12(a)(2), certain discharges of hazardous substances (listed at 40 CFR 177.21 or 40 CFR 302.4) may be exempted from the requirements of section 311 of CWA, which establishes reporting requirements, civil penalties, and liability for cleanup costs for spills of oil and hazardous substances. A discharge of a particular substance may be exempted if the origin, source, and amount of the discharged substances are identified in the NPDES permit application or in the permit, if the permit contains a requirement for treatment of the discharge, and if the treatment is in place. To apply for an exclusion of the discharge of any hazardous substance from the requirements of section 311, attach additional sheets of paper to your form, setting forth the following information:

1. The substance and the amount of each substance which may be discharged.
2. The origin and source of the discharge of the substance.
3. The treatment which is to be provided for the discharge by;
  - a. An onsite treatment system separate from any treatment system treating your normal discharge;
  - b. A treatment system designed to treat your normal discharge and which is additionally capable of treating the amount of the substance identified under paragraph 1 above; or
  - c. Any combination of the above.

See 40 CFR 117.12(a)(2) and (c), published on August 29, 1979, in 44 FR 50766, or contact your Regional Office (Table I on Form 1, Instructions), for further information on exclusions from section 311.

#### **Part VII-D**

If sampling is conducted during more than one storm event, you only need to report the information requested in Part VII-D for the storm event(s) which resulted in any maximum pollutant concentration reported in Part VII-A, VII-B, or VII-C.

Provide flow measurements or estimates of the flow rate, and the total amount of discharge for the storm event(s) sampled, the method of flow measurement, or estimation. Provide the data and duration of the storm event(s) sampled, rainfall measurements, or estimates of the storm event which generated the sampled runoff and the duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event.

### Part VII-E

List any toxic pollutant listed in Tables 2F-2, 2F-3, or 2F-4 which you currently use or manufacture as an intermediate or final product or byproduct. In addition, if you know or have reason to believe that 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) is discharged or if you use or manufacture 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silvex, 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); then list TCDD. The Director may waive or modify the requirement if you demonstrate that it would be unduly burdensome to identify each toxic pollutant and the Director has adequate information to issue your permit. You may not claim this information as confidential; however, you do not have to distinguish between use or production of the pollutants or list the amounts.

### Item VIII

Self explanatory. The permitting authority may ask you to provide additional details after your application is received.

### Item X

The Clean Water Act provides for severe penalties for submitting false information on this application form.

Section 309(c)(4) of the Clean Water Act provides that "Any person who knowingly makes any false material statement, representation, or certification in any application, . . . shall upon conviction, be punished by a fine of not more than \$10,000 or by imprisonment for not more than 2 years, or by both. If a conviction of such person is for a violation committed after a first conviction of such person under this paragraph, punishment shall be by a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than 4 years, or by both." 40 CFR Part 122.22 requires the certification to be signed as follows:

**(A) For a corporation:** by a responsible corporate official. For purposes of this section, a responsible corporate official means (i) a president, secretary, treasurer, or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation or (ii) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25,000,000 (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

**Note:** EPA does not require specific assignments or delegation of authority to responsible corporate officers identified in 122.22(a)(1)(i) The Agency will presume that these responsible corporate officers have the requisite authority to sign permit applications unless the corporation has notified the Director to the contrary. Corporate procedures governing authority to sign permit applications may provide for assignment or delegation to applicable corporate position under 122.22(a)(1)(ii) rather than to specific individuals.

**(B) For a partnership or sole proprietorship:** by a general partner or the proprietor, respectively; or

**(C) For a municipality, State, Federal, or other public agency:** by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

**Table 2F-1  
Codes for Treatment Units**

**Physical Treatment Processes**

1-A	Ammonia Stripping	1-M	Grit Removal
1-B	Dialysis	1-N	Microstraining
1-C	Diatomaceous Earth Filtration	1-O	Mixing
1-D	Distillation	1-P	Moving Bed Filters
1-E	Electrodialysis	1-Q	Multimedia Filtration
1-F	Evaporation	1-R	Rapid Sand Filtration
1-G	Flocculation	1-S	Reverse Osmosis (Hyperfiltration)
1-H	Flotation	1-T	Screening
1-I	Foam Fractionation	1-U	Sedimentation (Setting)
1-J	Freezing	1-V	Slow Sand Filtration
1-K	Gas-Phase Separation	1-W	Solvent Extraction
1-L	Grinding (Comminutors)	1-X	Sorption

**Chemical Treatment Processes**

2-A	Carbon Adsorption	2-G	Disinfection (Ozone)
2-B	Chemical Oxidation	2-H	Disinfection (Other)
2-C	Chemical Precipitation	2-I	Electrochemical Treatment
2-D	Coagulation	2-J	Ion Exchange
2-E	Dechlorination	2-K	Neutralization
2-F	Disinfection (Chlorine)	2-L	Reduction

**Biological Treatment Processes**

3-A	Activated Sludge	3-E	Pre-Aeration
3-B	Aerated Lagoons	3-F	Spray Irrigation/Land Application
3-C	Anaerobic Treatment	3-G	Stabilization Ponds
3-D	Nitrification-Denitrification	3-H	Trickling Filtration

**Other Processes**

4-A	Discharge to Surface Water	4-C	Reuse/Recycle of Treated Effluent
4-B	Ocean Discharge Through Outfall	4-D	Underground Injection

**Sludge Treatment and Disposal Processes**

5-A	Aerobic Digestion	5-M	Heat Drying
5-B	Anaerobic Digestion	5-N	Heat Treatment
5-C	Belt Filtration	5-O	Incineration
5-D	Centrifugation	5-P	Land Application
5-E	Chemical Conditioning	5-Q	Landfill
5-F	Chlorine Treatment	5-R	Pressure Filtration
5-G	Composting	5-S	Pyrolysis
5-H	Drying Beds	5-T	Sludge Lagoons
5-I	Elutriation	5-U	Vacuum Filtration
5-J	Flotation Thickening	5-V	Vibration
5-K	Freezing	5-W	Wet Oxidation
5-L	Gravity Thickening		

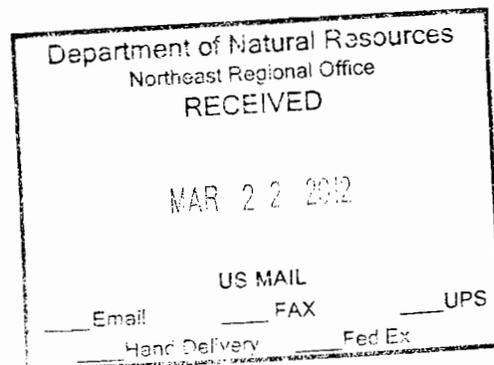
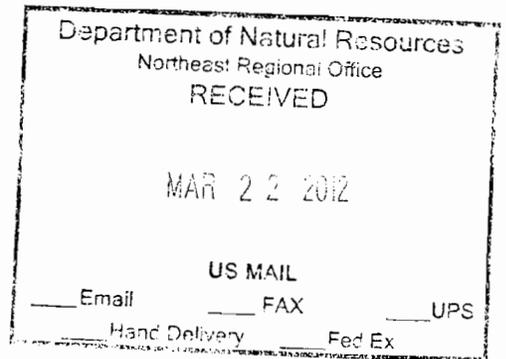


Table 2F-2

Conventional and Nonconventional Pollutants

Bromide  
Chlorine, Total Residual  
Color  
Fecal Coliform  
Fluoride  
Nitrate-Nitrite  
Nitrogen, Total Organic  
Oil and Grease  
Phosphorus, Total  
Radioactivity  
Sulfate  
Sulfite  
Surfactants  
Aluminum, Total  
Barium, Total  
Boron, Total  
Cobalt Total  
Iron, Total  
Magnesium, Total  
Molybdenum, Total  
Manganese, Total  
Tin, Total  
Titanium, Total



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US MAIL

Email \_\_\_\_\_ FAX \_\_\_\_\_ UPS \_\_\_\_\_  
 and Delivery \_\_\_\_\_ Fed Ex \_\_\_\_\_

**Table 2F-3**

**Toxic Pollutants**

**Toxic Pollutants and Total Phenol**

Antimony, Total  
 Arsenic, Total  
 Beryllium, Total  
 Cadmium, Total  
 Chromium, Total

Copper, Total  
 Lead, Total  
 Mercury, Total  
 Nickel, Total  
 Selenium, Total

Silver, Total  
 Thallium, Total  
 Zinc, Total  
 Cyanide, Total  
 Phenols, Total

**GC/MS Fraction Volatiles Compounds**

Acrolein  
 Acrylonitrile  
 Benzene  
 Bromoform  
 Carbon Tetrachloride  
 Chlorobenzene  
 Chlorodibromomethane  
 Chloroethane  
 2-Chloroethylvinyl Ether  
 Chloroform

Dichlorobromomethane  
 1,1-Dichloroethane  
 1,2-Dichloroethane  
 1,1-Dichloroethylene  
 1,2-Dichloropropane  
 1,3-Dichloropropylene  
 Ethylbenzene  
 Methyl Bromide  
 Methyl Chloride  
 Methylene Chloride

1,1,2,2-Tetrachloroethane  
 Tetrachloroethylene  
 Toluene  
 1,2-Trans-Dichloroethylene  
 1,1,1-Trichloroethane  
 1,1,2-Trichloroethane  
 Trichloroethylene  
 Vinyl Chloride

**Acid Compounds**

2-Chlorophenol  
 2,4-Dichlorophenol  
 2,4-Dimethylphenol  
 4,6-Dinitro-O-Cresol

2,4-Dinitrophenol  
 2-Nitrophenol  
 4-Nitrophenol  
 p-Chloro-M-Cresol

Pentachlorophenol  
 Phenol  
 2,4,6-Trichlorophenol  
 2-methyl-4,6 dinitrophenol

**Base/Neutral**

Acenaphthene  
 Acenaphthylene  
 Anthracene  
 Benzidine  
 Benzo(a)anthracene  
 Benzo(a)pyrene  
 3,4-Benzofluoranthene  
 Benzo(ghi)perylene  
 Benzo(k)fluoranthene  
 Bis(2-chloroethoxy)methane  
 Bis(2-chloroethyl)ether  
 Bis(2-chloroisopropyl)ether  
 Bis(2-ethylhexyl)phthalate  
 4-Bromophenyl Phenyl Ether  
 Butylbenzyl Phthalate

2-Chloronaphthalene  
 4-Chlorophenyl Phenyl Ether  
 Chrysene  
 Dibenzo(a,h)anthracene  
 1,2-Dichlorobenzene  
 1,3-Dichlorobenzene  
 1,4-Dichlorobenzene  
 3,3'-Dichlorobenzidine  
 Diethyl Phthalate  
 Dimethyl Phthalate  
 Di-N-Butyl Phthalate  
 2,4-Dinitrotoluene  
 2,6-Dinitrotoluene  
 Di-N-Octylphthalate  
 1,2-Diphenylhydrazine (as Azobenzene)

Fluoranthene  
 Fluorene  
 Hexachlorobenzene  
 Hexachlorobutadiene  
 Hexachloroethane  
 Indeno(1,2,3-cd)pyrene  
 Isophorone  
 Naphthalene  
 Nitrobenzene  
 N-Nitrosodimethylamine  
 N-Nitrosodi-N-Propylamine  
 N-Nitrosodiphenylamine  
 Phenanthrene  
 Pyrene  
 1,2,4-Trichlorobenzene

**Pesticides**

Aldrin  
 Alpha-BHC  
 Beta-BHC  
 Gamma-BHC  
 Delta-BHC  
 Chlordane  
 4,4'-DDT  
 4,4'-DDE  
 4,4'-DDD

Dieldrin  
 Alpha-Endosulfan  
 Beta-Endosulfan  
 Endosulfan Sulfate  
 Endrin  
 Endrin Aldehyde  
 Heptachlor  
 Heptachlor Epoxide  
 PCB-1242

PCB-1254  
 PCB-1221  
 PCB-1232  
 PCB-1248  
 PGB-1260  
 PCB-1016  
 Toxaphene

Table 2F-4

Hazardous Substances

Toxic Pollutant

Asbestos

Hazardous Substances

Acetaldehyde  
Allyl alcohol  
Allyl chloride  
Amyl acetate  
Aniline  
Benzonitrile  
Benzyl chloride  
Butyl acetate  
Butylamine  
Carbaryl  
Carbofuran  
Carbon disulfide  
Chlorpyrifos  
Coumaphos

Cresol  
Crotonaldehyde

Cyclohexane  
2,4-D (2,4-Dichlorophenoxyacetic acid)  
Diazinon  
Dicamba  
Dichlobenil  
Dichlone  
2,2-Dichloropropionic acid  
Dichlorvos  
Diethyl amine  
Dimethyl amine

Dinitrobenzene  
Diquat  
Disulfoton  
Diuron  
Epichlorohydrin  
Ethion  
Ethylene diamine  
Ethylene dibromide  
Formaldehyde  
Furfural  
Guthion  
Isoprene  
Isopropanolamine  
Kelthane

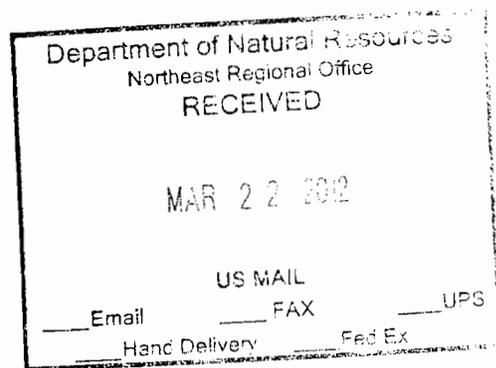
Kepone  
Malathion

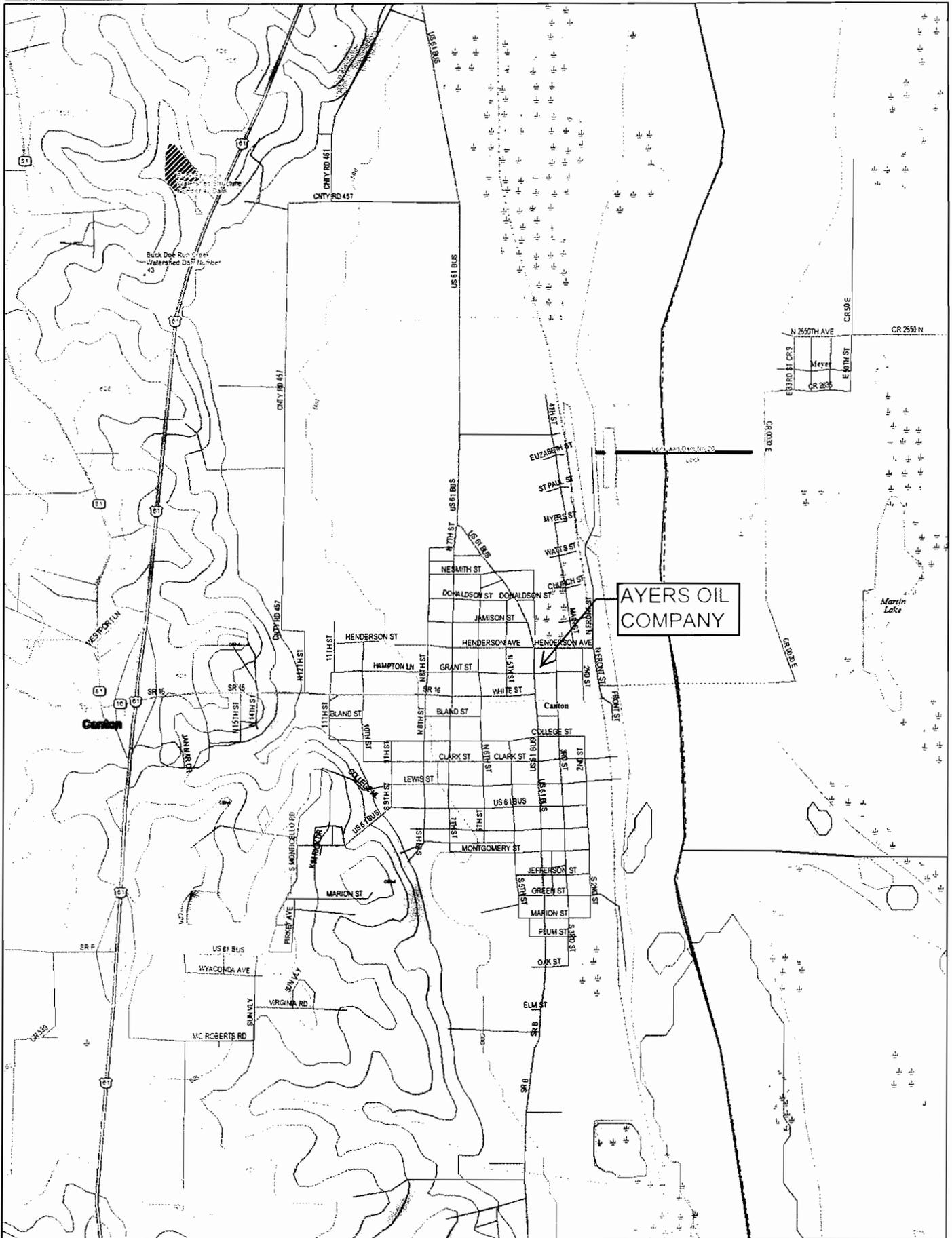
Mercaptodimethur  
Methoxychlor

Methyl mercaptan  
Methyl methacrylate  
Methyl parathion  
Mevinphos  
Mexacarbate  
Monoethyl amine  
Monomethyl amine  
Naled

Napthenic acid  
Nitrotoluene  
Parathion  
Phenolsulfonate  
Phosgene  
Propargite  
Propylene oxide  
Pyrethrins  
Quinoline  
Resorcinol  
Stronthium  
Strychnine  
Styrene  
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)  
TDE (Tetrachlorodiphenyl ethane)  
2,4,5-TP [2-(2,4,5-Trichlorophenoxy) propanoic acid]  
Trichlorofan  
Triethylamine

Trimethylamine  
Uranium  
Vanadium  
Vinyl acetate  
Xylene  
Xylenol  
Zirconium

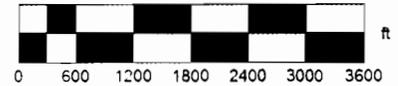
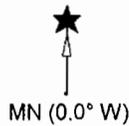




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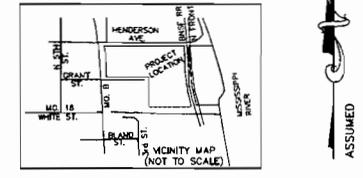
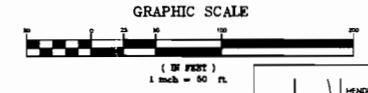
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Data Zoom 13-6

**BOUNDARY AND TOPOGRAPHIC SURVEY**  
 A TRACT OF LAND LYING IN HENDERSON'S ADDITION AND IN A PART OF THE SOUTHWEST QUARTER OF SECTION 25 AND THE SOUTHEAST QUARTER OF SECTION 26, ALL IN TOWNSHIP 62 NORTH, RANGE 6 WEST, ALL IN THE CITY OF CANTON, LEWIS COUNTY, MISSOURI.  
 (AS MADE FOR ROBERT AYERS)

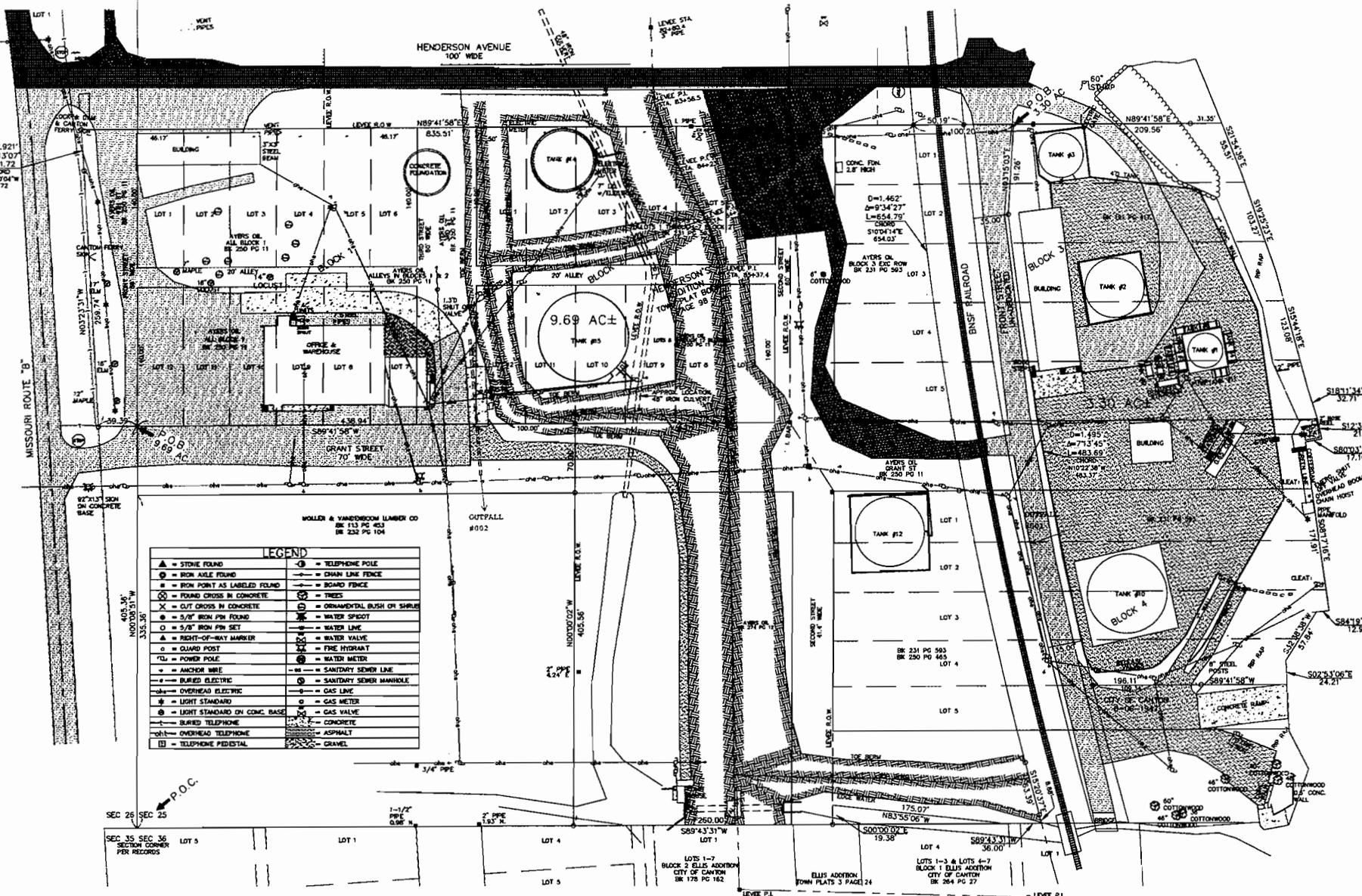


SUGGESTED DESCRIPTION - 9.69 ACRE TRACT  
 A TRACT OF LAND LYING IN A PART OF HENDERSON'S ADDITION AND LYING IN A PART OF THE SOUTHWEST QUARTER OF SECTION 25 AND IN THE SOUTHEAST QUARTER OF SECTION 26, ALL IN TOWNSHIP 62 NORTH, RANGE 6 WEST, IN THE CITY OF CANTON, LEWIS COUNTY, MISSOURI AND BEING MORE FULLY DESCRIBED AS FOLLOWS TO-WIT:

COMMENCING AT THE SECTION CORNER COMMON TO SECTIONS 25, 26, 35 AND 36, THENCE NORTH 00 DEGREES, 06 MINUTES AND 31 SECONDS WEST ALONG THE LINE COMMON TO SAID SECTIONS 25 AND 26 A DISTANCE OF 405.36 FEET TO THE SOUTHWEST CORNER OF BLOCK 1 OF SAID HENDERSON'S ADDITION ON THE NORTH LINE OF GRANT STREET AND THE TRUE POINT OF BEGINNING, THENCE SOUTH 89 DEGREES, 41 MINUTES AND 58 SECONDS WEST LEAVING SAID COMMON SECTION LINE AND ALONG THE NORTH LINE OF SAID GRANT STREET 38.39 FEET TO A 5/8" IRON PIN ON THE EAST RIGHT-OF-WAY OF MISSOURI ROUTE 31; THENCE NORTH 03 DEGREES, 23 MINUTES AND 31 SECONDS WEST LEAVING THE NORTH LINE OF SAID GRANT STREET AND ALONG SAID RIGHT-OF-WAY 256.74 FEET TO A 5/8" IRON PIN, THENCE NORTHERLY ALONG SAID RIGHT-OF-WAY AND ALONG A 2.921 DEGREE CURVE TO THE LEFT HAVING A CENTRAL ANGLE OF 01 DEGREE, 13 MINUTES AND 07 SECONDS, AN ARC LENGTH OF 41.72 FEET AND A CHORD OF NORTH 04 DEGREES, 00 MINUTES AND 04 SECONDS WEST 41.72 FEET TO A 5/8" IRON PIN ON THE SOUTH LINE OF SAID HENDERSON AVENUE, THENCE NORTH 89 DEGREES, 41 MINUTES AND 58 SECONDS EAST LEAVING SAID RIGHT-OF-WAY AND ALONG THE SOUTH LINE OF SAID HENDERSON AVENUE AND ALONG THE NORTH LINE OF BLOCKS 1, 2 AND 3 OF SAID HENDERSON'S ADDITION 833.51 FEET TO A 5/8" IRON PIN ON THE WEST RIGHT-OF-WAY OF THE BIHS RAILROAD, THENCE SOUTHWEST ALONG THE SOUTH LINE OF SAID HENDERSON AVENUE AND THE NORTH LINE OF SAID BLOCK 3 AND ALONG THE WEST RIGHT-OF-WAY OF SAID BIHS RAILROAD AND ALONG A 1.462 DEGREE CURVE TO THE LEFT HAVING A CENTRAL ANGLE OF 09 DEGREES, 14 MINUTES AND 27 SECONDS, AN ARC LENGTH OF 104.79 FEET AND A CHORD OF SOUTH 10 DEGREES, 04 MINUTES AND 14 SECONDS EAST 854.03 FEET TO A 5/8" IRON PIN, THENCE SOUTH 15 DEGREES, 20 MINUTES AND 37 SECONDS WEST ALONG SAID RIGHT-OF-WAY 63.59 FEET TO A POINT ON THE SOUTH LINE OF SAID SECTION 25 AND ALONG THE NORTH LINE OF ELLIS ADDITION IN THE CITY OF CANTON FROM WHICH A 5/8" IRON PIN BEARS NORTH FROM DEGREES, 20 MINUTES AND 37 SECONDS WEST 8.98 FEET, THENCE SOUTH 89 DEGREES, 43 MINUTES AND 31 SECONDS WEST ALONG SAID SOUTH LINE AND SAID NORTH LINE OF SAID SECTION 25 AND SAID NORTH LINE OF GRANT STREET 100.00 FEET EAST OF THE SOUTHWEST CORNER OF BLOCK 2 OF SAID HENDERSON'S ADDITION, THENCE SOUTH 89 DEGREES, 41 MINUTES AND 58 SECONDS WEST ALONG SAID SOUTH LINE AND SAID NORTH LINE OF SAID SECTION 25 AND SAID NORTH LINE OF GRANT STREET 100.00 FEET EAST OF THE SOUTHWEST CORNER OF BLOCK 2 OF SAID HENDERSON'S ADDITION, THENCE SOUTH 89 DEGREES, 41 MINUTES AND 58 SECONDS WEST ALONG SAID SOUTH LINE AND SAID NORTH LINE OF SAID SECTION 25 AND SAID NORTH LINE OF GRANT STREET 100.00 FEET EAST OF THE SOUTHWEST CORNER OF BLOCK 2 OF SAID HENDERSON'S ADDITION, THENCE SOUTH 89 DEGREES, 41 MINUTES AND 58 SECONDS WEST ALONG SAID SOUTH LINE AND SAID NORTH LINE OF SAID SECTION 25 AND SAID NORTH LINE OF GRANT STREET 100.00 FEET EAST OF THE SOUTHWEST CORNER OF BLOCK 2 OF SAID HENDERSON'S ADDITION, CONTAINING 0.89 ACRES, MORE OR LESS, WITH THE ABOVE DESCRIBED BEING SUBJECT TO EASEMENTS AND RIGHTS-OF-WAY OF RECORD OR NOT OF RECORD, IF ANY, AS PER SURVEY #07-197-1 OF JOHN D. JAMES, MISSOURI PROFESSIONAL LAND SURVEYOR #2544 DURING MAY OF 2009.

SUGGESTED DESCRIPTION - 3.30 ACRE TRACT  
 A TRACT OF LAND LYING IN A PART OF HENDERSON'S ADDITION AND LYING IN A PART OF THE SOUTHWEST QUARTER OF SECTION 25 TOWNSHIP 62 NORTH, RANGE 6 WEST, IN THE CITY OF CANTON, LEWIS COUNTY, MISSOURI AND BEING MORE FULLY DESCRIBED AS FOLLOWS TO-WIT:

COMMENCING AT THE SECTION CORNER COMMON TO SECTIONS 25, 26, 35 AND 36, THENCE NORTH 00 DEGREES, 06 MINUTES AND 31 SECONDS WEST ALONG THE LINE COMMON TO SAID SECTIONS 25 AND 26 A DISTANCE OF 405.36 FEET TO THE SOUTHWEST CORNER OF BLOCK 1 OF SAID HENDERSON'S ADDITION ON THE NORTH LINE OF GRANT STREET, THENCE SOUTH 89 DEGREES, 41 MINUTES AND 58 SECONDS WEST LEAVING SAID COMMON SECTION LINE AND ALONG THE NORTH LINE OF SAID GRANT STREET 38.39 FEET TO A 5/8" IRON PIN ON THE EAST RIGHT-OF-WAY OF MISSOURI ROUTE 31; THENCE NORTH 03 DEGREES, 23 MINUTES AND 31 SECONDS WEST LEAVING THE NORTH LINE OF SAID GRANT STREET AND ALONG SAID RIGHT-OF-WAY 256.74 FEET TO A 5/8" IRON PIN, THENCE NORTHERLY ALONG SAID RIGHT-OF-WAY AND ALONG A 2.921 DEGREE CURVE TO THE LEFT HAVING A CENTRAL ANGLE OF 01 DEGREE, 13 MINUTES AND 07 SECONDS, AN ARC LENGTH OF 41.72 FEET AND A CHORD OF NORTH 04 DEGREES, 00 MINUTES AND 04 SECONDS WEST 41.72 FEET TO A 5/8" IRON PIN ON THE SOUTH LINE OF HENDERSON AVENUE, THENCE NORTH 89 DEGREES, 41 MINUTES AND 58 SECONDS EAST LEAVING SAID RIGHT-OF-WAY AND ALONG THE SOUTH LINE OF SAID HENDERSON AVENUE AND ALONG THE NORTH LINE OF BLOCKS 1, 2 AND 3 OF SAID HENDERSON'S ADDITION 833.51 FEET TO A 5/8" IRON PIN ON THE WEST RIGHT-OF-WAY OF THE BIHS RAILROAD, THENCE SOUTHWEST ALONG THE SOUTH LINE OF SAID HENDERSON AVENUE AND THE NORTH LINE OF SAID BLOCK 3 AND ALONG THE WEST RIGHT-OF-WAY OF SAID BIHS RAILROAD, THENCE SOUTH 10 DEGREES, 04 MINUTES AND 14 SECONDS EAST 854.03 FEET TO A 5/8" IRON PIN, THENCE SOUTH 15 DEGREES, 20 MINUTES AND 37 SECONDS WEST ALONG SAID RIGHT-OF-WAY 63.59 FEET TO A POINT ON THE SOUTH LINE OF SAID SECTION 25 AND ALONG THE NORTH LINE OF ELLIS ADDITION IN THE CITY OF CANTON FROM WHICH A 5/8" IRON PIN BEARS NORTH FROM DEGREES, 20 MINUTES AND 37 SECONDS WEST 8.98 FEET, THENCE SOUTH 89 DEGREES, 43 MINUTES AND 31 SECONDS WEST ALONG SAID SOUTH LINE AND SAID NORTH LINE OF SAID SECTION 25 AND SAID NORTH LINE OF GRANT STREET 100.00 FEET EAST OF THE SOUTHWEST CORNER OF BLOCK 2 OF SAID HENDERSON'S ADDITION, THENCE SOUTH 89 DEGREES, 41 MINUTES AND 58 SECONDS WEST ALONG SAID SOUTH LINE AND SAID NORTH LINE OF SAID SECTION 25 AND SAID NORTH LINE OF GRANT STREET 100.00 FEET EAST OF THE SOUTHWEST CORNER OF BLOCK 2 OF SAID HENDERSON'S ADDITION, THENCE SOUTH 89 DEGREES, 41 MINUTES AND 58 SECONDS WEST ALONG SAID SOUTH LINE AND SAID NORTH LINE OF SAID SECTION 25 AND SAID NORTH LINE OF GRANT STREET 100.00 FEET EAST OF THE SOUTHWEST CORNER OF BLOCK 2 OF SAID HENDERSON'S ADDITION, CONTAINING 0.89 ACRES, MORE OR LESS, WITH THE ABOVE DESCRIBED BEING SUBJECT TO EASEMENTS AND RIGHTS-OF-WAY OF RECORD OR NOT OF RECORD, IF ANY, AS PER SURVEY #07-197-1 OF JOHN D. JAMES, MISSOURI PROFESSIONAL LAND SURVEYOR #2544 DURING MAY OF 2009.



**LEGEND**

▲ = STONE FOUND	○ = TELEPHONE POLE
● = IRON NAIL FOUND	— = CHAIN LINE FENCE
■ = IRON POINT AS LABELED FOUND	— = BOARD FENCE
○ = FOUND CROSS IN CONCRETE	○ = TREES
✕ = CUT CROSS IN CONCRETE	○ = ORNAMENTAL BUSH OR SHRUB
○ = 5/8" IRON PIN FOUND	○ = WATER SPIGOT
○ = 5/8" IRON PIN SET	— = WATER LINE
▲ = RIGHT-OF-WAY MARKER	— = WATER VALVE
○ = GUARD POST	○ = FIRE HYDRANT
○ = POWER POLE	— = WATER METER
— = ANCHOR WIRE	— = SANITARY SEWER LINE
— = BURIED ELECTRIC	○ = SANITARY SEWER MANHOLE
— = OVERHEAD ELECTRIC	○ = GAS LINE
○ = LIGHT STANDARD	○ = GAS METER
— = BURIED TELEPHONE	○ = GAS VALVE
— = OVERHEAD TELEPHONE	— = CONCRETE
□ = TELEPHONE PEDISTAL	— = ASPHALT
	— = GRAVEL

THIS PLAN AS A RESULT OF SURVEY MADE UNDER MY DIRECT SUPERVISION DURING MAY OF 2009 REPRESENTS A TRUE AND ACCURATE RECORD OF SAID SURVEY AND WAS EXECUTED IN ACCORDANCE WITH THE CURRENT MINIMUM STANDARDS FOR (URBAN) PROPERTY BOUNDARY SURVEYS OF THE MISSOURI DEPARTMENT OF NATURAL RESOURCES.

THIS SURVEY WAS PERFORMED WITHOUT BENEFIT OF A CURRENT TITLE INSURANCE COMMITMENT. THE ONLY SEARCH PERFORMED WAS BY ME AND ONLY FOR CURRENT CHECKS OF RECORDS.

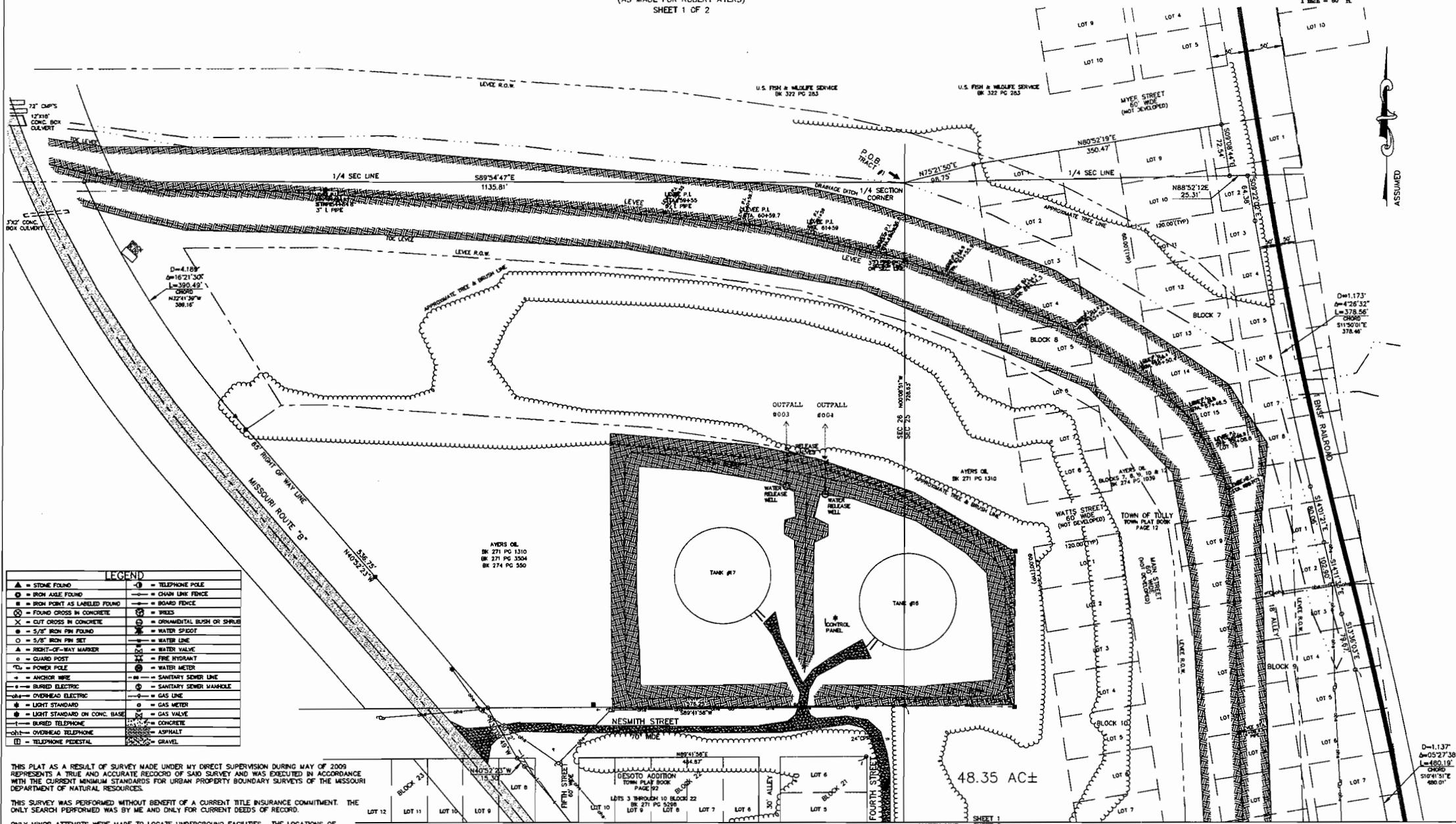
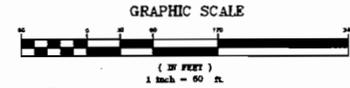
ONLY MINOR ATTEMPTS WERE MADE TO LOCATE UNDERGROUND FACILITIES. THE LOCATIONS OF UNDERGROUND FACILITIES SHOULD BE CONSIDERED AS APPROXIMATE, AND INCOMPLETE.

CHANGES MADE ON 05-05-11 WERE MADE PER REQUEST OF OWNER AND NO FIELD CHECKS WERE MADE.

REVISED 05-05-11  
 REMOVED DOWNGRADED BUILDING  
 CHANGED MARKERS FROM TANK #13 TO TANK #15  
 BK 433 07-197-1



**BOUNDARY AND TOPOGRAPHIC SURVEY**  
 A TRACT OF LAND LYING IN A PART OF THE TOWN OF TULLY, DESOTO ADDITION AND LYING IN THE  
 WEST HALF OF SECTION 25 AND THE SOUTHEAST QUARTER OF SECTION 26, ALL IN TOWNSHIP 62 NORTH,  
 RANGE 6 WEST, ALL IN THE CITY OF CANTON, LEWIS COUNTY, MISSOURI.  
 (AS MADE FOR ROBERT AYERS)  
 SHEET 1 OF 2



LEGEND	
▲ = STONE FOUND	⊙ = TELEPHONE POLE
⊙ = IRON AXLE FOUND	— = CHAIN LINK FENCE
■ = IRON POINT AS LABELED FOUND	— = BOARD FENCE
⊗ = FOUND CROSS IN CONCRETE	⊙ = WELLS
⊗ = CUT CROSS IN CONCRETE	⊙ = ORNAMENTAL BUSH OR SHRUB
⊙ = 5/8" IRON PIN FOUND	⊙ = WATER SPIGOT
⊙ = 5/8" IRON PIN SET	— = WATER LINE
▲ = RIGHT-OF-WAY MARKER	⊙ = WATER VALVE
⊙ = GUARD POST	⊙ = FIRE HYDRANT
⊙ = POWER POLE	⊙ = WATER METER
— = ANCHOR BOLT	— = SANITARY SEWER LINE
— = BURIED ELECTRIC	⊙ = SANITARY SEWER MANHOLE
— = OVERHEAD ELECTRIC	— = GAS LINE
⊙ = LIGHT STANDARD	⊙ = GAS METER
⊙ = LIGHT STANDARD ON CONC. BASE	⊙ = GAS VALVE
— = BURIED TELEPHONE	— = CONCRETE
— = OVERHEAD TELEPHONE	— = ASPHALT
⊙ = TELEPHONE PEDESTAL	— = GRAVEL

THIS PLAT AS A RESULT OF SURVEY MADE UNDER MY DIRECT SUPERVISION DURING MAY OF 2009 REPRESENTS A TRUE AND ACCURATE RECORD OF SAID SURVEY AND WAS EXECUTED IN ACCORDANCE WITH THE CURRENT MINIMUM STANDARDS FOR URBAN PROPERTY BOUNDARY SURVEYS OF THE MISSOURI DEPARTMENT OF NATURAL RESOURCES.

THIS SURVEY WAS PERFORMED WITHOUT BENEFIT OF A CURRENT TITLE INSURANCE COMMITMENT. THE ONLY SEARCH PERFORMED WAS BY ME AND ONLY FOR CURRENT DEEDS OF RECORD.

ONLY MINOR ATTEMPTS WERE MADE TO LOCATE UNDERGROUND FACILITIES. THE LOCATIONS OF UNDERGROUND FACILITIES SHOULD BE CONSIDERED AS APPROXIMATE AND INCOMPLETE.

JOHN D. JAMES, PLS #2354 - MISSOURI

