### IN THE UNITED STATES DISTRICT COURT FOR THE SOUTHERN DISTRICT OF INDIANA EVANSVILLE DIVISION

UNITED STATES OF AMERICA,

and

THE STATE OF INDIANA,

Plaintiffs,

v.

Case No. 3:09-CV-0128 WTL-MPB

THE CITY OF EVANSVILLE, INDIANA,

and

EVANSVILLE WATER AND SEWER UTILITY BOARD,

Defendants.

### FIFTH AGREED CONSENT DECREE MODIFICATION

### **Background**

- A. On June 22, 2011, the United States District Court for the Southern District of Indiana approved and entered a Consent Decree between the United States and the State of Indiana (collectively "Plaintiffs") and the City of Evansville, Indiana and the Evansville Water and Sewer Utility Board (collectively "Evansville" or "Defendants") in the above-captioned case.
- B. The Consent Decree was subsequently modified by the Parties and entered by this Court on April 23, 2012 [Dkt. No. 180], November 30, 2012 [Dkt. No. 233], December 6, 2016 [Dkt. No. 291], and most recently on October 27, 2017 [Dkt. No. 292].

- C. The Consent Decree requires Defendants to perform a number of Control

  Measures consisting of various projects to construct, upgrade, or improve portions of its system
  as listed in Appendix G.
- D. Since entering the Consent Decree, Defendants have experienced additional financial and technical hardships that have resulted in difficulties in completing some of the Control Measure projects on time. Among these is the previously unanticipated need to spend an estimated \$304 million on capital improvement projects plus 30 year life cycle costs to its drinking water system. Consequently, flexibility in scheduling is appropriate to reduce immediate financial burdens on Defendants without delaying the overall deadline for completion of the Control Measures.
- E. Paragraph 124 of the Consent Decree provides that the Consent Decree, including any attached appendices, may be modified only by a subsequent written agreement signed by all Parties. Where the modification constitutes a material change to the Consent Decree, the modification shall be effective only upon approval by the Court.
- F. Plaintiffs and Defendants have agreed, pursuant to Paragraph 124 of the Consent Decree, to this Fifth Agreed Consent Decree Modification. The changes made herein constitute material Consent Decree modifications that require Court approval under Consent Decree Paragraph 124. The undersigned parties anticipate that the United States will file this Fifth Agreed Consent Decree Modification ("Agreement") with the Court as a material modification and an agreed supplement to the Consent Decree.

WHEREAS, the Parties agree that this Fifth Agreed Consent Decree Modification constitutes a material change to the Consent Decree, and requires Court approval to be effective.

The Parties recognize, and the Court by entering this Fifth Agreed Consent Decree Modification

finds, that it has been negotiated at arms-length and in good faith and that this Fifth Agreed Consent Decree Modification is fair, reasonable, and in the public interest.

NOW, THEREFORE, it is hereby Ordered, Adjudged, and Decreed:

- 1. Except as specifically provided in this Fifth Agreed Consent Decree Modification, all provisions of the original Consent Decree, as modified through the Fourth Agreed Consent Decree Modification, shall remain in full force and effect. No provision of the current Consent Decree is modified, superseded, or altered in any way except as specifically provided in this Fifth Agreed Consent Decree Modification.
- 2. For the purposes of this Fifth Agreed Consent Decree Modification, the following definitions shall apply and shall be substituted for any prior use of such definitions:

"Consent Decree" or "Decree" shall mean the Consent Decree entered in this action on June 22, 2011 and all Appendices attached thereto, as modified by the Court on April 23, 2012 [Dkt. No. 180], November 30, 2012 [Dkt. No. 233], December 6, 2016 [Dkt. No. 291], October 27, 2017 [Dkt. No. 292], and this Fifth Agreed Consent Decree Modification. In the event of conflict between the Decree and any Appendix, the Decree shall control.

"Control Measure" and "Remedial Measure" shall mean those improvements identified in Appendix G and shall include the Design Criteria and the Performance Criteria identified in Appendix G for each such measure.

"R-Value" shall mean the fraction of rainfall volume that enters the sewer system, as calculated by EPA's Storm Water Management Model, ver. 5.1, for the purpose of estimating the I/I response in a separate sanitary sewer system.

3. The Fifth Agreed Consent Decree Modification hereby attaches and incorporates into the Consent Decree, as amended, a revised Appendix G, which contains the following modifications:

### a. Schedule Modifications.

The respective deadlines of the Bid Date, Commencement of Construction
 Date, and Achievement of Full Operation Date for the following four

projects listed in Appendix G are extended by up to three years and superseded by the following deadlines in Table 1:

Table 1: Schedule as Revised										
Project	<b>Bid Date</b>	Start of Const.	<b>AFO Date</b>							
Constructed Wetland Treatment System in	N/A	7/1/2026	1/1/2028							
Control Measure 1										
Oak Hill Partial Sewer Separation in Control	N/A	N/A	1/1/2028							
Measure 8										
NW/SW Rehabilitation Projects in SSRMP	1/1/2025	12/1/2025	1/1/2030							
E-11 Rehabilitation Projects in SSRMP	1/1/2024	1/1/2025	1/1/2029							

- ii. Additional Schedule Extensions: EPA and IDEM may approve requests by the Defendants to extend any of the deadlines listed above and the Baker Relief Pump Station project in Control Measure 6 by up to two additional years. Any extension within this two-year period would not be considered a material modification to the Amended Consent Decree. EPA's and IDEM's decision to grant or deny such additional extensions of up to two years for these projects is not subject to dispute resolution.
- iii. Criteria for Granting Additional Schedule Extensions: EPA and IDEM shall consider the following criteria when deciding whether to grant an additional extension for any of the deadlines listed above and the Baker Relief Pump Station project in Control Measure 6:
  - Extent of progress Evansville makes in implementing Non-IOCP projects (including the Wansford Yard Lift Station) necessary to maintain compliance with its currently effective NPDES permits;
  - Extent of progress that Evansville makes in implementing green infrastructure in its downtown combined sewer sub-basins;
  - Extent to which Evansville has presented information demonstrating that there could be viable alternatives to IOCP projects currently required for achieving environmental goals; and

- Evansville's financial situation in 2023, including any updated Financial Capability Analysis (FCA) prepared in accordance with current and applicable FCA guidance.
- iv. Evansville will also consider accelerating the implementation schedule associated with the North Park Capacity Projects within an extension request, pursuant to subparagraphs 3.a.ii and 3.a.iii, including an analysis, to be submitted to EPA and IDEM, that prioritizes the final implementation of the North Park Capacity Projects on or before January 1, 2029.
- b. Replacement of Design Criteria for SSRMP Projects. The Design Criteria for the following three SSRMP rehabilitation projects (Lloyd Expressway, NW/SW, and E-11) are deleted and replaced with the following Performance Criteria:
  - Evansville will achieve a targeted sewershed basin area-weighted median R-Value of 5% or less in each of the three targeted sewersheds after completion of its rehabilitation projects. In addition, if a sub-basin/sub-catchment within one of the targeted sewershed basins has had a wet-weather SSO in the three years following completion of the corresponding capacity projects related to each sub-basin, Evansville shall demonstrate that the sub-basin/sub-catchment has an R-value less than 5% within one year after the end of the three-year targeted sewershed basin monitoring period, unless another timeframe is approved by EPA and IDEM. This post-capacity project analysis will also include the calculations and information necessary to demonstrate whether the wet weather SSO occurred during a wet weather event that exceeded the 10-year level of control or was equal to or less than the 10-year level of control.

The Design Criteria for the North Park SSRMP rehabilitation project are deleted and replaced with the following Performance Criteria:

• Evansville has achieved a targeted sewershed basin area-weighted median R-Value of 5% or less. If a sub-basin/sub-catchment within the targeted basin has had a wet-weather SSO occurrence during a wet weather event that was equal to or less than the 10-year level of control in the three years from the

date of entry of this Fifth Agreed Consent Decree Modification, Evansville shall demonstrate that the sub-basin/sub-catchment with a SSO occurrence, that meets the conditions above, has an R-value less than 5% on or before four years from the date of entry of this Fifth Agreed Consent Decree Modification, unless a different timeframe is approved by the EPA and IDEM.

The Design Criteria for the General SSS SSRMP rehabilitation project are replaced with the following Design Criteria:

• Defendants shall spend not less than \$3,671,000 in 2015 dollars.

### c. Other Appendix G Modifications.

- The Design Criteria for the East WWTP Effluent Pump Station in Control Measure 1 is modified as follows: "Conveyance pump station with minimum sustained design capacity of 40 million gallons per day."
- West WWTP Improvement Projects (Expanded Peak Primary Treatment Capacity) in Control Measure 3 is modified to reflect an updated Achievement of Full Operation Date of April 29, 2021 instead of January 1, 2023.
- West WWTP Improvement Projects (Howel Park Storage) in Control Measure 3 is modified as follows:
  - Achievement of Full Operation Date is changed to January 1, 2021 instead of January 1, 2023; and
  - Description (5th column) shall read as follows: "Construct storage basin near West WWTP at 900 South Tekoppel Avenue."
- Pigeon Creek Interceptor Optimization and RTC Projects in Control Measure 4 is modified to reflect an updated Achievement of Full Operation Date of April 1, 2020 instead of January 1, 2022.
- 4. The Fifth Agreed Consent Decree Modification inserts within Section XIII (Consent Decree Reporting Requirements) a new Paragraph 97.1, which states as follows:
  <u>SWMM Sewer Collection System Model Reevaluation Report.</u> On or before May 2, 2022, Evansville shall submit a Storm Water Management Model ("SWMM")
  Sewer Collection System Model Reevaluation Report to EPA and IDEM for review and

comment. This SWMM Sewer Collection System Model Reevaluation Report shall contain the information required by subparagraphs (a) through (c) below.

a. A thorough analysis of the West WWTP Sewer Collection System SWMM ("West WWTP SWMM"), including a final modeling analysis with a proper dry and wet calibration that meets the table below:

Table 2	
<b>Hydrograph Component</b>	Calibration and Validation Requirements
Timing	The timing of the peaks and troughs of the hydrograph should
	be +/- 1 hour when comparing the modeled hydrograph to the
	observed flow meter hydrograph.
Flooding	The West WWTP SWMM shall predict any flooding and the
	volume associated with these conditions shall be equivalent to
	the observed volumes.
CSO and SSO discharges	The West WWTP SWMM shall predict any CSOs or SSOs
	from Evansville's sewer collection system and the volume and
	peak flow rate from the modeled CSOs/SSOs should be
	equivalent to the observed CSO/SSO volume and peak flow
	rate. The curve shapes for volume and flow rate from the
	modeled CSO/SSO should be equivalent to the curve shapes for
	volume and flow rate for the observed CSO/SSO discharge.
Peak Flow Rate	The West WWTP SWMM hydrograph shall be within -15% to
	+25% of the observed flow meter data.
Flow Volume	The West WWTP SWMM hydrograph shall be within -10% to
	+20% of the observed flow meter data.

- b. Analysis of the status of both the East WWTP Sewer Collection System SWMM ("East WWTP SWMM") and the West WWTP SWMM, including any changes made to the models and any deficiencies identified.
- c. A proposed schedule for completion no later than July 1, 2023, also submitted to EPA and IDEM for review and comment, if any recalibration and/or revalidation is needed for either the East WWTP SWMM or the West WWTP SWMM. The conditions listed in Table 2 above shall also apply to any East WWTP SWMM or West WWTP SWMM recalibration or revalidation.

- 5. The Fifth Agreed Consent Decree Modification inserts within Section XIII

  (Consent Decree Reporting Requirements) a new Paragraph 97.2, which states as follows:

  Quarterly Status Report: From the first calendar quarter after the date of lodging of this

  Fifth Agreed Consent Decree Modification until December 31, 2023, Evansville shall

  develop and submit to EPA and IDEM on January 20th, April 20th, July 20th, and

  October 20th of each year, a quarterly status report for the preceding three months that
  includes the following information:
  - a. The status of the SSRMP implementation, pursuant to the requirements of Appendix G;
  - New alternatives, including remote treatment and/or storage technologies, that
     Evansville analyzed in the previous quarterly period;
  - c. Potential new problems or issues discovered regarding the implementation of the current Appendix G;
  - d. Update on Evansville's drinking water (SDWA) compliance projects (including the implementation of all projects, the status of current projects, the completion of all projects, and the associated final costs of the completed projects);
  - e. Update on Green Infrastructure implementation;
  - f. The status of Green Infrastructure Post-Construction Testing/Monitoring; and
  - g. The status of any other project being implemented that is related to the Consent Decree, including Non-IOCP project implementation.

If EPA and IDEM approve requests by the Defendants to extend any of the deadlines of the Remedial Measures identified above, pursuant to subparagraph 3.a.ii, EPA and IDEM may also extend Evansville's submission of the Quarterly Status Report, which shall include the information identified in subparagraphs 5.a through 5.g, until December 31, 2025.

6. The Fifth Agreed Consent Decree inserts within Section VI (Prohibitions and Operation/Maintenance Measures) a new Paragraph 21.1, which states as follows:

Bee Slough Cleaning Protocol. Defendants have submitted for approval pursuant to Section XV of the Consent Decree (Review and Approval Procedures) a protocol for cleaning the entire Bee Slough open channel at least three times per calendar year until the date the last completed project of Control Measure 1 reaches its achievement of full operation date. Defendants shall implement the protocol as approved by EPA and IDEM. After the last project implemented under Control Measure 1 is fully operational, Defendants shall clean the Bee Slough after each CSO discharge to the Bee Slough.

- 7. This Fifth Agreed Consent Decree Modification incorporates the following changes within Section XIV (Notices and Submissions):
  - a. Replacement of Paragraph 98 with the following:
    - 98. Unless otherwise specified in this Consent Decree, whenever notifications, submissions, or communications are required by this Consent Decree, they shall be made in writing and sent by mail or email, with the preference being for email if listed below, addressed as follows:

### To the United States:

To the U.S. Department of Justice:
Chief, Environmental Enforcement Section
U.S. Department of Justice -- DOJ No. 90-5-1-1-08738
P.O. Box 7611

Washington, D.C. 20044-7611

and

#### To U.S. EPA:

Chief, Water Enforcement and Compliance Assurance Branch Enforcement and Compliance Assurance Division U.S. Environmental Protection Agency, Region 5 77 West Jackson Boulevard (ECW-15J) Chicago, IL 60604 By Email: middleton.keith@epa.gov

and

Regional Counsel (C-14J)
U.S. Environmental Protection Agency, Region 5
77 West Jackson Boulevard
Chicago, IL 60604
By Email: r5weca@epa.gov

### To the State:

To the Indiana Attorney General:
Chief Counsel, Litigation
Office of the Attorney General
Indiana Government Center South
5th Floor
302 West Washington Street
Indianapolis, IN 46204

and

### To IDEM:

Chief, Compliance Branch Indiana Department of Environmental Management Office of Water Quality, Mail Code 65-40 100 North Senate Avenue Indianapolis, IN 46204-2251

and

Office of Legal Counsel Mail Code 60-01 100 North Senate Street Indianapolis, IN 46204-2251

### To Defendants:

Executive Director Evansville Water & Sewer Utility One N.W. Martin Luther King, Jr., #104 Evansville, IN 47740

and

Corporation Counsel City of Evansville 20 NW 1st Street – 9th Floor Post Office Box 916 Evansville, IN 47706

b. Insertion of a new Paragraph 98.1, which states as follows:

All electronic submittals made pursuant to Paragraph 98 shall be in Portable Document Format ("pdf") or similar format that is text searchable. If data are submitted in electronic spreadsheet form, it shall be provided along with any corresponding information in editable Excel format and not in image format. If Excel format is not available, then the electronic format should allow for data to be used in calculations by a standard spreadsheet program similar to Excel. The subject of the email correspondence must include the Party's name, the name of the deliverable, and the Court's case number. If a Party is unable to submit a notification, submission, or communication by email, if preferred, the Party shall provide the notification, submission, or communication required by this Consent Decree to the mailing addresses listed above in Paragraph 98 and include electronic format of the notifications, submissions, or communications on physical media such as compact disk, flash drive, or a similar storage device.

- c. Insertion of a new Paragraph 98.2, which states as follows:
   Any Party may, by written notice to the other Parties, change its designated notice recipient, notice address, or preference for mail or email provided above.
- 8. This Fifth Agreed Consent Modification shall be lodged with the Court for a period of not less than thirty (30) Days for public notice and comment in accordance with 28 C.F.R. § 50.7. The United States reserves the right to withdraw or withhold its consent if the comments regarding the Fifth Agreed Consent Decree Modification disclose facts or considerations indicating that the Fifth Agreed Consent Decree Modification is inappropriate, improper, or inadequate. Evansville consents to entry of this Fifth Agreed Consent Decree Modification without further notice.
- 9. If for any reason the Court should decline to approve this Fifth Agreed Consent Decree Modification in the form presented, this Fifth Agreed Consent Decree Modification is voidable at the sole discretion of any Party in writing within 30 days of the Court's action. If any Party elects to void the Fifth Agreed Consent Decree Modification, the terms of the Fifth Agreed Consent Decree Modification may not be used as evidence in any litigation between the Parties and the Consent Decree as Amended shall remain fully in effect and enforceable.
- 10. Each of the undersigned representatives of Defendants, of IDEM, and of the Assistant Attorney General for the Environment and Natural Resources Division of the Department of Justice certifies that he or she is fully authorized to enter into the terms and conditions of this Fifth Agreed Consent Decree Modification and to execute and legally bind such Party to this document.

11.	This Fifth Agreed Consent Decree Modification may be executed in counterparts.
SO ORDERE	ZD.
Date:	Hon. William T. Lawrence, Judge United States District Court Southern District of Indiana

### FOR THE UNITED STATES OF AMERICA

TODD KIM
Assistant Attorney General
Environment & Natural Resources Division
U.S. Department of Justice
Washington, D.C. 20530

DATE: April 25, 2022 s/ Michael J. Zoeller

MICHAEL J. ZOELLER Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice P.O. Box 7611 Washington, D.C. 20044-7611 (202) 305-1478

DATE: April 25, 2022 s/ Shelese M. Woods (with consent)

SHELESE M. WOODS Assistant United States Attorney Southern District of Indiana 10 W. Market St., Suite 2100 Indianapolis, IN 46204 (317) 226-6333 Fax (317) 226-5027 shelese.woods@usdoj.gov

FOR THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 5

DATE:

JANE LUPTON Digitally signed by JANE LUPTON Date: 2022.04.19 12:55:22 -05'00'

ROBERT A. KAPLAN
Regional Counsel
U.S. Environmental Protection Agency, Region 5
77 West Jackson Boulevard
Chicago, IL 60604

FOR THE UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF ENFORCEMENT
AND COMPLIANCE ASSURANCE

DATE:		
DATE:		

JOSEPH THEIS Digitally signed by JOSEPH THEIS Date: 2022.04.13 09:20:11 -04'00'

### JOSEPH G. THEIS

Acting Director, Water Enforcement Division Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency 1200 Pennsylvania Avenue, NW Washington, DC 20460

DATE:

James Vinch Vinch Date: 2022.04.13 08:54:22 -04'00'

### **JAMES VINCH**

Attorney-Advisor
Office of Enforcement and Compliance Assurance
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, DC 20460

FOR THE STATE OF INDIANA

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DATE: 4/13/2022

BRIAN C. JOCKENSUESS

Commissioner

Indiana Department of Environmental Management

100 North Senate Street

P.O. Box 6015

Indianapolis, IN 46206

Approved as to form and legality:

DATE: <u>4//3/20</u>22

ELIZABETH ADMIRÉ

Attorney

Indiana Department of Environmental Management

100 North Senate Street

P.O. Box 6015

Indianapolis, IN 46206

INDIANA ATTORNEY GENERAL

DATE:

COURTNEY LABSHIRE

Deputy Attorney General

Office of the Indiana Attorney General

Indiana Government Center South, 5th Floor

302 W. Washington Street

Indianapolis, IN 46204-2770

FOR THE CITY OF EVANSVILLE, INDIANA

DATE: 3/1/2022

MARCO L. DELUCIO

Corporation Counsel

City of Evan ville

20 NW 1st Street – 9th Floor

P.O. Box 916

Evansville, IN 47706

FOR THE EVANSVILLE WATER AND SEWER UTILITY BOARD

DATE: 3/1/2022

STEVEN R. HELDOR

President, Board of Directors

Evansville Water & Sewer Utility

One NW Martin Luther King Jr., #104

Evansville, IN 47740

- AIDED Whhelinix G:		Outfall Number		Criteria, and Implementation Schedule	Narrative Description of Proposed De	sign and Performance Criteria	Implementation Schedule  Commencement of Achievement of		
Control Measure/Plan	Project	or Overflow	Name	Description	Design Criteria	Performance Criteria	Bid Date	Construction	Full Operation
Green Infrastructure	All	CSS Basins					1/1/2016	1/1/2017	12/31/2039
		001	Kentucky Ave	Wetlands treatment system	Constructed wetland treatment with a minimum storage volume of 42 million gallons. This volume is for the storage basin only, and excludes conveyance sewers and dewatering sewers. Conveyance pump station with minimum sustained design capacity of 198 million gallons per day. Relief sewer with a minimum diameter of 108 inches. The hydraulic loading rates for all projects shall not exceed any manufacture's recommendation.	0 CSOs and 0 gallons of residual overflow volume under Typical Year conditions. Treated discharges shall meet a 50% TSS reduction by mass standard, with a flow weighted basis and 12-Month Rolling Average reported each month. See Appendix H for monitoring and reporting requirements.	N/A	7/1/2026	1/1/2028
		002	Cass Ave	Vertical treatment unit (VTU)	Satellite vertical treatment unit that meets the performance criteria, including disinfection, with a minimum sustained design capacity of 226 million gallons per day. The hydraulic loading rate shall not exceed the manufacture's recommendation.	O CSOs and 0 gallons of residual overflow volume under Typical Year conditions. Treated discharges shall meet a 50% TSS reduction by mass with a flow weighted basis and 12-Month Rolling Average reported each month. See Appendix H for monitoring and reporting requirements.	1/1/2030	1/1/2031	1/1/2033
		004	Adams	Relief sewer to Cass Ave CSO control facility	Relief sewer to the Cass Avenue Vertical Treatment with a minimum diameter of 72 inches.	0 CSOs and 0 gallons of residual overflow volume under Typical Year conditions.	1/1/2030*	1/1/2031*	1/1/2033*
	Bee Slough Restoration and CSO Treatment	001, 002, 004	Bee Slough	Bee Slough Drainage Pipeline	Drainage pipelines between the concrete channel and the East WWTP Headworks Facility to provide the ability to send standing water in Bee Slough to the WWTP for treatment.	0 CSOs and 0 gallons of residual overflow volume under Typical Year conditions. Maximize flow to the East WWTP after wet weather events.			1/1/2018
		103	East WWTP	Effluent Pump Station	Conveyance pump station with minimum sustained design capacity of 40 million gallons per day.	Eliminate CSO overflow point. All East WWTP effluent pumped to the Ohio River and not to Bee Slough during high river levels.	1/1/2019	1/1/2020	1/1/2023
		001, 002, 004	Bee Slough	Akin Park Partial sewer separation	Partial sewer separation projects in sewerage tributary to Bee Slough/East WWTP.	No SSOs pursuant to Consent Decree paragraph 12, subject to Consent Decree paragraph 69.			1/1/2020

EVISED Appendix G:	Approved IOCP Remedial Measu		teria, Performance (	Criteria, and Implementation Schedule	Narrative Description of Proposed Des	Description of Proposed Design and Performance Criteria		Implementation Schedule		
Control Measure/Plan	Project	Outfall Number or Overflow	Name	Description	Design Criteria	Performance Criteria	Bid Date	Commencement of Construction	Achievement of Full Operation	
2	East WWTP Improvement Projects	103	East WWTP	Expand peak Treatment Capacity	Expand secondary treatment system to achieve a minimum sustained capacity of 40 million gallons per day through the entire East WWTP.	0 CSOs and 0 gallons of residual overflow volume under Typical Year conditions. No bypasses of any portion of East WWTP.	1/1/2019	1/1/2020	1/1/2023	
3	West WWTP Improvement Projects	123	West WWTP	Expand peak primary treatment capacity; Storage Basin in Howell Park with overflow, Gravity in and out of Storage	Expand West WWTP headworks and primary treatment to achieve a minimum sustained capacity of 45 million gallons per day through the entire West WWTP.		1/1/2019	1/1/2020	4/29/2021	
		123	Howell Park Storage	Construct storage basin near West WWTP at 900 Tekoppel Av.	Storage basin with a minimum storage volume of 6.1 MG. This volume is for the storage basin only, and excludes conveyance sewers and dewatering sewers.	0 CSOs and 0 gallons of residual overflow volume under Typical Year conditions.	1/1/2019*	1/1/2020*	1/1/2021	
4	Pigeon Creek Interceptor Optimization and RTC Projects	012, 013, 014, 016, 017, 018, 024, 025	PCI	Complete cleaning and inspection of the PCI	Full interceptor capacity available to convey dry and wet weather flow to the West WWTP	Convey total capacity of the interceptor to the WWTP and maximize wet weather storage capacity within the interceptor.	1/1/2017	1/1/2018	4/1/2020	
	7th Avenue, Franklin Street, Fulton Avenue, 9th Avenue, and St. Joseph Avenue CSO Control Projects	006	Fulton Avenue Pump Station	Send to 7th Ave East. Use existing pipe	Eliminate CSO overflow point	Eliminate CSO overflow point. All wastewater will be conveyed to new 7th Avenue Pump Station using existing pipe.	$\times$		1/1/2036	
		009	7th Avenue West	Eliminated	Eliminate CSO overflow point	Eliminate CSO overflow point. All wastewater will be conveyed to new 7th Avenue Pump Station using existing pipe.	X	X	1/1/2036	
		enue, 9th Avenue, and St. Joseph		Construct new 7th Ave Lift station for wet and dry weather flows.	Conveyance pump station with minimum sustained design capacity of 135 million gallons per day.	Ability to pump 45 MGD to the West WWTP and 90 MGD to onsite storage and high-rate treatment facility.		1/1/2026	1/1/2038*	
				Above ground storage basin	Storage basin with a minimum storage volume of 5.1 million gallons. This volume is for the storage basin only, and excludes conveyance sewers and dewatering sewers	After construction of the high-rate treatment unit, no more than 4 CSOs, and a total of 7 MG of residual overflow volume under Typical Year conditions.	$\times$	1/1/2028	1/1/2038*	
5			7th Avenue East	Satellite high rate treatment facility	Satellite high rate treatment unit that meets the performance criteria, including disinfection, with a minimum sustained design capacity of 72 million gallons per day. The hydraulic loading rate shall not exceed the manufacture's recommendation.	Treated discharges must not exceed a TSS concentration of 40 mg/L averaged over the last seven discharge events. The compliance sampling done at the proposed high-rate treatment unit will be representative and reported as a 7-Discharge Rolling Average over the seven most recent discharge events. See Appendix H for monitoring and reporting requirements.	1/1/2035	1/1/2036	1/1/2038	
		016	Franklin Street	Relief sewer to 7th Avenue CSO Control Facility	Relief sewer with a minimum diameter of 72 inches.	No more than 2 CSOs, and a total of 2 MG of residual overflow volume under Typical Year conditions.	1/1/2035	1/1/2036	1/1/2038*	
		020	9th Avenue	Relief sewer to 7th Avenue CSO Control Facility	Relief sewer with a minimum diameter of 48 inches.	0 CSOs and 0 gallons of residual overflow volume under Typical Year conditions.	1/1/2035*	1/1/2036	1/1/2038*	
		022	St. Joseph Avenue	Increase underflow pipe size and build weir	Raise CSO regulatory weir and increase underflow sewer diameter to 36 inches.	0 CSOs and 0 gallons of residual overflow volume under Typical Year conditions.	1/1/2026	1/1/2027	1/1/2028	

		Outfall Number		ria, Performance Criteria, and Implementation Schedule	Narrative Description of Proposed Des			dule Achievement o	
Control Measure/Plan	Project	or Overflow	Name	Description	Design Criteria	Performance Criteria	Bid Date	Commencement of Construction	Full Operation
		024	Baker	Relief pump station to Diamond Avenue CSO Control Facility	Conveyance pump station with minimum sustained design capacity of 100 million gallons per day.	No more than 4 CSOs, and a total of 12 MG of residual overflow volume under Typical Year conditions.	1/1/2025	1/1/2026	7/1/2038
				Storage basin with dewatering pump station.	Storage basin with a minimum storage volume of 8.1 million gallons. This volume is for the storage basin only, and excludes conveyance sewers and dewatering sewers. Dewatering pump station with minimum sustained design capacity of 4 million gallons per day.	After construction of the treatment unit, no more than 4 CSOs, and a total of 40 MG of residual overflow volume will occur	1/1/2028	1/1/2029	1/1/2032*
				Conveyance Pump Station	Pump station to conveyance wastewater to Diamond Avenue storage basin/treatment facility with minimum sustained design capacity of 150 million gallons per day.	discharges must not exceed a TSS concentration of 40 mg/L averaged over the last seven discharge events. The	1/1/2028*	1/1/2029	1/1/2032*
	Diamond Avenue/Baker Street Sewer Separation and CSO Control Projects	025	Diamond Avenue	Satellite high rate treatment facility	Satellite high rate treatment unit that meets the performance criteria, including disinfection, with a minimum sustained design capacity of 20 million gallons per day. The hydraulic loading rate shall not exceed the manufacture's recommendation.	compliance sampling done at the proposed high-rate treatment unit will be representative and reported as a 7-Discharge Rolling Average over the seven most recent discharge events. See Appendix H for monitoring and reporting requirements.	1/1/2028*	1/1/2029	1/1/2032
				Diamond Avenue partial sewer separation	Partial sewer separation within the Diamond Avenue subbasin , as described in Evansville's 2007 Stormwater Master Plan and in Figure 9-5 of the July 31, 2015 IOCP.	No SSOs pursuant to Consent Decree paragraph 12, subject to Consent Decree paragraph 69.	X		1/1/2026
7	Oakley Street CSO Storage Facility	018	Oakley Street	Storage basin with gravity influent & effluent	Storage basin with a minimum storage volume of 0.6 million gallons. This volume is for the storage basin only, and excludes conveyance sewers and dewatering sewers	0 CSOs and 0 gallons of residual overflow volume under Typical Year conditions.	1/1/2034	1/1/2035	7/1/2036
	Oak Hill Sewer Separation and CSO Control Projects		Oak Hill	Partial sewer separation	Partial sewer separation projects, including the State Hospital, Boeke Road Outfall, Weinbach and Keck projects, as identified within Evansville's 2007 Stormwater Master Plan.	No SSOs pursuant to Consent Decree paragraph 12, subject to Consent Decree paragraph 69.			1/1/2028
		011	Oak Hill	Storage basin with dewatering pump station	Storage basin with a minimum storage volume of 6.4 million gallons. This volume is for the storage basin only, and excludes conveyance sewers and dewatering sewers. dewatering pump station with minimum sustained design capacity of 4.6 million gallons per day.	No more than 3 CSOs, and a total of 5 MG of residual overflow volume under Typical Year conditions.	1/1/2035	1/1/2036	7/1/2037

. v.oco Appelluix G:		Outfall Number		a, Performance Criteria, and Implementation Schedule	Narrative Description of Proposed Design and Performance Criteria		Implementation Schedule  Commencement of Achieve		
Control Measure/Plan	Project	or Overflow	Name	Description	Design Criteria	Performance Criteria	Bid Date	Construction	Full Operation
		008	Chestnut	Relief sewer to Oak-Riverside Storage facility	Relief sewer with a minimum diameter of 84 inches.	No more than 3 CSOs, and a total of 13 MG of residual overflow volume under Typical Year conditions.	1/1/2037	1/1/2038	1/1/2039
9	Downtown CSO (Oak/Riverside, Chestnut, and Dress Plaza) Control Projects	010	Oak and Riverside	Storage basin with dewatering pump station	Storage basin with a minimum storage volume of 7.5 million gallons. This volume is for the storage basin only, and excludes conveyance sewers and dewatering sewers. Dewatering pump station with minimum sustained design capacity of 3.8 million gallons per day. Relief sewer with a minimum diameter of 48 inches.	0 CSOs and 0 gallons of residual overflow volume under Typical Year conditions.	1/1/2037	1/1/2038	12/31/2039
		038	Dress Plaza	Storage basin with dewatering pump station	Storage basin with a minimum storage volume of 3.2 million gallons. This volume is for the storage basin only, and excludes conveyance sewers and dewatering sewers. Dewatering pump station with minimum sustained design capacity of 2.1 million gallons per day. Relief sewer with a minimum diameter of 60 inches.	No more than 3 CSOs, and a total of 7 MG of residual overflow volume under Typical Year conditions.	1/1/2035	1/1/2036	1/1/2037
		012	Maryland Street	Relocate diversion structure and sanitary connection to the upstream. Relief Sewer to Delaware CSO Control Facility.	Relief sewer with a minimum diameter of 72 inches.	No more than 2 CSOs, and a total of 1 MG of residual overflow volume under Typical Year conditions.	1/1/2036	1/1/2038	5/31/2040
10	6th Avenue, Dresden Street, Maryland Street, and Delaware Street CSO Control Projects	13	Delaware Street	Storage basin with dewatering pump station, conveyance pump station, and relief sewer.	Storage basin with a minimum storage volume of 3.5 million gallons. This volume is for the storage basin only, and excludes conveyance sewers and dewatering sewers. Dewatering pump station with minimum sustained design capacity of 1.8 million gallons per day. Conveyance pump station with minimum sustained design capacity of 70 million gallons per day. Relief sewer with minimum diameter of 84 inches.	No more than 2 CSOs, and a total of 3 MG of residual overflow volume under Typical Year conditions.	1/1/2036	1/1/2038	5/31/2040
		014	Dresden Street	Relief sewer to Delaware Street CSO Control Facility	Relief sewer with a minimum diameter of 60 inches.	No more than 2 CSOs, and a total of 1 MG of residual overflow volume under Typical Year conditions.	1/1/2036	1/1/2038	5/31/2040
		017	6th Avenue	Relief sewer to Delaware Street CSO Control Facility	Relief sewer with a minimum diameter of 24 inches.	No more than 1 CSOs, and 1 MG of residual overflow volume under Typical Year conditions.	1/1/2036	1/1/2038	5/31/2040
SSRMP	North Park Rehabilitation Projects		Mill Road SSOs	Sewer and manhole rehabilitation	See Note 8.		1/1/2018	1/1/2019	1/1/2023
SSRMP	North Park Capacity Projects	SSO	Mill Road SSOs	Increase conveyance capacity by upsizing trunk sewers; raise manhole rim elevations; pump flow into CSS	Conveyance pump station with minimum sustained design capacity of 17.7 million gallons per day. Upsize a total length of 7,759 feet of sanitary sewer. Relief sewer diameter will be determined using 10-year level of SSO control. Seal manholes associated with upsized sewer lines. See Evansville's approved Sanitary Sewers Remedial Measures Plan for more specific project details.	0 SSOs, 10-year level of SSO control	1/1/2030	1/1/2031	5/31/2035
SSRMP	Lloyd Expressway Rehabilitation Projects	SSO	Lincoln Avenue SSOs	Sewer and manhole rehabilitation	See Note 9.		1/1/2021	1/1/2022	1/1/2025
SSRMP	Lloyd Expressway Capacity Projects	SSO	Lincoln Avenue SSOs	Increase conveyance capacity by upsizing trunk sewers; raise manhole rim elevations	Upsize a total length of 5,951 feet of sanitary sewer. Relief sewer diameter based on 10-year level of SSO control. Adjust 2 manhole inverts. See Evansville's approved Sanitary Sewers Remedial Measures Plan for more specific project details.	0 SSOs, 10-year level of SSO control			
SSRMP	NW/SW Rehabilitation Projects	SSO	Tekoppel Avenue SSOs	Sewer and manhole rehabilitation	See Note 9.		1/1/2024	1/1/2025	1/1/2027
SSRMP	NW/SW Capacity Projects	SSO	Tekoppel Avenue SSOs	Increase conveyance capacity by upsizing trunk sewers; raise manhole rim elevations; pump flow into CSS	Conveyance pump station with minimum sustained design capacity of 14.5 million gallons per day. Size any relief sewer diameter based on 10-year level of SSO control. See Evansville's approved Sanitary Sewers Remedial Measures Plan for more specific project details.	0 SSOs, 10-year level of SSO control	1/1/2025	12/1/2025	1/1/2030
SSRMP	E-11 Rehabilitation Projects	SSO	Bergdolt Rd SSOs	Sewer and manhole rehabilitation	See Note 9.		1/1/2026	1/1/2027	1/1/2028
SUMME	2 11 Netiabilitation Projects	330	beigaoit na 3303	Sewer and mailtore remanification	See Note 3.		1/1/2024	1/1/2025	1/1/2029

### Case 3:09-cv-00128-WTL-MPB Document 294-1 Filed 04/25/22 Page 23 of 23 PageID #: 4317

Appendix G: Approve	Appendix G: Approved IOCP Remedial Measures, Design Criteria, Performance Criteria, and Implementation Schedule					gn and Performance Criteria	Implementation Schedule		
Control Measure/Plan	Project	Outfall Number	Name	Description	Design Criteria	Performance Criteria	Bid Date	Commencement of	Achievement of
Control Measure/Flan	Floject	or Overflow	Name	Description	Design Criteria	renormance criteria	bid bate	Construction	Full Operation
SSRMP	E-11 Capacity Projects	SSO	Bergdolt Rd SSOs	Increase conveyance capacity by upsizing trunk sewers; raise manhole rim elevations; pump flow into CSS	Conveyance pump station with minimum sustained design capacity of 14.5 million gallons per day. Upsize a total sewer length of 12,043 feet. Relief sewer diameter based on 10-year level of SSO control. Adjust 21 manhole inverts. See Evansville's approved Sanitary Sewers Remedial Measures Plan for more specific project details.	0 SSOs, 10-year level of SSO control	1/1/2027	1/1/2028	1/1/2030
SSRMP	SSS Rehabilitation Projects	SSO	SSS Basins	Sewer and manhole rehabilitation	Defendants shall spend not less than \$3,671,000, in 2015 dollars.		1/1/2024	1/1/2025	1/1/2035

#### Notes:

- 1 With the exception of the SSRMP Projects noted above, this summary table does not include cost information. Capital Costs, Project O&M, and Life Cycle costs are presented with project details in the LTCP, SSRMP, and WWTP Facility Plan.
- 2 Performance criteria based on Evansville's typical precipitation year. Evansville should have no more than four CSO activations within the combined sewer collection system during the typical precipitation year.
- 3 Crossed out boxes in the Implementation Schedule indicated smaller projects whose full completion dates were earlier than the larger projects within the same control measure.
- 4 Dates with an asterix denote dates in the Implementation Schedule that were taken from a larger project in the same control measure, consistent with the 9/29/2015 discussion.
- 5 Effluent from the 7th Avenue Remote Treatment Unit, Diamond Avenue Remote Treatment Unit, the Constructed Wetland, and the VTU shall not exceed the following E. coli criteria from April 1 through October 31 of each year: (A) One hundred twenty-five (125) colony forming units per one hundred (100) milliliters as a geometric mean provided that five (5) grab samples or more are collected over a thirty (30) day period and (B) Two hundred thirty-five (235) colony forming units per one hundred (100) milliliters daily maximum. Daily maximum shall be the geometric mean of all samples on any discharge day provided that three (3) or more grab samples are collected. If less than 3 grab samples are taken then the arithmetic mean shall be reported instead. The goal of the effluent monitoring program is to collect at least 3 grab samples during each discharge event, and the samples shall be collected at shorter intervals at the onset of the event, if Evansville estimates that the event duration may be less than 6 hours.
- 6 Discharges from the wetland treatment system, VTU, 7th Avenue East satellite high rate treatment system, and Diamond Avenue high rate treatment system in compliance with the applicable Design and Performance Criteria in this Appendix G and applicable NPDES permit requirements shall not be considered a "CSO" prohibited by the Consent Decree, as amended, for purposes of determining compliance with the number of CSOs specified by the Performance Criteria applicable to each such system in this Appendix G.
- 7 Per Evansville's 2015 Combined Sewer Overflow Operation Plan (CSOOP) Update, CSOs 009 and 123 are not utilized. Evansville shall physically eliminate both of these CSOs by October 31, 2016 and reflect the elimination of these outfalls in its 2016 CSOOP Update.
- 8 Evansville will achieve a targeted sewershed basin area-weighted median R Value of 5% or less after completion of its rehabilitation projects in the North Park sewershed. In addition, if a sub-basin/sub-catchment within the targeted basin has had a wet-weather SSO in the three years following completion of the rehabilitation projects related to the sub-basin, that sub-basin/sub-catchment shall demonstrate an R value less than 5%.
- 9 Evansville will achieve a targeted sewershed basin area-weighted median R Value of 5% or less in each of the three targeted sewersheds after completion of its rehabilitation projects. In addition, if a sub-basin/sub-catchment within one of the targeted sewershed basins has had a wet-weather SSO in the three years following completion of the corresponding capacity projects related to each sub-basin, that sub-basin/sub-catchment shall demonstrate an R-value less than 5%. This post-capacity project analysis will also include the necessary calculations and information necessary to demonstrate whether the wet weather SSO occurred during a wet weather event that exceeded the 10-year level of control or was equal to or less than the 10-year level of control.