



State of Ohio Environmental Protection Agency

STREET ADDRESS:

Lazarus Government Center
50 W. Town St., Suite 700
Columbus, Ohio 43215

TELE: (614) 644-3020 FAX: (614) 644-3184
www.epa.state.oh.us

MAILING ADDRESS:

P.O. Box 1049
Columbus, OH 43216-1049



1PB0001020080609

MONTGOME FARMERSVILLE WWTP

SARLE, EDWARD

2008/06/09

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

Ohio EPA is an Equal Opportunity Employer

Sawyer



State of Ohio Environmental Protection Agency

Southwest District Office

401 East Fifth Street
Dayton, Ohio 45402-2911

TELE: (937) 285-6357 FAX: (937) 285-6249
www.epa.state.oh.us

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

June 9, 2008

Mr. Tom Sears
Village of Farmersville
44 Maple Street
Farmersville, Ohio 45325

Re: Montgomery County, Farmersville WWTP, Compliance Evaluation Inspection

Dear Mr. Sears:

On May 30, 2008, I conducted a Compliance Evaluation Inspection at this facility (NPDES Permit No. OH0020770; OEPA Permit No. 1PB00010*HD). Representing this facility was Steve Morgan, Gary Wagner, John Moore and you. A copy of my inspection report is enclosed.

All areas evaluated in the inspection report were found to be acceptable. However, the WWTP bypasses were noted as being reported incorrectly. Please ensure that future WWTP bypasses are reported in accordance to the NPDES Permit. No additional response is required at this time.

If you have any questions, please call me at (937) 285-6096.

Sincerely,

~~Ned Sartle~~
Division of Surface Water
Permits Section

Enclosures

cc: John Moore, WWTP Operator







State of Ohio Environmental Protection Agency
Southwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1PB00010*HD	OH0020770	5/30/2008	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Farmersville WWTP 4850 Germantown – Farmersville Road Farmersville, Ohio 45325	1:05 P.M.	4/1/2007
	Exit Time	Permit Expiration Date
	2:55 P.M.	3/31/2012
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Tom Sears, Village Administrator	(937) 696-2020	
Steve Morgan, Assistant Village Administrator	(937) 696-2020	
Gary Wagner, Technical Supervisor	(937) 533-0082	
John Moore, WWTP Operator	(937) 696-2020	
Name, Address and Title of Responsible Official	Phone Number	
Tom Sears, Village Administrator 44 Maple Street Farmersville, Ohio 45325	(937) 696-2020	

Section C: Areas Evaluated During Inspection					
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)					
S	Permit	S	Flow Measurement	N	Pretreatment
S	Records/Reports	S	Laboratory	S	Compliance Schedule
S	Operations & Maintenance	S	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	S	Sludge Storage/Disposal	N	Other
S	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)	
See Attached Summary of Findings / Comments.	
Inspector	Reviewer
 Ned Sarle Division of Surface Water Southwest District Office	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
6/9/08 Date	6/9/08 Date

NPDES Permit #: OH0020770
OEPA Permit #: 1PB00010*HD

Sections E thru K: Complete on all inspections as appropriate
Y – Yes, N – No, N/A – Not Applicable, N/E – Not Evaluated

Section E: Permit Verification

Inspection observations verify the permit

- (a) Correct name and mailing address of permittee Y
- (b) Correct name and location of receiving waters..... Y
- (c) Product(s) and production rates conform with permit application (Industries)..... Y
- (d) Flows and loadings conform with NPDES permit..... Y
- (e) Treatment processes are as described in permit application... Y
- (f) New treatment process(es) added since last inspection..... N
- (g) Notification given to State of new, different or increased discharges..... N/A
- (h) All discharges are permitted..... N
- (i) Number and location of discharge points are as described in permit..... Y

Comments/Status:

See Attached Summary of Findings / Comments.

Section F: Permit Violations / Compliance Schedules

- (a) Any significant violations since the last inspection..... N
- (b) Permittee is taking actions to resolve violations..... N/A
- (c) Permittee has a compliance schedule..... Y
- (d) Compliance schedule contained in
- (e) Permittee is meeting compliance schedule..... Y

Comments/Status:

See Attached Summary of Findings / Comments.

Section G: Operation & Maintenance

Treatment Works:

Treatment facility properly operated and maintained

- (a) Standby power available.....generator or dual feed N
- (b) Adequate alarm system available for power or equipment failures.. N
- (c) All treatment units in service other than backup units..... Y
- (d) Wastewater Treatment Works classification (OAC 3745-7)..... I
- (e) Operator of Record holds unexpired license of class required by permit..... Y
 Class: IV
- (f) Copy of certificate of Operator of Record displayed on-site..... Y
- (g) Minimum operator staffing requirements fulfilled (OAC 3745-7)... Y
- (h) Routine and preventative maintenance scheduled/performed... Y
- (i) Any major equipment breakdown since last inspection..... N
- (j) Operation and maintenance manual provided and maintained..... Y
- (k) Any plant bypasses since last inspection..... Y
- (l) Regulatory agency notified of bypasses..... Y
 On MORs and/or Spill Hotline (1-800-282-9378)
- (m) Any hydraulic and/or organic overloads since last inspection..... Y

Record Keeping:

- (a) Log book provided..... Y
- (b) Format of log book (i.e. computer log, hard bound book)

Hard bound notebook.
- (c) Log book(s) kept onsite (in an area protected from weather)..... Y
- (d) Log book contains the following:
 - I. Identification of treatment works..... Y
 - II. Date/times of arrival/departure for Operator of Record and any other operator required by OAC 3745-7..... Y
 - III. Daily record of operation and maintenance activities (including preventative maintenance, repairs and request for repairs)..... Y
 - IV. Laboratory results (unless documented on bench sheets)... Y
 - V. Identification of person making log entries..... Y
- (d) Has the operator of record submitted written notification to the permittee, Ohio EPA and (if applicable) any local environmental agencies when a collection system overflow, treatment plant bypass or effluent limit violation has occurred..... Y

Section G: Operation & Maintenance (con't)

Collection System:

- (a) Percent combined system: 0%
- (b) Any collection system overflows since last inspection..... Y
(CSO and/or SSO)
- (c) Regulatory agency notified of overflows (SSOs)..... Y
- (d) CSO O&M plan provided and implemented..... N/E
- (e) CSOs monitored and reported in accordance with permit..... N/E
- (f) Portable pumps used to relieve system..... N
- (g) Lift station alarms provided and maintained..... Y
- (h) Are lift stations equipped with permanent standby power
or equivalent..... Y
- (i) Is there an inflow/infiltration problem (separate sewer system),
or were there any major repairs to collection system since
last inspection..... Y
- (j) Any complaints received since last inspection of basement flooding N
- (k) Are any portions of the sewer system at or near capacity..... N

Comments/Status:

See Attached Summary of Findings / Comments.

Section H: Sludge Management

- (a) Sludge management plan (SMP)
Submitted date: Approval #: Not submitted N/A
- (b) Sludge management plan current..... N/E
- (c) Sludge adequately disposed..... N/E
(Method:)
- (d) If sludge is incinerated, where is ash disposed of
- (e) Is sludge disposal contracted..... N/E
(Name:)
- (f) Has amount of sludge generated changed significantly since
last inspection..... N/E
- (g) Adequate sludge storage provided at plant..... N/E
- (h) Land application sites monitored and inspected per SMP..... N/E
- (i) Records kept in accordance with State and Federal law..... N/E
- (j) Any complaints received in last year regarding sludge..... N/E
- (k) Is sludge adequately processed (digestion, pathogen control)..... N/E

Comments/Status:

Section I: Self-Monitoring Program

Flow Measurement:

- (a) Primary flow measuring device operated and maintained..... Y
Type of device: Ultrasonic & Parshall flume Ultrasonic & Weir Weir
Calculated from influent Other (Specify:)
- (b) Calibration frequency adequate Y
(Date of last calibration: 5/16/2008)
- (c) Secondary instruments operated and maintained..... Y
- (d) Flow measurement equipment adequate to handle full range
of flows..... Y
- (e) Actual flow discharged is measured..... Y
- (f) Flow measuring equipment inspection frequency
 Daily Weekly monthly other

Comments/Status:

Flow equipment may measure 0 -1.0 MGD.

Section I: Self-Monitoring Program (con't)

Sampling:

- (a) Sampling location(s) are as specified by permit..... Y
- (b) Parameters and sampling frequency agree with permit..... Y
- (c) Permittee uses required sampling method..... Y
- (d) Sample collection procedures are adequate..... Y
 - (i) Samples refrigerated during compositing..... Y
 - (ii) Proper preservation techniques used..... Y
 - (iii) Containers and sample holding times prior to analysis conform with 40 CFR 136.3..... Y
- (e) Monitoring records (i.e., flow, pH, DO) maintained for a minimum of three years including all original strip chart recordings (i.e., continuous monitoring instrumentation, calibration and maintenance records)..... Y
- (f) Adequate records maintained of sampling date, time, location, etc.. Y

Laboratory:

General

- (a) EPA approved analytical testing procedures used (40 CFR 136.3).. Y
- (b) If alternate analytical procedures are used, proper approval has been obtained..... N/A
- (c) Analyses being performed more frequently than required by permit. Y
- (d) If (c) is yes, are results in permittee's self-monitoring report..... Y
- (e) Commercial laboratory used..... Y
Parameters analyzed by commercial lab: Fecal coliform, Oil & Grease, metals, cyanide, phosphorus, and sludge analyses.

Lab name: Belmont Lab

Quality Control/Quality Assurance

- (f) Quality assurance manual provided and maintained..... N/E
- (g) Satisfactory calibration and maintenance of instruments/equipment. N/E
- (h) Adequate records maintained..... N/E
- (i) Results of latest USEPA quality assurance performance sampling program:

Satisfactory Marginal Unsatisfactory

Date:

Comments/Status:

None.

Section J: Effluent/Receiving Water Observations

Outfall Number	Outfall signage	Oil sheen	Grease	Turbidity	Visible Foam	Visible Floating Solids	Color	Other
001	N/A	-	-	-	-	-	clear	

Comments/Status:

None.

Section K: Multimedia Observations

- (a) Are there indications of sloppy housekeeping or poor maintenance in work and storage areas or laboratories..... N
- (b) Do you notice staining or discoloration of soils, pavement or floors.. N
- (c) Do you notice distressed (unhealthy, discolored, dead) vegetation.. N
- (d) Do you see unidentified dark smoke or dust clouds coming from sources other than smokestacks..... N
- (e) Do you notice any unusual odors or strong chemical smells..... N
- (f) Do you see any open or unmarked drums, unsecured liquids, or damaged containment facilities..... N

If any of the above are observed, ask the following questions:

- (1) What is the cause of the condition?
- (2) Is the observed condition or source a waste product?
- (3) Where is the suspected contaminant normally disposed?
- (4) Is this disposal permitted?
- (5) How long has the condition existed and when did it begin?

Comments/Status:

None.

NPDES Permit #: OH0020770
OEPA Permit #: 1PB00010*HD

Summary of Findings / Comments

The Farmersville WWTP consists of a mechanical screen, two aeration tanks, two secondary clarifiers, a chlorination system and a dechlorination system. Two aerated sludge holding tanks are also provided.

A review of the Monthly Operating Reports (MORs) for April 2007 through April 2008 indicated no NPDES Permit violations. We commend Farmersville for this performance.

The WWTP is designed for an average daily flow rate of 220,000 gpd and a peak hourly flow rate of 3,200,000 gpd. A review of the MORs for April 2007 through April 2008 indicated that the average daily flow rate was 180,000 gpd and the peak daily flow rate was 555,000 gpd. For April 2006 through March 2007, the average daily flow was 230,000 gpd, and this flow rate exceeded the WWTP design. The average daily flow for April 2005 through March 2006 was 160,000 gpd. Farmersville should monitor the WWTP flows and potential for future growth. As existing flows plus planned future growth approach the WWTP design, Farmersville will need to expand the WWTP. This process typically takes between three to four years and is easier to accomplish when the WWTP still has sufficient remaining capacity.

A Consent Order (CO) was filed on March 5, 2007 concerning the sewage collection and treatment system bypasses. The CO required the Walnut Street Improvement Phase I project be started by September 1, 2006 and be completed by March 1, 2007. This work was started in 2005 and completed in 2006. The CO also required the Walnut Street Improvement Phase II project be started by September 1, 2007 and be completed by March 1, 2008. This work was started in April 2007 and completed in October 2007. The CO required that an illegal connection elimination program be implemented by March 1, 2007. The CO also required that a program for replacing missing cleanout caps be implemented by March 1, 2007. Farmersville substantially completed these requirements by March 31, 2007. Farmersville is continuing to work on more sewage collection system infiltration and inflow reduction projects. The CO required the sewage collection system be smoke tested by March 1, 2010. Farmersville appears to have also substantially completed this work. Finally, an SSSSES plan must be submitted to the Ohio EPA by March 1, 2011. The SSSSES plan will also require Ohio EPA approval.

An annual report is required to be submitted by March 31 of each year. This requirement is addressed in both the Consent Order and the NPDES Permit in Part II, section D. The most recent annual report was submitted on March 31, 2008. This report addressed a cross connection that was found at 110 North Main Street. This connection was originally sealed with concrete. However, this concrete plug had deteriorated over time. Farmersville has permanently removed this pipe section. Additional cross connections would not be expected. The whole sewage collection system has been smoke tested. This testing should have revealed the presence of any additional cross connections.

NPDES Permit #: OH0020770
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For March 2007 through April 2008, two WWTP bypasses were reported. These bypasses were reported on February 6, 2008 and March 19, 2008. These bypasses occurred when the mechanical screening channel and aeration tanks overflowed. These bypasses were the result of excessive infiltration and inflow from large storm events. The bypasses were reported at station 300 which is reserved strictly for collection system bypasses. This is not correct. These WWTP bypasses should be reported in accordance to the NPDES Permit as detailed in Part III, Sections 11 and 12 titled "Unauthorized Discharges" and "Noncompliance Notifications."

Portable pumps are used for emergency operations for the five collection system pump stations.

In 2007, all sludge was land applied to farm fields in Montgomery. Immediate injection was used for 9.14 dry tons, and lime stabilization was used for 4.24 dry tons. Miller Enterprise is used for the land application program.

The Farmersville WWTP is required to be under the supervision of a Class I wastewater treatment operator. Gary Wagner who is contracted as the WWTP technical supervisor satisfies this requirement. Gary Wagner is a Class IV operator. John Moore recently obtained his Class I wastewater operator certification and will become the new WWTP certified operator. John Moore is encouraged to pursue his Class II operator certification. If the Farmersville WWTP is expanded to treat flows greater than 250,000 gpd, a minimum of a class II operator will be required.

A backup generator has not been provided for emergency operations. The Ohio EPA recommends a backup power source in the event of a power outage.

The Ohio EPA recommends that Farmersville maintain a rain gauge at the WWTP so that precipitation may be monitored and recorded. This information should be useful to evaluate infiltration and inflow reduction projects and bypasses from the sewage collection and treatment system. This information would also be good to include in reports addressing bypasses from the sewage collection and treatment system. Enclosed is information on storm return frequencies. This information may also be useful for documenting the size of these storms.



POINT PRECIPITATION FREQUENCY ESTIMATES FROM NOAA ATLAS 14



Ohio 39.637 N 84.412 W 800 feet

from "Precipitation-Frequency Atlas of the United States" NOAA Atlas 14, Volume 2, Version 3
G.M. Bonnin, D. Martin, B. Lin, T. Parzybok, M. Yekta, and D. Riley
NOAA, National Weather Service, Silver Spring, Maryland, 2004

Extracted: Wed Jun 4 2008

Confidence Limits	Seasonality	Location Maps	Other Info	GIS data	Maps	Help	Docs	U.S. Map
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Precipitation Frequency Estimates (inches)																		
ARI* (years)	5 min	10 min	15 min	30 min	60 min	120 min	3 hr	6 hr	12 hr	24 hr	48 hr	4 day	7 day	10 day	20 day	30 day	45 day	60 day
1	0.36	0.57	0.69	0.92	1.12	1.32	1.41	1.68	1.98	2.31	2.70	3.10	3.67	4.16	5.71	7.09	8.97	10.68
2	0.43	0.67	0.82	1.10	1.35	1.59	1.70	2.02	2.37	2.77	3.23	3.70	4.36	4.94	6.75	8.35	10.53	12.51
5	0.51	0.79	0.97	1.33	1.67	1.96	2.09	2.48	2.90	3.38	3.92	4.45	5.22	5.91	7.95	9.72	12.14	14.34
10	0.57	0.87	1.07	1.49	1.90	2.24	2.40	2.84	3.31	3.85	4.45	5.04	5.91	6.67	8.89	10.76	13.37	15.74
25	0.64	0.97	1.20	1.70	2.20	2.61	2.81	3.33	3.85	4.48	5.17	5.82	6.85	7.70	10.14	12.14	14.95	17.56
50	0.69	1.04	1.29	1.85	2.44	2.90	3.14	3.72	4.28	4.97	5.72	6.43	7.58	8.52	11.10	13.18	16.14	18.91
100	0.74	1.11	1.38	1.99	2.66	3.18	3.47	4.11	4.71	5.47	6.27	7.05	8.33	9.34	12.04	14.20	17.27	20.21
200	0.79	1.17	1.46	2.13	2.89	3.47	3.80	4.50	5.14	5.97	6.83	7.66	9.09	10.17	12.98	15.19	18.35	21.45
500	0.84	1.24	1.55	2.30	3.18	3.85	4.25	5.04	5.72	6.65	7.57	8.47	10.11	11.28	14.20	16.47	19.73	23.02
1000	0.89	1.29	1.61	2.42	3.40	4.13	4.59	5.46	6.16	7.16	8.13	9.10	10.89	12.14	15.12	17.41	20.73	24.15

* These precipitation frequency estimates are based on a partial duration series. ARI is the Average Recurrence Interval. Please refer to the documentation for more information. NOTE: Formatting forces estimates near zero to appear as zero.

* Upper bound of the 90% confidence interval Precipitation Frequency Estimates (inches)																		
ARI** (years)	5 min	10 min	15 min	30 min	60 min	120 min	3 hr	6 hr	12 hr	24 hr	48 hr	4 day	7 day	10 day	20 day	30 day	45 day	60 day
1	0.40	0.62	0.76	1.00	1.22	1.43	1.54	1.83	2.15	2.46	2.86	3.28	3.88	4.39	6.01	7.44	9.38	11.17
2	0.47	0.73	0.90	1.20	1.47	1.73	1.85	2.20	2.58	2.95	3.42	3.91	4.60	5.22	7.11	8.76	11.02	13.08
5	0.55	0.86	1.06	1.45	1.81	2.12	2.27	2.69	3.15	3.59	4.16	4.71	5.53	6.24	8.37	10.18	12.70	15.00
10	0.62	0.95	1.17	1.62	2.07	2.42	2.60	3.08	3.58	4.09	4.72	5.32	6.25	7.04	9.36	11.29	13.98	16.46
25	0.69	1.06	1.30	1.84	2.39	2.82	3.04	3.59	4.17	4.76	5.47	6.15	7.22	8.14	10.67	12.72	15.64	18.36
50	0.75	1.13	1.40	2.00	2.64	3.13	3.39	4.01	4.62	5.28	6.05	6.79	8.00	8.99	11.67	13.82	16.87	19.77
100	0.80	1.20	1.49	2.15	2.88	3.42	3.74	4.42	5.08	5.80	6.63	7.44	8.78	9.86	12.67	14.90	18.06	21.13
200	0.85	1.27	1.58	2.31	3.13	3.73	4.09	4.85	5.54	6.33	7.22	8.09	9.58	10.74	13.67	15.96	19.22	22.44
500	0.92	1.35	1.68	2.49	3.44	4.14	4.57	5.42	6.16	7.04	8.01	8.96	10.66	11.93	14.98	17.34	20.68	24.11
1000	0.96	1.40	1.75	2.62	3.68	4.44	4.94	5.87	6.64	7.59	8.62	9.63	11.50	12.84	15.96	18.36	21.77	25.31

* The upper bound of the confidence interval at 90% confidence level is the value which 5% of the simulated quantile values for a given frequency are greater than.
** These precipitation frequency estimates are based on a partial duration series. ARI is the Average Recurrence Interval.

Please refer to the documentation for more information. NOTE: Formatting prevents estimates near zero to appear as zero.

* Lower bound of the 90% confidence interval Precipitation Frequency Estimates (inches)																		
ARI** (years)	5 min	10 min	15 min	30 min	60 min	120 min	3 hr	6 hr	12 hr	24 hr	48 hr	4 day	7 day	10 day	20 day	30 day	45 day	60 day
1	0.34	0.52	0.64	0.84	1.03	1.22	1.30	1.55	1.83	2.18	2.54	2.94	3.48	3.94	5.43	6.75	8.56	10.22
2	0.40	0.62	0.76	1.01	1.24	1.47	1.57	1.87	2.19	2.61	3.05	3.51	4.12	4.68	6.42	7.95	10.05	11.97
5	0.47	0.73	0.89	1.22	1.53	1.80	1.93	2.29	2.67	3.19	3.70	4.21	4.95	5.60	7.56	9.24	11.58	13.72
10	0.52	0.80	0.98	1.37	1.74	2.06	2.21	2.62	3.04	3.62	4.20	4.77	5.59	6.32	8.44	10.23	12.74	15.05
25	0.58	0.89	1.10	1.55	2.01	2.39	2.58	3.06	3.53	4.21	4.86	5.49	6.46	7.28	9.61	11.53	14.23	16.76
50	0.63	0.95	1.18	1.69	2.22	2.65	2.86	3.40	3.91	4.66	5.37	6.06	7.14	8.03	10.50	12.49	15.34	18.02
100	0.67	1.01	1.25	1.81	2.42	2.89	3.15	3.73	4.28	5.12	5.87	6.62	7.81	8.77	11.36	13.43	16.38	19.22

200	0.71	1.06	1.32	1.93	2.62	3.13	3.43	4.08	4.65	5.57	6.37	7.17	8.49	9.53	12.22	14.33	17.38	20.35
500	0.76	1.12	1.40	2.07	2.86	3.45	3.80	4.52	5.13	6.17	7.03	7.89	9.39	10.52	13.32	15.48	18.63	21.76
1000	0.79	1.16	1.45	2.17	3.04	3.68	4.08	4.86	5.49	6.61	7.52	8.44	10.07	11.27	14.13	16.32	19.51	22.78

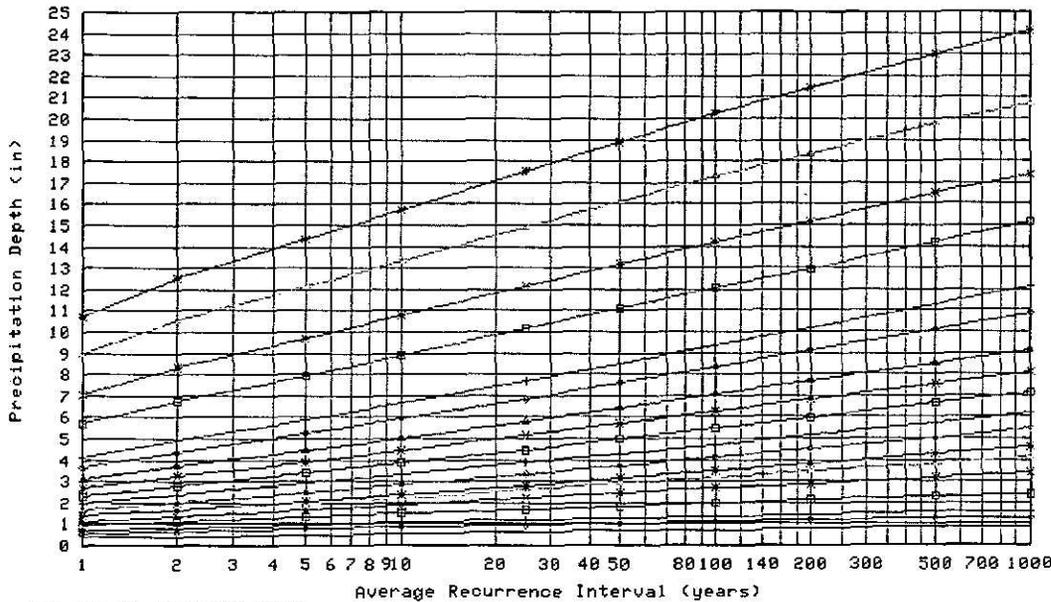
* The lower bound of the confidence interval at 90% confidence level is the value which 5% of the simulated quantile values for a given frequency are less than.

** These precipitation frequency estimates are based on a partial duration maxima series. ARI is the Average Recurrence Interval.

Please refer to the documentation for more information. NOTE: Formatting prevents estimates near zero to appear as zero.

Text version of tables

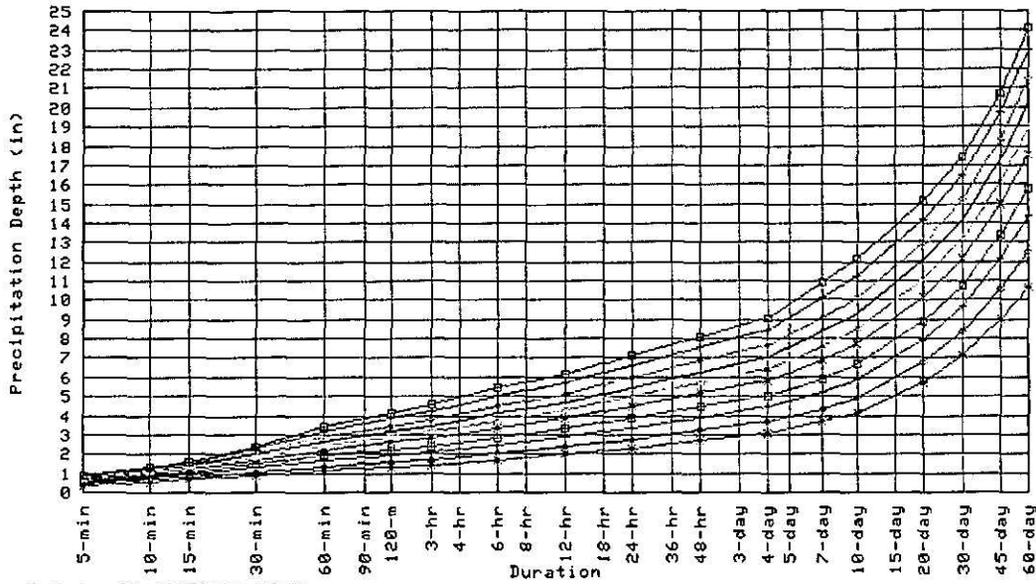
Partial duration based Point Precipitation Frequency Estimates - Version: 3
39.637 N 84.412 W 800 ft



Wed Jun 04 16:28:04 2008

Duration							
5-min	—	120-min	—	48-hr	—x	30-day	—x
10-min	—+	3-hr	—x	4-day	—+	45-day	—x
15-min	—+	6-hr	—+	7-day	—+	60-day	—x
30-min	—o	12-hr	—+	10-day	—+		
60-min	—x	24-hr	—o	20-day	—o		

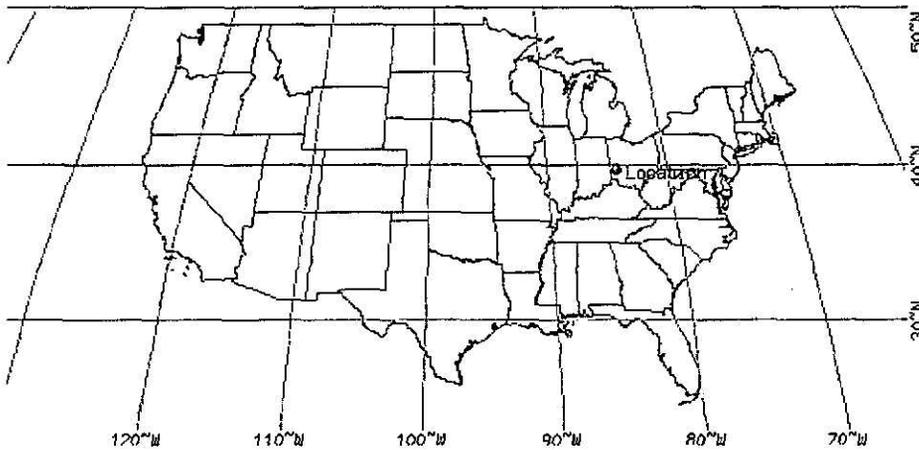
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Wed Jun 04 16:28:04 2008

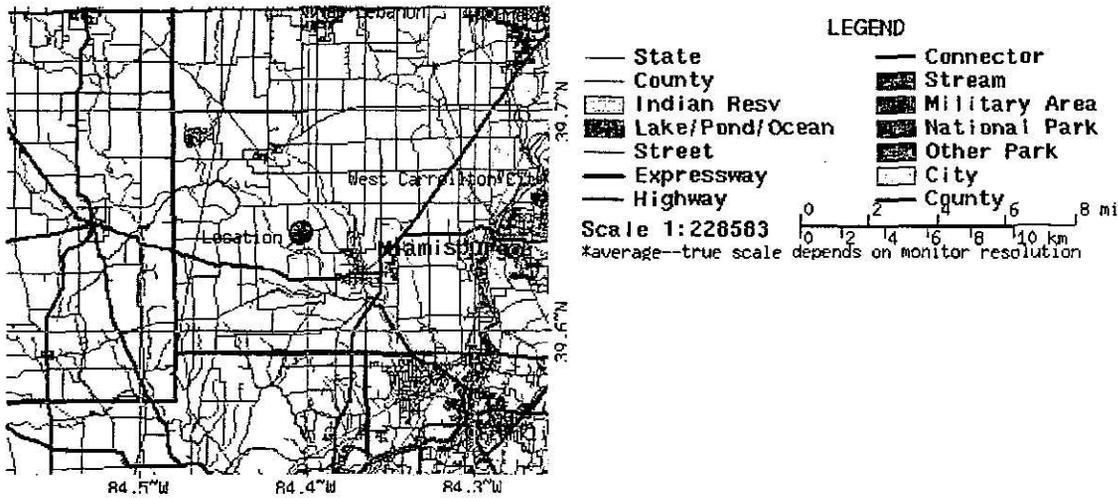
Average Recurrence Interval (years)	
1	↑
2	↑
5	↑
10	↑
20	↑
50	↑
100	↑

Maps -



These maps were produced using a direct map request from the U.S. Census Bureau Mapping and Cartographic Resources Tiger Map Server.

Please read disclaimer for more information.



Other Maps/Photographs -

View [USGS digital orthophoto quadrangle \(DOQ\)](#) covering this location from TerraServer; [USGS Aerial Photograph](#) may also be available from this site. A DOQ is a computer-generated image of an aerial photograph in which image displacement caused by terrain relief and camera tilts has been removed. It combines the image characteristics of a photograph with the geometric qualities of a map. Visit the [USGS](#) for more information.

Watershed/Stream Flow Information -

Find the [Watershed](#) for this location using the U.S. Environmental Protection Agency's site.

Climate Data Sources -

Precipitation frequency results are based on data from a variety of sources, but largely [NCDC](#). The following links provide general information about observing sites in the area, regardless of if their data was used in this study. For detailed information about the stations used in this study, please refer to our documentation.

Using the [National Climatic Data Center's \(NCDC\)](#) station search engine, locate other climate stations within:

...OR... of this location (39.637/-84.412). Digital ASCII data can be obtained directly from [NCDC](#).

Hydrometeorological Design Studies Center
 DOC/NOAA/National Weather Service
 1325 East-West Highway
 Silver Spring, MD 20910
 (301) 713-1669
 Questions?: HDSC.Questions@noaa.gov

[Disclaimer](#)



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