

TRAIL CREEK ESCHERICHIA COLI TMDL REPORT

PREPARED FOR:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER QUALITY
2525 NORTH SHADELAND AVENUE
INDIANAPOLIS, INDIANA 46219

PREPARED BY:

TRIAD ENGINEERING INCORPORATED
325 EAST CHICAGO STREET
MILWAUKEE, WI 53202

In association with

HYDROQUAL, INC.
1200 MACARTHUR BLVD
MAWWAH, NJ 07430

and

T N & ASSOCIATES, INC.
1033 N. MAYFAIR ROAD
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TRIAD ENGINEERING INCORPORATED
PROJECT NO. 1023557

DECEMBER 2003

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Project Manager

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**GENERAL INFORMATION
TRAIL CREEK ESCHERICHIA COLI TMDL REPORT**

SITE NAME: Trail Creek Watershed

ARN NO.: A305-1-01-276-1-0

303d ID No: #37, 14 digit HUC 04040001070030

GENERAL LOCATION: Michigan City, Indiana

REGULATORY CONTACT: Ms. Jennifer Hutchison

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LIST OF ACRONYMS

BASINS	Better Assessment Science Integrating Point and Nonpoint Sources
BMP	best management practices
BOD _u	Ultimate Biochemical Oxygen Demand
CDs	Compact Disks
CFR	Code of Federal Regulations
cfs	cubic feet per second
cfu/100 mL	colony forming units per 100 milliliter
cm	centimeters
COOPID	Cooperative ID
CSO	combined sewer overflow
DMR	Discharge Monitoring Report
E	East
E. coli	Escherichia coli
ERM	Environmental Resources Management
ESRI	Environmental Systems Research Institute
ET	evapotranspiration
EUTRO	WASP Model for dissolved oxygen and eutrophication
FOCS	Field Office Computing System
GIS	Geographic Information System
g/m ³ -day	gallons per cubic meter per day
GPS	Global Positioning System
GWLF	General Water Loading Functions
ha	hectares
hr	hour
HydroQual	HydroQual, Inc.
IAC	Indiana Administrative Code
IDEM	Indiana Department of Environmental Management
LA	Load Allocation for non-point sources
LTCP	Long Term Control Plan
OWQ	Office of Water Quality
M	main
m/day	meters per day
m ² /day	meters per day
mg	million gallons
mgd	million gallons per day
mg/L	milligrams per liter
MHP	Mobile Home Park
mL	milliliters
MOS	margin of safety
NIRPC	Northwestern Indiana Regional Planning Commission
NOAA	National Oceanic and Atmospheric Administration
NCDC	National Climatic Data Center
No.	number
NPDES	National Pollutant Discharge Elimination System
NRCS	National Resource Conservation Service

PCBs	polychlorinated biphenyls
PCS	Permit Compliance System
SSURGO	Soil Survey Geographic
STORET	Storage and Retrieval System
TMDL	total maximum daily load
TN	T N & Associates, Inc.
Triad	Triad Engineering Incorporated
USDA	United States Department of Agriculture
U.S. EPA	United States Environmental Protection Agency
USGS	United States Geological Survey
WASP	Water Quality Analysis Simulation Program
W	West
WLA	Wasteload Allocation for Point Sources
WWTP	Waste Water Treatment Plant