

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, 92nd Congress) as amended,

Permit No. MO-0004952

Owner: AK Steel Corporation
Address: 9227 Centre Point Drive, West Chester, OH 45069

Continuing Authority: Same as above
Address: Same as above

Facility Name: AK Steel Corporation
Address: 7000 Winner Road, Kansas City, MO 64125

Legal Description: See pages 2-5
Latitude/Longitude: See pages 2-5

Receiving Stream: See pages 2-5
First Classified Stream and ID: See pages 2-5
USGS Basin & Sub-watershed No.: See pages 2-5

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

FACILITY DESCRIPTION

Industry –SIC #6512- No Certified Operator Required

All Outfalls

No treatment/stormwater runoff/ ground water infiltration.
Actual flow is dependent upon rainfall.

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 644.051.6 of the Law.

February 11, 2010
Effective Date

July 21, 2014
Modification Date


Sara Parker Pauley, Director, Department of Natural Resources

February 10, 2015
Expiration Date


John Madras, Director, Water Protection Program

FACILITY DESCRIPTION (Continued)

Outfall #003

Legal Description: NE ¼, SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906356 /-09429581
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #004

Legal Description: NE ¼, SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906354/-09429580
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #006

Legal Description: NE ¼, SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906319/-09429456
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #007

Legal Description: NE ¼, SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906344/-09429557
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #008

Legal Description: NE ¼, SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906340/-09429549
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #009

Legal Description: NE ¼, SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906339/-09429544
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #010

Legal Description: NE ¼, SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906335/-09429532
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #011

Legal Description: NE ¼, SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906331/-09429510
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

FACILITY DESCRIPTION (Continued)

Outfall #013

Legal Description: SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906327/-09429494
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #014

Legal Description: SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906326/-09429485
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #016

Legal Description: SE ¼, Sec. 31, T50N, R32W, Jackson County
Latitude/Longitude: +3906256/-09429426
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #050 (Facility has this listed as 017A*)

Legal Description: SW ¼, Sec. 31, T50N, R32W, Jackson County
Latitude/Longitude: +3906186/-09429441
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #051 (Facility has this listed as 017B*)

Legal Description: NE ¼, Sec. 01, T49N, R33W, Jackson County
Latitude/Longitude: +3906157/-09429472
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #018

Legal Description: NW ¼, Sec. 31, T50N, R32W, Jackson County
Latitude/Longitude: +3906248/-09429424
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #020

Legal Description: SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906183/-09429471
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #021

Legal Description: SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906189/-09429469
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

FACILITY DESCRIPTION (Continued)

Outfall #023

Legal Description: SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906173/-09429483
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #024

Legal Description: SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906174/-09429485
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #025

Legal Description: SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906168/-09429488
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #052 (Facility has this listed as 025B*) – Eliminated May 16, 2014, now on property of Custom Truck Equipment (CTE) and covered under general stormwater permit MO-R203456.

Outfall #026 – Eliminated May 16, 2014, now on property of Custom Truck Equipment (CTE) and covered under general stormwater permit MO-R203456.

Outfall #053 (Facility has this listed as 027A*) – Eliminated May 16, 2014, now on property of Custom Truck Equipment (CTE) and covered under general stormwater permit MO-R203456.

Outfall #054 (Facility has this listed as 027B*) – Eliminated May 16, 2014, now on property of Custom Truck Equipment (CTE) and covered under general stormwater permit MO-R203456.

Outfall #055 (Facility has this listed as 027C*) – Eliminated May 16, 2014, now on property of Custom Truck Equipment (CTE) and covered under general stormwater permit MO-R203456.

Outfall #056 (Facility has this listed as 027D*) – Eliminated May 16, 2014, now on property of Custom Truck Equipment (CTE) and covered under general stormwater permit MO-R203456.

Outfall #030

Legal Description: NW ¼, Sec. 06, T49N, R32W, Jackson County
Latitude/Longitude: +3906081/-09429411
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #047

Legal Description: SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906408/-09429585
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

FACILITY DESCRIPTION (Continued)

Outfall #048

Legal Description: SE ¼, Sec. 29, T50N, R32W, Jackson County
Latitude/Longitude: +3907128/-09428046
Receiving Stream: Rock Creek (U)
First Classified Stream and ID: Missouri River (P) (00356)
USGS Basin & Sub-watershed No.: 10300101-050003

Outfall #049

Legal Description: NW ¼, Sec. 32, T50N, R32W, Jackson County
Latitude/Longitude: +3906519/-09428345
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

* Please note that the outfalls with letters have been changed to numerical characters only, due to the department's database system.
Please ensure that when submitting information for the discharge monitoring reports that it reflects the new numbering system.

The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The interim effluent limitations shall become effective upon issuance and remain in effect until ninety days (**3 months**) from the date of issuance of this permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:

OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	INTERIM EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfall (s) 003, 008, 010, 011, 013, 014, 050, 047, 049</u> (See Fact Sheet Part IV for comments)						
Flow	MGD	*		*	once/quarter***	24 hr. est.
Total Suspended Solids	mg/L	*		*	once/quarter***	grab****
pH – Units	SU	*		*	once/quarter***	grab****
Oil & Grease	mg/L	*		*	once/quarter***	grab****
Iron, Total Recoverable	µg/L	*		*	once/quarter***	grab****
Lead, Total Recoverable	µg/L	*		*	once/quarter***	grab****
Arsenic, Total Recoverable	µg/L	*		*	once/quarter***	grab****

MONITORING REPORTS SHALL BE SUBMITTED QUARTERLY; THE FIRST REPORT IS DUE April 28, 2010. THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

B. STANDARD CONDITIONS

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

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

* Monitoring requirement only.

*** Sample once per quarter in any month when there is a discharge. 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

**** A representative grab sample shall be collected after a rainfall which results in a discharge.

The final effluent limitations shall become effective ninety days (**3 months**) from the date of issuance of this permit 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 (s) 003, 008, 010, 011, 013, 014, 050, 047, 049</u>						
Flow	MGD	*		*	once/quarter***	24 hr. est.
Total Suspended Solids	mg/L	70		50	once/quarter***	grab****
pH – Units	SU	**		**	once/quarter***	grab****
Oil & Grease	mg/L	15		10	once/quarter***	grab****
Iron, Total Recoverable	µg/L	*		*	once/quarter***	grab****
Lead, Total Recoverable	µg/L	*		*	once/quarter***	grab****
Arsenic, Total Recoverable	µg/L	*		*	once/quarter***	grab****

MONITORING REPORTS SHALL BE SUBMITTED QUARTERLY; THE FIRST REPORT IS DUE July 28, 2010. THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

B. STANDARD CONDITIONS

IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED Parts I STANDARD CONDITIONS DATED October 1, 1980 and August 15, 1994, AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- * Monitoring requirement only.
- ** 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.
- *** Sample once per quarter in any month when there is a discharge. 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

**** A representative grab sample shall be collected after a rainfall which results in a discharge.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS				PAGE NUMBER 8 of 11		
				PERMIT NUMBER MO-0004952		
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 (s) 004, 006, 007, 009, 016, 018, 020, 021, 023, 024, 025, 030, 048, 051</u>						
Flow	MGD	*		*	once/quarter***	24 hr. est.
Total Suspended Solids	mg/L	70		50	once/quarter***	grab****
pH – Units	SU	**		**	once/quarter***	grab****
Oil & Grease	mg/L	15		10	once/quarter***	grab****
Iron, Total Recoverable	µg/L	*		*	once/quarter***	grab****
Lead, Total Recoverable	µg/L	*		*	once/quarter***	grab****
Arsenic, Total Recoverable	µg/L	*		*	once/quarter***	grab****
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>April 28, 2010</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Parts I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- * Monitoring requirement only.
- ** 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.
- *** Sample once per quarter in any month when there is a discharge. 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

**** A representative grab sample shall be collected after a rainfall which results in a discharge.

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.
4. Report as no-discharge when a discharge does not occur during the report period.
 5. Water Quality Standards
 - (a) 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. When samples cannot be taken because the river stage prevents discrete sampling, the permittee must document that the river stage elevation exceeded the outfall invert elevation during the specified sampling month for the quarter in the discharge monitoring report.
7. The permittee shall develop and implement a Storm Water Pollution Prevention Plan (SWPPP). The SWPPP must be prepared within 30 days and implemented within 90 days of permit issuance. The SWPPP must be kept on-site and should not be sent to DNR unless specifically requested. The permittee shall select, install, use, operate, and maintain the Best Management Practices prescribed in the SWPPP in accordance with the concepts and methods described in the following document:

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.

The SWPPP must include the following:

- (a) An assessment of all storm water discharges associated with vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication), equipment cleaning, and chemical deicing/anti-icing activities. This must include a list of potential contaminants and an annual estimate of amounts that will be used in the described activities.
 - (b) A listing of specific Best Management Practices (BMPs) and a narrative explaining how BMPs will be implemented to control and minimize the amount of potential contaminants that may enter storm water. Minimum BMPs are listed in SPECIAL CONDITIONS #8 below.
 - (c) The SWPPP must include a schedule for a once per month site inspection and a brief written report. The inspections must include observation and evaluation of BMP effectiveness, deficiencies, and corrective measures that will be taken. Deficiencies must be corrected within seven days. Inspection reports must be kept on site with the SWPPP. These must be made available to DNR personnel upon request.
 - (d) A provision for designating an individual to be responsible for environmental matters.
 - (e) A provision for providing training to all personnel involved in material handling and storage, and housekeeping of maintenance and cleaning areas. Proof of training shall be submitted on request of DNR.
8. 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.
 9. All fueling facilities present on the site shall adhere to applicable federal and state regulations concerning underground storage, above ground storage, and dispensers, including spill prevention, control and counter measures.
 10. Before releasing water 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, and at a minimum of once/quarter, this water must be tested for all hydrocarbon parameters listed in Effluent Limitations and Monitoring Requirements. Water shall be taken to a WWTP for treatment before release if it does not meet state requirements.
 11. Substances, regulated by federal law under the Resource Conservation and Recovery Act (RCRA) and Comprehensive Environmental Response, Compensation, and Liability Act (CERLA), that are transported, stored, or used for maintenance, cleaning or repair, shall be managed according to RCRA and CERLA.

PERMIT TRANSFER

This permit may be transferred to a new owner by submitting an “Application for Transfer of Operating Permit” signed by the seller and buyer of the facility, along with the appropriate modification fee.

PERMIT RENEWAL REQUIREMENTS

Unless this permit is terminated, the permittee shall submit an application for the renewal of this permit no later than six (6) months prior to the permit’s expiration date. Failure to apply for renewal may result in termination of this permit and enforcement action to compel compliance with this condition and the Missouri Clean Water Law.

TERMINATION

In order to terminate this permit, the permittee shall notify the department by submitting Form J, included with the State Operating Permit. The permittee shall complete Form J and mail it to the department at the address noted in the cover letter of this permit. Proper closure of any storage structure is required prior to permit termination. A closure plan shall be submitted to the department and approved prior to initiating closure activities.

DUTY OF COMPLIANCE

The permittee shall comply with all conditions of this permit. Any noncompliance with this permit constitutes a violation of Chapter 644, Missouri Clean Water Law, and 10 CSR 20-6. Noncompliance may result in enforcement action, termination of this authorization, or denial of the permittee's request for renewal.

Missouri Department of Natural Resources
Statement of Basis
#MO-0004952
AK Steel Corporation

This Statement of Basis (Statement) gives pertinent information regarding minor/simple modification(s) to the above listed operating permit without the need for a public comment process.

A Statement is not an enforceable part of a Missouri State Operating Permit.

Part I – Facility Information

Facility Type: Industrial
Facility SIC Code(s): #6512

Facility Description:

No treatment/stormwater runoff/ ground water infiltration.
Actual flow is dependent upon rainfall.

For detailed facility description, please see the Fact Sheet below.

Part II – Modification Rationale

This operating permit is hereby modified to reflect the removal of several outfalls from the permit. Outfalls #026, #052, #053, #054, #055 and #056 are now of the property of Custom Truck and Equipment (CTE) and are covered under the stormwater general permit MO-R203456. A site-visit was conducted by Kansas City Regional Office (KCRO) to confirm that the outfalls are now on the property of CTE and are no longer the responsibility of AK Steel Corporation. The report of the site visit concludes that the outfalls should be eliminated from this permit. This report can be viewed upon request.

Additionally, the owner address has been updated in accordance with the modification application submitted to the Department. The address listed on the application is as follows: 9227 Centre Point Drive, West Chester, OH 45069. The old address was listed as follows: 5050 Section Ave., Cincinnati, OH 45212-2025. These changes have been updated in the permit and the Department's database.

No other changes were made at this time.

For additional information regarding the permit, please review the Fact Sheet below.

Part III – 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.

Date of Statement of Basis: July 14, 2014

COMPLETED BY:

LOGAN COLE, ENVIRONMENTAL SPECIALIST
MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM
OPERATING PERMITS SECTION - INDUSTRIAL UNIT
(573) 751-5827
logan.cole@dnr.mo.gov

Missouri Department of Natural Resources
FACT SHEET
FOR THE PURPOSE OF RENEWAL
OF
MO-0004952
AK STEEL CORPORATION

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:

- Major
- Minor
- Industrial Facility
- Variance
- Master General Permit
- General Permit Covered Facility
- And/or permit with widespread public interest

Part I – Facility Information

Facility Type: IND
Facility SIC Code(s): 6512 (operators of non-residential buildings)

Facility Description:

No treatment/stormwater runoff/ ground water infiltration.
Actual flow is dependent upon rainfall.

This facility formerly hot rolled steel bars and produced billets. All operations have ceased and the facility now conducts warehousing operations only. Operations include warehousing for scrap metal and steel products. No pesticides, herbicides, soil conditioners or fertilizers are applied.

Heritage Environmental Services, LLC is contracted to conduct laboratory analysis.
Facility contact: Carl Batliner, General Manager; 513-425-2289

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

No

Application Date: May 3, 2007
Expiration Date: October 3, 2007

On October 21, 2009, GPS readings for each of the outfalls were provided by Burns and McDonnell on behalf of the facility.

OUTFALL(S) TABLE:

OUTFALL	DESIGN FLOW (CFS)	TREATMENT LEVEL	EFFLUENT TYPE	DISTANCE TO CLASSIFIED SEGMENT (MI)
003-049	NA	NA	Stormwater	0
048	NA	NA	Stormwater	1.49

Outfall #003

Legal Description: NE ¼, SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906356 /-09429581
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #004

Legal Description: NE ¼, SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906354/-09429580
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #006

Legal Description: NE ¼, SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906319/-09429456
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #007

Legal Description: NE ¼, SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906344/-09429557
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #008

Legal Description: NE ¼, SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906340/-09429549
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #009

Legal Description: NE ¼, SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906339/-09429544
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #010

Legal Description: NE ¼, SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906335/-09429532
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #011

Legal Description: NE ¼, SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906331/-09429510
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #013

Legal Description: SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906327/-09429494
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #014

Legal Description: SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906326/-09429485
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #016

Legal Description: SE ¼, Sec. 31, T50N, R32W, Jackson County
Latitude/Longitude: +3906256/-09429426
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #050 (Facility has this listed as 017A*)

Legal Description: SW ¼, Sec. 31, T50N, R32W, Jackson County
Latitude/Longitude: +3906186/-09429441
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #051 (Facility has this listed as 017B*)

Legal Description: NE ¼, Sec. 01, T49N, R33W, Jackson County
Latitude/Longitude: +3906157/-09429472
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #018

Legal Description: NW ¼, Sec. 31, T50N, R32W, Jackson County
Latitude/Longitude: +3906248/-09429424
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #020

Legal Description: SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906183/-09429471
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #021

Legal Description: SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906189/-09429469
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #023

Legal Description: SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906173/-09429483
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #024

Legal Description: SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906174/-09429485
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #025

Legal Description: SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906168/-09429488
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #052 (Facility has this listed as 025B*)

Legal Description: NE ¼, Sec. 01, T49N, R33W, Jackson County
Latitude/Longitude: +3906154/-09429505
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #026

Legal Description: NE ¼, Sec. 01, T49N, R33W, Jackson County
Latitude/Longitude: +3906082/-09429535
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #053 (Facility has this listed as 027A*)

Legal Description: NE ¼, Sec. 01, T49N, R33W, Jackson County
Latitude/Longitude: +3906069/-09429540
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #054 (Facility has this listed as 027B*)

Legal Description: NE ¼, Sec. 01, T49N, R33W, Jackson County
Latitude/Longitude: +3906067/-09429540
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #055 (Facility has this listed as 027C*)

Legal Description: NE ¼, Sec. 01, T49N, R33W, Jackson County
Latitude/Longitude: +3906065/-09429540
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #056 (Facility has this listed as 027D*)

Legal Description: NE ¼, Sec. 01, T49N, R33W, Jackson County
Latitude/Longitude: +3906064/-09429536
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #030

Legal Description: NW ¼, Sec. 06, T49N, R32W, Jackson County
Latitude/Longitude: +3906081/-09429411
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #047

Legal Description: SE ¼, Sec. 36, T50N, R33W, Jackson County
Latitude/Longitude: +3906408/-09429585
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

Outfall #048

Legal Description: SE ¼, Sec. 29, T50N, R32W, Jackson County
Latitude/Longitude: +3907128/-09428046
Receiving Stream: Rock Creek (U)
First Classified Stream and ID: Missouri River (P) (00356)
USGS Basin & Sub-watershed No.: 10300101-050003

Outfall #049

Legal Description: NW ¼, Sec. 32, T50N, R32W, Jackson County
Latitude/Longitude: +3906519/-09428345
Receiving Stream: Blue River (P)
First Classified Stream and ID: Blue River (P) (00417) 2006 303(d) List
USGS Basin & Sub-watershed No.: 10300101-010070

* Please note that the outfalls with letters have been changed to numerical characters only, due to the department’s database system. Please ensure that when submitting information for the discharge monitoring reports that it reflects the new numbering system.

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

Outfall 006 exceeded TSS in September 2007 and March 2008; Outfall 020 exceeded TSS in September 2006 & September 2007, exceeded Oil & Grease September 2007; Outfall 023 exceeded pH in March 2004; Outfall 024 exceeded pH in March 2004.

Comments:

Blue River is listed on the 2008 305(b) impaired stream water quality report for bacteria which originates from urban non-point sources.

This facility has been given monitoring only, for an interim period of ninety days from the effective date of the permit, before final limits take place. Outfalls 003, 008, 010, 011, 013, 014, 050, 052, 053, 054, 055, 056, 047, 049 in the previous permit did not require sampling; therefore, the facility has no historic data on the discharges for these outfalls. The facility has requested that they be given time to collect stormwater samples and flow data in order to evaluate what types of Best Management Practices would be necessary to ensure compliance with the final effluent limits. The facility would also utilize the extended time period to determine if they would be able to reduce the number of outfalls. The facility has submitted a timeline to show their actions during the ninety day interim period. The department has agreed to give the facility this additional time for the above mentioned outfalls.

Part II – Operator Certification Requirements

As per [10 CSR 20-6.010(8) Terms and Conditions of a Permit], permittees shall operate and maintain facilities to comply with the Missouri Clean Water Law and applicable permit conditions and regulations. Operators or supervisors of operations at regulated wastewater treatment facilities shall be certified in accordance with [10 CSR 20-9.020(2)] and any other applicable state law or regulation. As per [10 CSR 20-9.010(2)(A)], requirements for operation by certified personnel shall apply to all wastewater treatment systems, if applicable, as listed below:

- Owned or operated by or for:
 - Municipalities
 - Public Sewer District
 - County
 - Public Water Supply Districts
 - Private sewer company regulated by the Public Service Commission
 - State or Federal agencies

Each of the above entities are only applicable if they have a Population Equivalent greater than two hundred (200) and/or fifty (50) or more service connections.

This facility is not required to have a certified operator.

Part III – 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 1st 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*	8-DIGIT HUC	EDU**
Blue River	P	00417	LWW, AQL, IND WBC- B***	10300101	Central Plains/ Blackwater/ Lamine
Rock Creek	U	NA	General Criteria	10300101	Central/Plains/ Blackwater/Lamine
Missouri River	P	00356	LWW, AQL, IND, SCR, DWS, IND,WBC-B***	10300101	Central Plains/ Blackwater/Lamine

* - 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).

** - Ecological Drainage Unit

*** - UAA has not been conducted.

RECEIVING STREAM(S) LOW-FLOW VALUES TABLE:

RECEIVING STREAM (U, C, P)	LOW-FLOW VALUES (CFS)		
	1Q10	7Q10	30Q10
Blue River (P)	10.28	12.79	18.99
Rock Creek (U)	0	0	0

MIXING CONSIDERATIONS TABLE:

MIXING ZONE (CFS) [10 CSR 20-7.031(4)(A)...]		ZONE OF INITIAL DILUTION (CFS) [10 CSR 20-7.031(4)(A)...]	
7Q10	30Q10	1Q10	7Q10
NA	NA	0.26	0.32

Mixing Zone: Not Allowed [10 CSR 20-7.031(4)(A)4.B.(I)(a)]. Acute criteria must be met.

RECEIVING STREAM MONITORING REQUIREMENTS:

No receiving water monitoring requirements recommended at this time.

Part IV – 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.

All limits in this Factsheet are at least as protective as those previously established; therefore, backsliding does not apply.

ANTIDegradation:

In accordance with Missouri's Water Quality Standard [10 CSR 20-7.031(2)], the department is to document by means of Antidegradation Review that the use of a water body's available assimilative capacity is justified. Degradation is justified by documenting the socio-economic importance of a discharging activity after determining the necessity of the discharge.

Renewal no degradation proposed and no further review necessary.

AREA-WIDE WASTE TREATMENT MANAGEMENT & CONTINUING AUTHORITY:

As per [10 CSR 20-6.010(3)(B)], ...An applicant may utilize a lower preference continuing authority by submitting, as part of the application, a statement waiving preferential status from each existing higher preference authority, providing the waiver does not conflict with any area-wide management plan approved under section 208 of the Federal Clean Water Act or any other regional sewage service and treatment plan approved for higher preference authority by the department.

BIO-SOLIDS, SLUDGE, & SEWAGE SLUDGE:

Bio-solids are solid materials resulting from wastewater treatment that meet federal and state criteria for beneficial uses (i.e. fertilizer). Sludge is any solid, semi-solid, or liquid waste generated from a municipal, commercial, or industrial wastewater treatment plant, water supply treatment plant, or air pollution control facility or any other such waste having similar characteristics and effect. Sewage sludge is solids, semi-solids, or liquid residue generated during the treatment of domestic sewage in a treatment works; including but not limited to, domestic septage; scum or solids removed in primary, secondary, or advanced wastewater treatment process; and a material derived from sewage sludge. Sewage sludge does not include ash generated during the firing of sewage sludge in a sewage sludge incinerator or grit and screening generated during preliminary treatment of domestic sewage in a treatment works.

Not Applicable

This condition is not applicable to the permittee for this specific facility at this time. This facility retains the sludge in the lagoon. The facility has not reported any sludge removal nor indicated the type of sludge disposal. This permit is a renewal and in the previous permit cycle the facility has been approved to land apply; therefore if the facility does need to remove sludge and chooses to land apply then the facility must notify the department in writing 60 days prior to sludge removal and must then follow the requirements under Standard Conditions Part III.

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.

PRETREATMENT PROGRAM:

The reduction of the amount of pollutants, the elimination of pollutants, or the alteration of the nature of pollutant properties in wastewater prior to or in lieu of discharging or otherwise introducing such pollutants into a Publicly Owned Treatment Works [40 CFR Part 403.3(q)].

Pretreatment programs are required at any POTW (or combination of POTW operated by the same authority) and/or municipality with a total design flow greater than 5.0 MGD and receiving industrial wastes that interfere with or pass through the treatment works or are otherwise subject to the pretreatment standards. Pretreatment programs can also be required at POTWs/municipals with a design flow less than 5.0 MGD if needed to prevent interference with operations or pass through.

Several special conditions pertaining to the permittee's pretreatment program may be included in the permit, and are as follows:

- Implementation and enforcement of the program,
- Annual pretreatment report submittal,
- Submittal of list of industrial users,
- Technical evaluation of need to establish local limitations, and
- Submittal of the results of the evaluation

Not Applicable

The permittee, at this time, is not required to have a Pretreatment Program or does not have an approved pretreatment program.

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.

In accordance with [40 CFR Part 122.44(d)(iii)] if the permit writer determines that any give pollutant has the reasonable potential to cause, or contribute to an in-stream excursion above the WQS, the permit must contain effluent limits for that pollutant.

Not Applicable

A RPA was not conducted for this facility.

REMOVAL EFFICIENCY:

Removal efficiency is a method by which the Federal Regulations define Secondary Treatment and Equivalent to Secondary Treatment, which applies to Biochemical Oxygen Demand 5-day (BOD₅) and Total Suspended Solids (TSS) for Publicly Owned Treatment Works (POTWs)/municipals. Please see the United States Environmental Protection Agency's (EPA) website for interpretation of percent removal requirements for National Pollutant Discharge Elimination System Permit Application Requirements for Publicly Owned Treatment Works and Other Treatment Works Treating Domestic Sewage @ www.epa.gov/fedrgstr/EPA-WATER/1999/August/Day-04/w18866.htm.

Not Applicable

Influent monitoring is not being required to determine percent removal.

SANITARY SEWER OVERFLOWS (SSOs), BYPASSES, INFLOW & INFILTRATION (I&I) – PREVENTION/REDUCTION:

Sanitary Sewer Systems (SSSs) are municipal wastewater collection system that convey domestic, commercial, and industrial wastewater, and limited amounts of infiltrated groundwater and storm water (i.e. I&I), to a POTW. SSSs are not designed to collect large amounts of storm water runoff from precipitation events.

Untreated or partially treated discharges from SSSs are commonly referred to as SSOs. SSOs have a variety of causes including blockages, line breaks, sewer defects that allow excess storm water and ground water to overload the system, lapses in sewer system operation and maintenance, inadequate sewer design and construction, power failures, and vandalism. A SSOs is defined as an untreated or partially treated sewage release from a SSS. SSOs can occur at any point in an SSS, during dry weather or wet weather. SSOs include overflows that reach waters of the state. SSOs also include overflows out of manholes and onto city streets, sidewalks, and other terrestrial locations. SSSs can back up into buildings, including private residences. When sewage backups are caused by problems in the publicly-owned portion of an SSS, they are considered SSOs.

Not Applicable

This facility is not required to develop or implement a program for maintenance and repair of the collection system; however, it is a violation of Missouri State Environmental Laws and Regulations to allow untreated wastewater to discharge to waters of the state.

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:

As per [10 CSR 20-2.010(78)], the amount of pollutant each discharger is allowed by the department to release into a given stream after the department has determined total amount of pollutant that may be discharged into that stream without endangering its water quality.

Not Applicable

Wasteload allocations were not calculated.

WLA MODELING:

There are two general types of effluent limitations, technology-based effluent limits (TBELs) and water quality based effluent limits (WQBELs). If TBELs do not provide adequate protection for the receiving waters, then WQBEL must be used.

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

Applicable

Blue River is listed on the (2004/2006) Missouri 303(d) List for bacteria. The source of this pollutant is urban runoff.

The facility is not considered to be a source of the above listed pollutant(s) or considered to contribute to the impairment of the reference waterbody.

Part V – Effluent Limits Determination

All Outfall(s)

EFFLUENT LIMITATIONS TABLE:

PARAMETER	UNIT	BASIS FOR LIMITS	DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MODIFIED	PREVIOUS PERMIT LIMITATIONS
FLOW	GPD	1	*		*	NO	
TSS	MG/L	1	70		50	NO	
pH	SU	1	6.5-9.0		6.5-9.0	YES	6.0-9.0
OIL & GREASE (MG/L)	MG/L	2/3	15		10	NO	
IRON, TOTAL RECOVERABLE	µg/L	2/3	*		*	NO	
LEAD, TOTAL RECOVERABLE	µg/L	2/3	*		*	YES	**
ARSENIC, TOTAL RECOVERABLE	µg/L	2/3	*		*	YES	**
MONITORING FREQUENCY	Minimum Sampling is QUARTERLY and Reporting Frequency Requirements is QUARTERLY						

* - Monitoring requirement only.

** - Parameter not previously established in previous state operating permit.

Basis for Limitations Codes:

- | | |
|--|------------------------------------|
| 1. State or Federal Regulation/Law | 7. Antidegradation Policy |
| 2. Water Quality Standard (includes RPA) | 8. Water Quality Model |
| 3. Water Quality Based Effluent Limits | 9. Best Professional Judgment |
| 4. Lagoon Policy | 10. TMDL or Permit in lieu of TMDL |
| 5. Ammonia Policy | 11. WET Test Policy |
| 6. Dissolved Oxygen Policy | 12. Antidegradation Review |
| | 13. Dissolved Oxygen Policy |

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 (TSS).** Effluent limitations from the previous state operating permit have been reassessed and verified that they are still protective of the receiving stream's Water Quality. Therefore, effluent limitations have been retained from previous state operating permit, please see the **APPLICABLE DESIGNATION OF WATERS OF THE STATE** sub-section of the **Receiving Stream Information**.
- **pH.** Effluent limitation range is from 6.5 to 9.0 Standard pH Units (SU), as per [10 CSR 20-7.031(4)(E).] pH is not to be averaged.
- **Oil & Grease.** Conventional pollutant, effluent limitation for protection of aquatic life; 10 mg/L monthly average, 15 mg/L daily maximum.

Metals

Effluent limitations for total recoverable metals were developed using methods and procedures outlined in EPA/505/2-90-001 and "The Metals Translator: Guidance For Calculating A Total Recoverable Permit Limit From A Dissolved Criterion" (EPA 823-B-96-007). General warm-water fishery criteria apply and water hardness = 162 mg/L.

Due to the absence of contemporaneous effluent and instream data for total recoverable metals, dissolved metals, hardness, and total suspended solids with which to calculate metals translators, partitioning between the dissolved and absorbed phases was assumed to be minimal (Section 5.7.3, EPA/505/2-90-001). Freshwater criteria conversion factors for dissolved metals were used as the metals translator as recommended in guidance (Section 1.3, 1.5.3, and Table 1, EPA 823-B-96-007). If concurrent site-specific data for total recoverable metals, dissolved metals, hardness, and total suspended solids are provided to the department, partitioning evaluations may be considered and site-specific translators developed.

- **Iron, Total Recoverable.** The previous state operating permit for this facility required monitoring for this parameter. Monitoring has been retained since the facility warehouses scrap metal and steel products. There is no conversion factor from dissolved to total recoverable for Iron; therefore [10 CSR 20-7.031 Table A] is the criteria. No mixing allowed; therefore the criteria = the WLA. Iron is listed only for chronic toxicity criteria. Protection of AQL criteria = 1000 µg/L.
- **Lead, Total Recoverable.** Monitoring has been retained so at the next permit renewal it can be determined if the reasonable potential to violate water quality standards exists.
- **Arsenic, Total Recoverable.** Monitoring has been included so at the next permit renewal it can be determined if the reasonable potential to violate water quality standards exists.

Part VI – 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.

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.

For persons wanting to submit comments regarding this proposed operating permit, then please refer to the Public Notice page located at the front of this draft operating permit. The Public Notice page gives direction on how and where to submit appropriate comments.

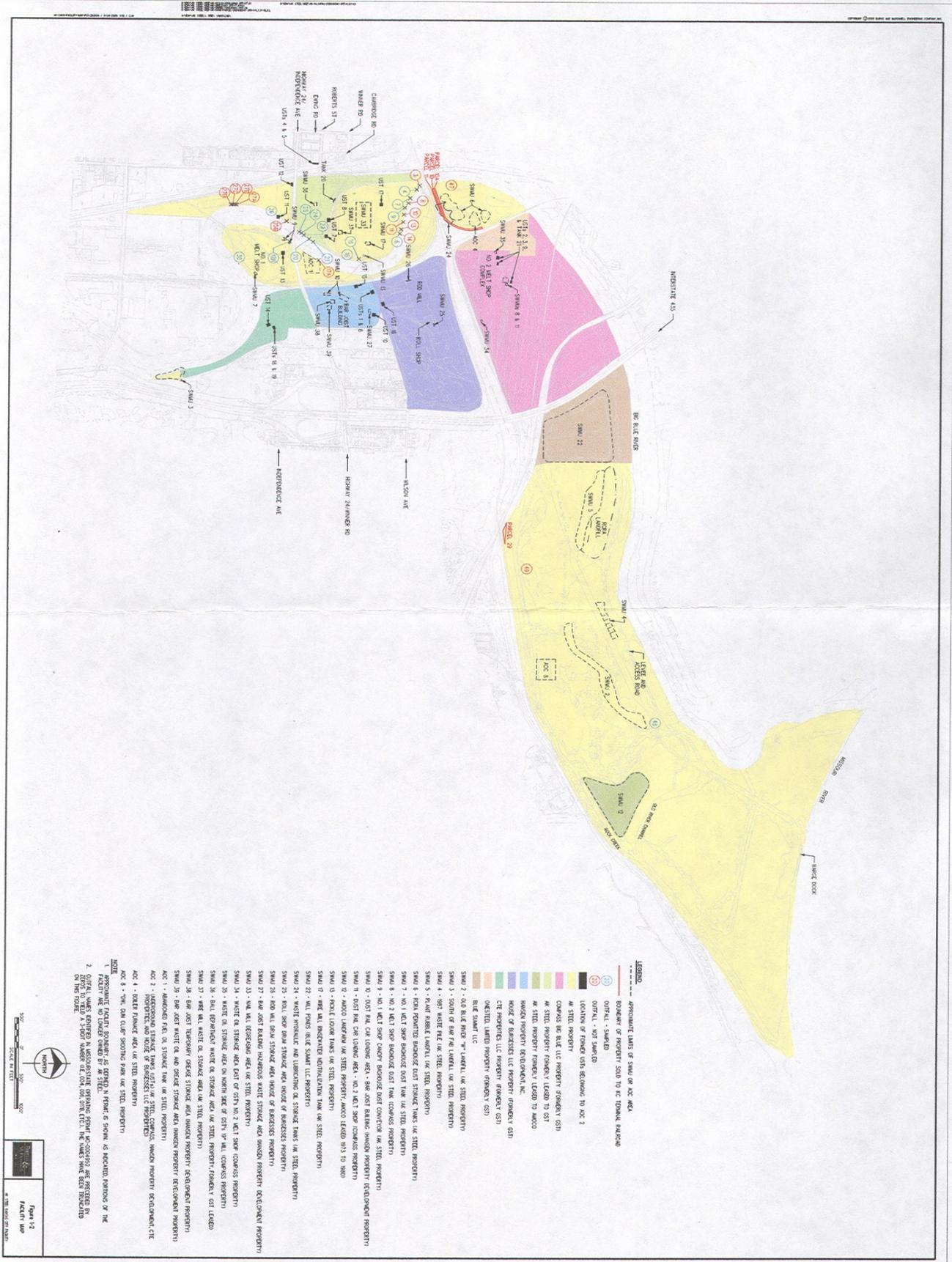
- The Public Notice period for this operating permit is tentatively schedule to begin November 2009.
- The Public Notice period for this operating permit was from (November 2009) to (December 2009). Responses to the Public Notice of this operating permit warrant the modification of effluent limits and/or the terms and conditions of this permit.
- The Public Notice period for this operating permit was from January 2010 to February 2010. No responses received or responses to the Public Notice of this operating permit do not warrant the modification of effluent limits and/or the terms and conditions of this permit.

Date of Fact Sheet: October 22, 2009; revised December 28, 2009

COMPLETED BY:

SUNNY WELLESLEY, ENVIRONMENTAL SPECIALIST IV
 KANSAS CITY REGIONAL OFFICE
 NPDES PERMITS UNIT
 WATER PROTECTION PROGRAM

Part VII – Appendices – Appendix 1. Facility Layout



**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.



May 12, 2014

Missouri Department of Natural Resources
Water Pollution Control Program
P.O. Box 176
Jefferson City, Missouri 65102

Form A - NPDES Permit Modification (Permit # MO-0004952)
AK Steel Corporation
Kansas City, Missouri

Dear Ms. Sappington:

On behalf of AK Steel, Burns & McDonnell Engineering, Inc. (Burns & McDonnell) is submitting the attached Form A application as a modification to Permit MO-0004952 for the removal of Outfalls 026, 052, 053, 054, 055, and 056. These outfalls are now located on Custom Truck and Equipment (CTE) property and are covered under CTE's General Storm Water Permit # MO-R203456.

If there are any questions or concerns, please contact me at 816-349-6646.

Sincerely,

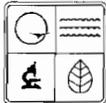
Matthew Shanahan, CHMM
Environmental/Section Manager
Burns & McDonnell Engineering, Inc.
(816) 349-6646

RECEIVED

MAY 13 2014

WATER PROTECTION PROGRAM

RECEIVED



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	4100530
DATE RECEIVED	5/16/14
FEE SUBMITTED	\$331.50

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-0004952 Reason: Outfalls removal

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

2. FACILITY

NAME		TELEPHONE WITH AREA CODE	
AK Steel Corporation		(816) 242-5660	
ADDRESS (PHYSICAL)		CITY	STATE ZIP CODE
700 Winner Road		Kansas City	MO 64125

3. OWNER

NAME		E-MAIL ADDRESS	TELEPHONE WITH AREA CODE
AK Steel Corporation			(513) 425-2711
ADDRESS (MAILING)		CITY	FAX (513) 425-2635
9227 Centre Pointe Drive		West Chester	STATE ZIP CODE
			OH 45069

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

4. CONTINUING AUTHORITY

NAME		TELEPHONE WITH AREA CODE	
AK Steel Corporation		(513) 425-2711	
ADDRESS (MAILING)		CITY	FAX (513) 425-2635
9227 Centre Pointe Drive		West Chester	STATE ZIP CODE
			OH 45069

5. OPERATOR

NAME		CERTIFICATE NUMBER	TELEPHONE WITH AREA CODE
AK Steel Corporation			(513) 425-2711
ADDRESS (MAILING)		CITY	FAX (513) 425-2635
9227 Centre Pointe Drive		West Chester	STATE ZIP CODE
			OH 45069

6. FACILITY CONTACT

NAME		TITLE	TELEPHONE WITH AREA CODE
Cory Levensood		Corporate Environmental Manager	(513) 425-2711
			FAX (513) 425-2635

7. ADDITIONAL FACILITY INFORMATION

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

001 _____ 1/4 _____ 1/4 Sec _____ T _____ R _____ County _____
 UTM Coordinates Easting (X): _____ Northing (Y): _____
For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83)

002 _____ 1/4 _____ 1/4 Sec _____ T _____ R _____ County _____
 UTM Coordinates Easting (X): _____ Northing (Y): _____

003 _____ 1/4 _____ 1/4 Sec _____ T _____ R _____ County _____
 UTM Coordinates Easting (X): _____ Northing (Y): _____

004 _____ 1/4 _____ 1/4 Sec _____ T _____ R _____ County _____
 UTM Coordinates Easting (X): _____ Northing (Y): _____

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

001 - SIC 6512 - All _____ and NAICS _____ 002 - SIC _____ and NAICS _____
 003 - SIC _____ and NAICS _____ 004 - SIC _____ and NAICS _____

KC Jackson

8. ADDITIONAL FORMS AND MAPS NECESSARY TO COMPLETE THIS APPLICATION (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 checked="" type="checkbox"/>	NO <input 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. - Not required for permit modification	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"/>
9. DOWNSTREAM LANDOWNER(S) Attach additional sheets as necessary. See Instructions. (PLEASE SHOW LOCATION ON MAP. SEE 8.D ABOVE).			
NAME Bayer Corporation			
ADDRESS 8400 Hawthorn Road		CITY Kansas City	STATE ZIP CODE MO 64120
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) <i>Cory Levenboud</i> <i>CORP. MANAGER ENVI. AFFAIRS</i>		TELEPHONE WITH AREA CODE <i>513 425 2711</i>	
SIGNATURE <i>Cory Levenboud</i>		DATE SIGNED <i>5-7-14</i>	

MO 780-1479 (07-09)

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.

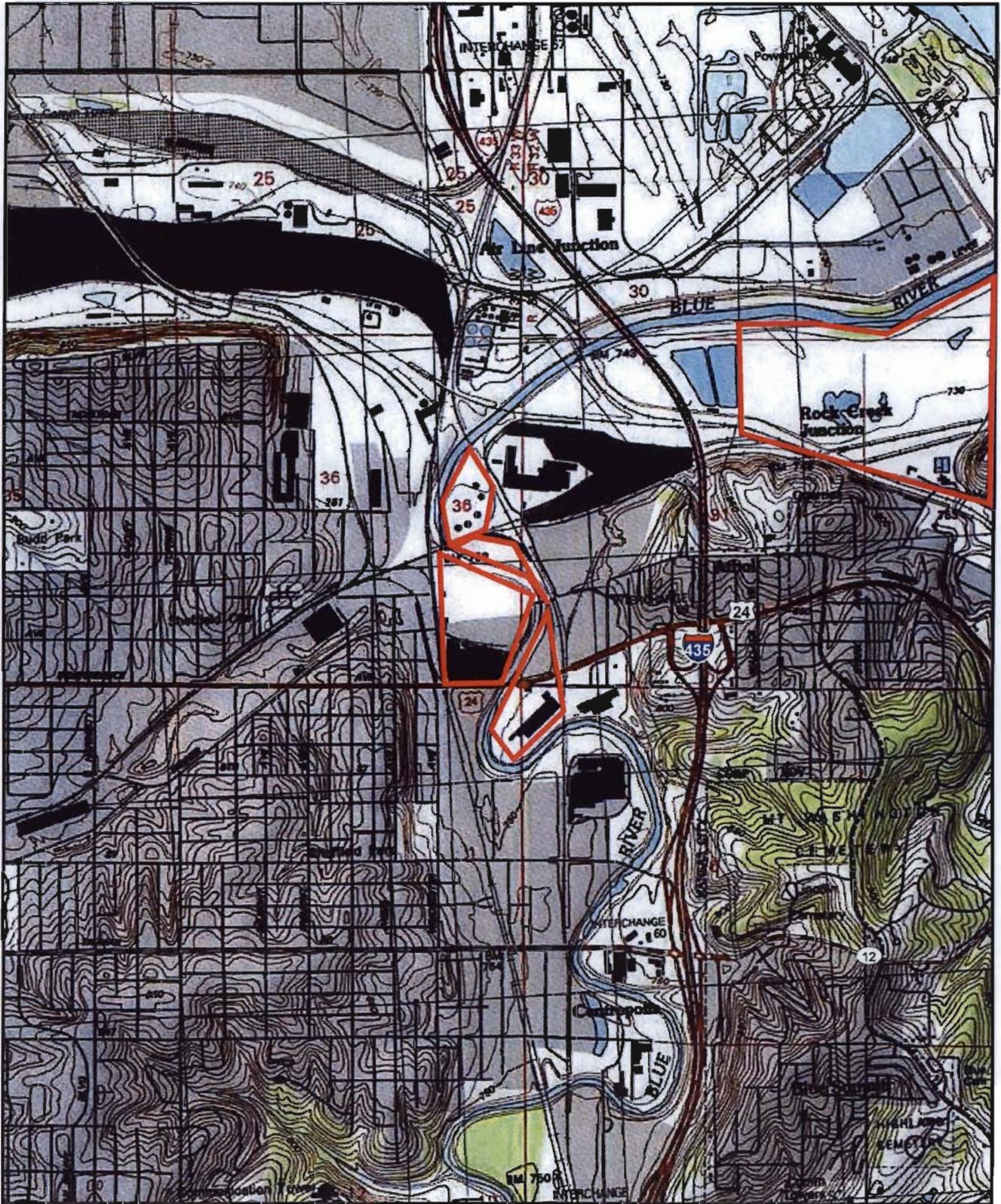
HAVE YOU INCLUDED:

- 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?

Attachment A

Figure 1 - Site Location Map

Figure 2 – Outfall Locations



Copyright © 2014 Burns & McDonnell Engineering Company, Inc.

USGS Topographic Maps By ESRI
Map - Jackson County, Missouri



Property Boundary



Figure 1

SITE LOCATION MAP
AK STEEL CORPORATION
KANSAS CITY, MISSOURI



Legend

- AK Steel Outfalls
- CTE Outfalls (To be removed from AK Steel permit)
- Property Boundary



Figure 2
AK Steel
Outfall Locations

Appendix B

Legal Description of Outfalls

Attachment B
 Supplemental Sheet
 Missouri Form A - Part 7.10 - Legal Description of Outfalls

AK Steel Outfalls	Legal Description	County	Latitude	Longitude	Receiving Water
003	NE 1/4 Sec 36 T 50 R 33	Jackson	N39° 6' 35"	W94° 29' 55"	Big Blue River
004	NE 1/4 Sec 36 T 50 R 33	Jackson	N39° 6' 35"	W94° 29' 55"	Big Blue River
006	NE 1/4 Sec 36 T 50 R 33	Jackson	N39° 6' 30"	W94° 29' 40"	Big Blue River
007	NE 1/4 Sec 36 T 50 R 33	Jackson	N39° 6' 35"	W94° 29' 50"	Big Blue River
008	NE 1/4 Sec 36 T 50 R 33	Jackson	N39° 6' 35"	W94° 29' 50"	Big Blue River
009	NE 1/4 Sec 36 T 50 R 33	Jackson	N39° 6' 35"	W94° 29' 50"	Big Blue River
010	NE 1/4 Sec 36 T 50 R 33	Jackson	N39° 6' 35"	W94° 29' 45"	Big Blue River
011	NE 1/4 Sec 36 T 50 R 33	Jackson	N39° 6' 35"	W94° 29' 45"	Big Blue River
013	NE 1/4 Sec 36 T 50 R 33	Jackson	N39° 6' 35"	W94° 29' 45"	Big Blue River
014	NE 1/4 Sec 36 T 50 R 33	Jackson	N39° 6' 35"	W94° 29' 45"	Big Blue River
016	NE 1/4 Sec 36 T 50 R 33	Jackson	N39° 6' 25"	W94° 29' 40"	Big Blue River
018	NE 1/4 Sec 36 T 50 R 33	Jackson	N39° 6' 18"	W94° 29' 47"	Big Blue River
020	SE 1/4 Sec 36 T 50 R 33	Jackson	N39° 6' 18"	W94° 29' 46"	Big Blue River
021	SE 1/4 Sec 36 T 50 R 33	Jackson	N39° 6' 17"	W94° 29' 48"	Big Blue River
023	SE 1/4 Sec 36 T 50 R 33	Jackson	N39° 6' 16"	W94° 29' 48"	Big Blue River
024	SE 1/4 Sec 36 T 50 R 33	Jackson	N39° 6' 16"	W94° 29' 48"	Big Blue River
025	SE 1/4 Sec 36 T 50 R 33	Jackson	N39° 6' 16"	W94° 29' 40"	Big Blue River
030	NW 1/4 Sec 6 T 49 R 32	Jackson	N39° 6' 10"	W94° 29' 40"	Big Blue River
047	NE 1/4 Sec 36 T 50 R 33	Jackson	N39° 6' 45"	W94° 29' 55"	Big Blue River
048	SW 1/4 Sec 29 T 50 R 32	Jackson	N39° 7' 10"	W94° 28' 15"	Old Blue River Channel
049	NW 1/4 Sec 32 T 50 R 32	Jackson	N39° 6' 55"	W94° 28' 30"	Rock Creek Ditch
050	SE 1/4 Sec 36 T 50 R 33	Jackson	N39° 6' 20"	W94° 29' 40"	Big Blue River
051	SE 1/4 Sec 36 T 50 R 33	Jackson	N39° 6' 15"	W94° 29' 45"	Big Blue River
026	NE 1/4 Sec 1 T 49 R 33	Jackson	N39° 6' 10"	W94° 29' 50"	Big Blue River
052	NE 1/4 Sec 1 T 49 R 33	Jackson	N39° 6' 15"	W94° 29' 50"	Big Blue River
053	NE 1/4 Sec 1 T 49 R 33	Jackson	N39° 6' 10"	W94° 29' 50"	Big Blue River
054	NE 1/4 Sec 1 T 49 R 33	Jackson	N39° 6' 10"	W94° 29' 50"	Big Blue River
055	NE 1/4 Sec 1 T 49 R 33	Jackson	N39° 6' 10"	W94° 29' 50"	Big Blue River
056	NE 1/4 Sec 1 T 49 R 33	Jackson	N39° 6' 10"	W94° 29' 50"	Big Blue River

CTE Outfalls