INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
*We Protect Hoosiers and Our Environment.*
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov
**Michael R. Pence**
*Governor*
**Thomas W. Easterly**
*Commissioner*

April 4, 2014

65-40 LN
Fulda Regional Sewer Distrct
PO Box 46
Fulda, IN 47536

Dear Board of Trustees:

Re: Regional District Plan

Pursuant to Indiana Code (IC) 13-26, and as required in the Order forming the Regional District (District), a district plan (Plan) was required to be submitted by the District to the Indiana Department of Environmental Management (IDEM).

IDEM has received and reviewed the District Plan and determined the Plan to be complete. No further action regarding the Plan is required at this time. Please note that the District should send updates to the Plan to IDEM as they occur.

If you have any questions, please feel free to contact me at 800-451-6027, extension (3-0476) or at lnewlon@idem.in.gov.

Sincerely,

Lynne Newlon

Lynne Newlon
Regional District Coordinator
Indiana Department of Environmental Management

IDEM
OFFICE OF
WATER QUALITY
2014 MAR -3 P 12:37

**FULDA REGIONAL SEWER DISTRICT**
**P.O. BOX 46**
**FULDA, INDIANA 47536**

February 25, 2014

IDEM
Attention: Lynne Newlon, Regional District Coordinator
100 North Senate Avenue
MC 65-40, IGCN 1255
Indianapolis, IN 46204-2251

Re: Regional District Plan

Dear Ms. Newlon:

As a point of information, your letter dated January 31, 2014, to our Fulda Regional Sewer District was addressed to P.O. Box ***25,*** Fulda, IN 47536, which is the same erroneous address to which your 2 letters in 2013 had been sent. Fortunately, our Fulda postmaster knew to be watching for your letter and got it to us. As our attorney, Francis Lueken, informed you in his phone conversation with you in January, 2014, the correct address is as it appears on the letterhead above, namely, P.O. Box ***46***, Fulda, IN 47536. If your system is corrected, we should be receiving any future correspondence from your office.

As requested in your January 31, 2014, letter, please find enclosed an executive summary of the Regional District Plan for the Fulda Regional Sewer District which provides the information specifically requested.

Sincerely,

Kathy Seckinger

Kathy Seckinger, Secretary
Fulda Regional Sewer District

# FULDA REGIONAL SEWER DISTRICT
## REGIONAL DISTRICT PLAN
## EXECUTIVE SUMMARY
## DATED: FEBRUARY 25, 2014

### OVERVIEW OF CONSTRUCTION PROJECTS COMPLETED TO DATE

Three major projects have been completed for the Fulda RSD wastewater collection and treatment system. The first two, defined as Division "A" and Division "B", were implemented to install a complete system for what was previously the unsewered, unincorporated community of Fulda in Spencer County, Indiana. The third project was part of a Corrective Action Plan due to a contractor-installed defect discovered approximately 6 years after the original construction.

**DIVISION "A" – NEW WASTEWATER COLLECTION SYSTEM PROJECT**

The scope of work involved the construction of a Septic Tank Effluent Pumping (STEP) collection system which included:

1. New septic tanks with integral effluent pump stations;
2. New low pressure sewer laterals and mains;
3. New air release, vacuum and combination valve structures;
4. New cleanout structures;
5. Site work, miscellaneous piping and other improvements.

**DIVISION "B" – NEW WASTEWATER TREATMENT FACILITIES PROJECT**

The scope of work for the treatment and disposal system included:

1. A combination recirculating vertical flow and subsurface-flow constructed wetland;
2. A drip irrigation system;
3. Related piping, site work, electrical and miscellaneous other improvements.

**CORRECTIVE ACTION PLAN PROJECT**

The scope of work consisted of replacing the top and bottom layers of the media of the recirculating vertical flow constructed Wetland and installing a drip irrigation system to replace the existing recirculation pumps and lateral.

**FULDA REGIONAL SEWER DISTRICT**
**P.O. BOX 46**
**FULDA, INDIANA 47536**

## THE MANNER IN WHICH THE PROJECTS WERE FUNDED

**Divisions A & B Project Funding:**
Community Focus Fund (CFF) Grant No. CF-03-215
County Option Income Tax (COIT) Funds
State Revolving Fund (SRF) Loan
Fulda RSD Funds thru Connection Charges

**Corrective Action Plan Project Funding**:
County Option Income Tax (COIT) Funds
Fulda RSD Funds

## THERE IS ZERO BALANCE OF ANY REMAINING LOAN FUNDS

## THE FULDA REGIONAL SEWER DISTRICT HAS NO CURRENT PLANS FOR EXPANSION

## TYPE OF SYSTEM AND CAPACITY CURRENTLY IN PLACE

The Fulda Regional Sewer District's wastewater collection and treatment system consists of seven main components for delivery, treatment, control and monitoring. Together, these separate components can treat up to 13,102 gallons of wastewater per day. The individual treatment, control and delivery units of the wastewater treatment system are:

1) **Septic Tanks** (pre-treatment) – There are sixty-three 1,250 gallon, three 1,000 gallon and one 2000 gallon two-compartment septic tanks. All 67 tanks have two compartments in their septic tanks. The first compartment holds the solid waste and second compartment has an effluent pump that pumps the wastewater to the Wetland. Once a year the solid waste in the first compartment is sludge judged by our licensed operator. The first compartment will be pumped at that time if needed by a licensed water hauler.

2) **Effluent Pumps** – Each septic system (tank) is equipped with a effluent turbine STEP system to pump the wastewater to a small diameter pressurized force main. This wastewater is forced to the Wetland system.

3) **Influent MAGFLO Flowmeters** - At the entrance to the Wetland there is a influent Magflo flowmeter that is used to measure flowrate into the Wetland for more accurate monitoring and operation of the Wetland.

**4) Vertical Recirculating Constructed Wetlands** – The constructed Wetland are basically self-maintaining. It is made up of 2 cells. Each cell has an upper and lower tier.

**5) Wetland Recirculation Pump Station** – Two recirculating pumps are used to recycle wastewater to the Wetland cells for enhanced treatment.

**6) The Dosing Pump** - Used to provide a uniform dose of wastewater to the soil absorption system. In this system there are 3 multi-stage submersible effluent turbine pumps: one for each irrigation zone.

**7) Subsurface Drip Irrigation System** - Drip (or trickle) subsurface irrigation is a shallow slow rate pressure-dosed system used for land application of pretreated wastewater.

By discharging the wastewater into the root zones of plants, the water is delivered to the most biologically active soil horizon, which enhances treatment. The constant moisture in the root zone also increases the availability of nutrients to plants, reducing the delivery of nitrogen to groundwater.

The design average flow is 8,735 gpd. Our daily average is around 6000 gpd. The average design flow was based on 130 gal/user per day, so 8735 – 6000 = 2735 gpd extra capacity; 2735/130 is 21 new users. So our capacity could be up to 86 customers depending on our daily flow.

**CURRENTLY WE HAVE 65 CUSTOMERS**
**THAT ARE SERVED BY THE REGIONAL DISTRICT.**

**MAP OF DISTRICT'S BOUNDARIES**
**See enclosed District map boundaries.**

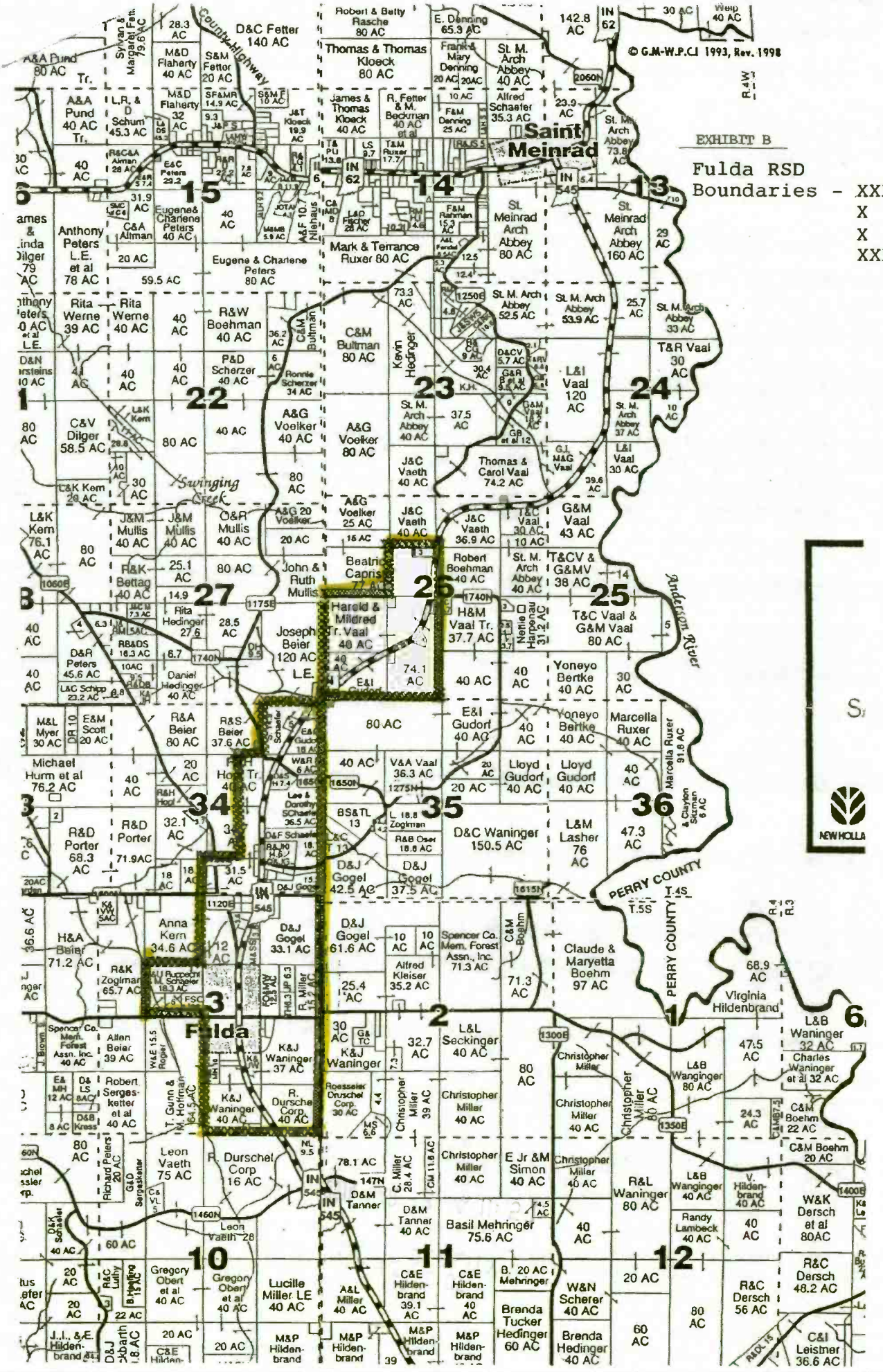
EXHIBIT B
Fulda RSD
Boundaries - XXXX
X X
X X
XXXX
© G.M-W.P.C.I 1993, Rev. 1998
Saint Meinrad
Fulda
PERRY COUNTY
Anderson River
Swinging Creek
County Highway
D&C Fetter 140 AC
Robert & Betty Rasche 80 AC
Thomas & Thomas Kloeck 80 AC
E. Denning 65.3 AC
Frank & Mary Denning 20 AC 20AC
St. M. Arch Abbey 40 AC
142.8 AC
IN 62
30 AC
Weip 40 AC
A&A Pund 80 AC Tr.
Sylvan & Margaret Fett. 79.6 AC
M&D Flaherty 40 AC
S&M Fetter 20 AC
A&A Pund 40 AC Tr.
L.R. & D Schum 45.3 AC
M&D Flaherty 32 AC
James & Thomas Kloeck 40 AC
R. Fetter & M. Beckman 40 AC et al
Alfred Schaefer 35.3 AC
F&M Denning 25 AC
23.9 AC
St. M. Arch Abbey 73.8 AC
EXHIBIT B
Fulda RSD
Boundaries - XXXX
X X
X X
XXXX
Anthony Peters L.E. et al 78 AC
Eugene& Charlene Peters 40 AC
C&A Altman
20 AC
59.5 AC
Eugene & Charlene Peters 80 AC
Mark & Terrance Ruxer 80 AC
St. Meinrad Arch Abbey 80 AC
St. Meinrad Arch Abbey 160 AC
29 AC
Rita Werne 39 AC
Rita Werne 40 AC
R&W Boehman 40 AC
C&M Buttman 80 AC
Kevin Hedinger
St. M. Arch Abbey 52.5 AC
St. M. Arch Abbey 53.9 AC
25.7 AC
St. M. Arch Abbey 33 AC
T&R Vaal 30 AC
P&D Scherzer 40 AC
Ronnie Scherzer 34 AC
C&V Dilger 58.5 AC
A&G Voelker 40 AC
A&G Voelker 80 AC
St. M. Arch Abbey 40 AC
37.5 AC
L&I Vaal 120 AC
St. M. Arch Abbey 37 AC
Thomas & Carol Vaal 74.2 AC
L&I Vaal 30 AC
L&K Kem 76.1 AC
L&K Kem 20 AC
J&M Mullis 40 AC
J&M Mullis 40 AC
O&R Mullis 40 AC
A&G Voelker 25 AC
J&C Vaeth 40 AC
J&C Vaeth 36.9 AC
J&C Vaal 30 AC
G&M Vaal 43 AC
Robert Boehman 40 AC
St. M. Arch Abbey 40 AC
T&CV & G&MV 38 AC
R&K Bettag 40 AC
25.1 AC
Rita Hedinger 27.6
28.5 AC
Joseph Beier 120 AC L.E.
Harold & Mildred Tr. Vaal 40 AC
H&M Vaal Tr. 37.7 AC
T&C Vaal & G&M Vaal 80 AC
D&R Peters 45.6 AC
Daniel Hedinger 40 AC
74.1 AC
Yoneyo Bertke 40 AC
Yoneyo Bertke 40 AC
Marcella Ruxer 40 AC
M&L Myer 30 AC
E&M Scott 20 AC
R&A Beier 80 AC
R&S Beier 37.6 AC
80 AC
E&I Gudorf 40 AC
Yoneyo Bertke 40 AC
Marcella Ruxer 40 AC
Michael Hurm et al 76.2 AC
V&A Vaal 36.3 AC
Lloyd Gudorf 40 AC
Lloyd Gudorf 40 AC
R&D Porter 68.3 AC
R&D Porter 71.9AC
32.1 AC
BS&TL 13
D&C Waninger 150.5 AC
L&M Lasher 76 AC
47.3 AC
D&J Gogel 42.5 AC
D&J Gogel 37.5 AC
H&A Beier 71.2 AC
Anna Kern 34.6 AC
D&J Gogel 33.1 AC
D&J Gogel 61.6 AC
Spencer Co. Mem. Forest Assn., Inc. 71.3 AC
Alfred Kleiser 35.2 AC
25.4 AC
Claude & Maryetta Boehm 97 AC
71.3 AC
68.9 AC
Virginia Hildenbrand
R&K Zoglman 65.7 AC
Spencer Co. Mem. Forest Assn. Inc. 40 AC
Allen Beier 39 AC
K&J Waninger 37 AC
K&J Waninger
32.7 AC
L&L Seckinger 40 AC
80 AC
Christopher Miller
L&B Waninger 32 AC
Charles Waninger et al 32 AC
Robert Sergeskletter et al 40 AC
K&J Waninger 40 AC
R. Durschel Corp. 40 AC
Christopher Miller 39 AC
Christopher Miller 40 AC
Christopher Miller 80 AC
L&B Waninger 80 AC
47.5 AC
24.3 AC
C&M Boehm 22 AC
C&M Boehm 20 AC
80 AC
Leon Vaeth 75 AC
R. Durschel Corp 16 AC
78.1 AC
C. Miller 28.4 AC
Christopher Miller 40 AC
E Jr &M Simon 40 AC
Christopher Miller 40 AC
R&L Waninger 80 AC
L&B Waninger 40 AC
V. Hildenbrand 40 AC
W&K Dersch et al 80AC
D&M Tanner
D&M Tanner 40 AC
Basil Mehringer 75.6 AC
40 AC
Randy Lambeck 40 AC
60 AC
Leon Vaeth 28
Gregory Obert et al 40 AC
Gregory Obert et al 40 AC
Lucille Miller LE 40 AC
A&L Miller 40 AC
C&E Hildenbrand 39.1 AC
C&E Hildenbrand 40 AC
B. 20 AC Mehringer
W&N Scherer 40 AC
Brenda Tucker Hedinger 60 AC
Brenda Hedinger 40 AC
20 AC
80 AC
R&C Dersch 48.2 AC
R&C Dersch 56 AC
C&I Leistner 36.6 AC
J.L. & E. Hildenbrand
M&P Hildenbrand
M&P Hildenbrand
M&P Hildenbrand
M&P Hildenbrand
T.4S
T.5S
R.4W
R.3W
R.4
R.3
NEW HOLLA