ADEQ

ARKANSAS
Department of Environmental Quality

June 10, 2009

Gary Smith, Utilities Director
City Of Van Buren
P.O. Box 1269
Van Buren, AR 72956

RE: Sanitary Sewer Overflow Inspection at the South Plant

AFIN: 17-00062 NPDES Permit No.: AR0021482

Dear Mr. Smith:

On May 19, 2009, I performed a Sanitary Sewer Overflow Inspection of the above referenced facility in accordance with the provisions of the Federal Clean Water Act, the Arkansas Water and Air Pollution Control Act, and the regulations promulgated thereunder. This inspection revealed the following:

1. Facility personnel are not maintaining adequate records or logs to confirm that pump stations are being inspected on a daily basis.

2. The City utilizes eight pump stations within the collection system, but it appears that only one has an on-site back up generator.

The above items require your immediate attention. Please submit a written response to these findings to Cindy Garner, Water Division Enforcement Branch Manager of this Department. The response should be mailed to the address below. This response should contain detailed documentation describing the course of action taken to address the items noted. This action should be completed as soon as possible, and the written response with all necessary documentation (i.e. picture) is due by June 23, 2009.

If I can be of any assistance, please contact me at 479-452-4822 ext. 11.

Sincerely,

Jeff Tyler
District 4 Field Inspector
Water Division

cc: Water Division Enforcement Branch
Water Division Permits Branch

EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460

NPDES Compliance Inspection Report

Form Approved
OMB No. 2040-0003

Section A: National Data System Coding

1	Transaction Code	2	NPDES	11	12	Yr/Mo/Day	17	18	Inspec. Type	19	Inspector	20	Fac. Type
	N	5	AR0021482			090519			V		S		1

Remarks: AFIN 17-00062

67	Inspection Work Days	69	70	Facility Evaluation Rating	71	BI	72	QA	73	Reserved	74	75	Reserved	80
				N		N		N						

Section B: Facility Data

Name and Location of Facility Inspected *(For industrial users discharging to POTW, also include POTW name and NPDES permit number)*	Entry Time/Date	Permit Effective Date
City of Van Buren POTW (South plant) **Fourth Street Pump Station** **Van Buren** **Crawford Count y**	**1100/ May 19, 2009**	**March 1, 2009**
	Exit Time/Date **1130 / May 19, 2009**	Permit Expiration Date **February 28, 2014**

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	Other Facility Data
James Dunn / City Maintenance / 479-651-4449 & Brett Painter / Maintenance	**N 35˚25'34"** **W 94˚ 20'46"**
Name, Address of Responsible Official/Title/Phone and Fax Number **Gary Smith, Utilities Director** **City of Van Buren** **P.O. Box 1269** **Van Buren, AR 72957**	Contacted Yes ☐ No ☑

Section C: Areas Evaluated During Inspection
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

S	Permit	N	Flow Measurement	M	Operations & Maintenance	N	Sampling
M	Records/Reports	N	Self-Monitoring Program	N	Sludge Handling/Disposal	N	Pollution Prevention
S	Facility Site Review	N	Compliance Schedules	N	Pretreatment	N	Multimedia
N	Effluent/Receiving Waters	N	Laboratory	N	Storm Water	S	SSO:

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

The City of Van Buren south plant utilizes 8 pump stations within the system and only one station has an on- site back up generator.

Maintenance logs are not being maintained to confirm that pump stations are inspected on a daily basis.

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Telephone/Fax	Date
Jeff Tyler	**ADEQ / Fort Smith / 479-452-4822 ext. 11 / fax 479-452-4827**	**June 9, 2009**
Signature of Reviewer	Agency/Office/Phone and Fax Numbers	Date

COLLECTION SYSTEM INSPECTION AND OVERALL RATING	☑S ☐M ☐U ☐NA ☐NE
PROVIDE A BRIEF DESCRIPTION OF THE COLLECTION SYSTEM: **Eight pump stations and an activated sludge treatment system**	
POPULATION SERVED/NUMBER OF RESIDENTIAL AND COMMERCIAL CONNECTIONS: **13,800 population with 4665 connections**	
FEET OF SEWER SYSTEM: **622,000**	
AGE OF SYSTEM: **45 years**	
DOES THE SYSTEM EXPERIENCE PROBLEMS DURING DRY OR WET WEATHER (EXPLAIN): **High flows during rainfall events**	☑Y ☐N ☐NA ☐NE
IS THERE A SYSTEM IN PLACE FOR REPORTING SSOS TO ADEQ (DESCRIBE): **All SSO's are reported through the ADEQ internet reporting system.**	☑Y ☐N ☐NA ☐NE
ARE ALL SSOs REPORTED REGARDLESS OF SIZE:	☑Y ☐N ☐NA ☐NE
HAVE SSOs REACHED "WATERS OF THE U.S." (LIST DATE AND LOCATION OF EACH):	☑Y ☐N ☐NA ☐NE
The dates and locations are reported at time of incident.	

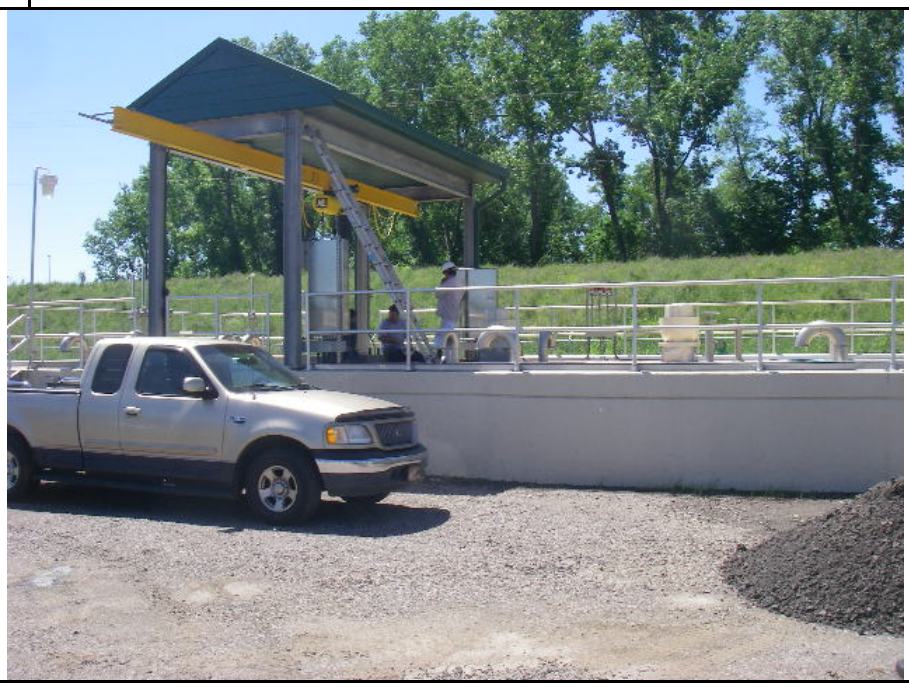
PUMP STATIONS		☐S ☑M ☐U ☐NA ☐NE
NUMBER OF PUMP STATIONS IN SYSTEM: **Eight**	NUMBER WITH BACKUP POWER: **One**	
HOW OFTEN ARE PUMP STATIONS INSPECTED/MONITORED: **Daily**		
ARE MAINTENANCE RECORDS AND/OR OPERATOR LOGS KEPT: **No**		
ADEQUATE INVENTORY OF SPARE PARTS: **Yes**		
TYPE OF REMOTE ELECTRONIC MONITORING USED (I.E. SCADA OR AUTO DIALERS): **SCADA**		
BRIEF SUMMARY OF EMERGENCY PROCEDURES: **Respond when notified by SCADA**		
NUMBER OF PUMP STATIONS VISITED DURING INSPECTION (SEE ATTACHED CHECKLISTS FOR EACH): **One**		

SATELLITE SYSTEMS	☐S ☐M ☐U ☑NA ☐NE
DOES THE COLLECTION SYSTEM RECEIVE FLOW FROM SATELLITE SYSTEMS:	
TYPE(S) OF WASTE WATER RECEIVED: ☐RESIDENTIAL ☐COMMERCIAL ☐INDUSTRIAL ☐OTHER:	
BRIEFLY DESCRIBE THE SATELLITE SYSTEM:	
ANY KNOWN PROBLEMS WITH SATELLITE SYSTEM:	
NAME, ADDRESS AND PHONE NUMBER OF PERSON RESPONSIBLE FOR SATELLITE SYSTEM:	

PUMP STATION VISIT (COMPLETE A SEPARATE CHECKLIST FOR EACH PUMP STATION VISITED)	
GENERAL INFORMATION AND OVERALL EVALUATION	**☑S ☐M ☐U ☐NA**
NAME AND/OR LOCATION OF PUMP STATION: **Fourth Street pump station**	
TYPE(S) OF WASTE WATER RECEIVED: ☑RESIDENTIAL ☑COMMERCIAL ☑INDUSTRIAL ☐OTHER:	
NUMBER OF PUMPS: **Two**	NUMBER OPERATIONAL: **Two**
NUMBER AND SIZE OF PUMPS APPEARS ADEQUATE:	**☑S ☐M ☐U ☐NA ☐NE**
EVIDENCE OF RECENT OVERFLOWS OR HIGH LEVELS:	**☐Y ☑N ☐NA ☐NE**
GENERAL OPERATION AND MAINTENANCE	**☑S ☐M ☐U ☐NA**
CLEAN AND WELL MAINTAINED WITH MINIMAL STORAGE OF UNRELATED EQUIPMENT:	**☑S ☐M ☐U ☐NA ☐NE**
GATES/DOORS/HATCHES/LIDS/ETC. LOCKED TO PREVENT UNAUTHORIZED ACCESS AND/OR TAMPERING:	**☑S ☐M ☐U ☐NA ☐NE**
WET WELLS, SUMPS AND PITS ADEQUATELY COVERED, GRATED OR OTHERWISE PROTECTED:	**☑S ☐M ☐U ☐NA ☐NE**
ELECTRICAL CONTROLS COVERS CONDUIT AND EQUIPMENT PROPERLY INSTALLED AND MAINTAINED:	**☑S ☐M ☐U ☐NA ☐NE**
GUARDS AND SHIELDS IN PLACE AROUND MOVING EQUIPMENT (BELTS, PULLEYS, DRIVESHAFTS, ETC.) :	**☑S ☐M ☐U ☐NA ☐NE**
ADEQUATE VENTILATION TO PREVENT EXCESSIVE CONDENSATION AND/OR GASES AND FUMES:	**☑S ☐M ☐U ☐NA ☐NE**
ADEQUATE LIGHTING FOR ROUTINE INSPECTION/MAINTENANCE:	**☑S ☐M ☐U ☐NA ☐NE**
SEALS, VALVES AND PACKING ADEQUATELY MAINTAINED TO PREVENT LEAKS:	**☑S ☐M ☐U ☐NA ☐NE**
MINIMAL ACCUMULATION OF GREASE AND SOLIDS IN WET WELLS:	**☑S ☐M ☐U ☐NA ☐NE**
BACKUP POWER AND ALARMS	**☑S ☐M ☐U ☐NA**
PROVISIONS FOR GENERATOR AND/OR EMERGENCY TRANSFER PUMP:	**☑S ☐M ☐U ☐NA ☐NE**
AUDIBLE/VISUAL ALARM WITH EMERGENCY CONTACT INFORMATION POSTED:	**☐S ☐M ☐U ☑NA ☐NE**
SCADA SYSTEM (LIST PARAMETERS MONITORED): **high& low flow and pump failure,**	**☑Y ☐N ☐NA ☐NE**

Water Division NPDES Photographic Evidence Sheet								
Location:	City of Van Buren POTW (Fourth Street pump station)							
Photographer:	Jeff Tyler			**Witness:**	None			
Photo #	1	**Of**	2	**Date:**	05-19-09	**Time:**	1022	
Description:	View of pump station and generator							

Photographer:	Jeff Tyler			**Witness:**	None			
Photo #	2	**Of**	2	**Date:**	05-19-09	**Time:**	1022	
Description:	View of pump station.							



Date started	Date stopped	Volume	Environmental damage	Description	Cause	Stream	Location
1/14/2009	1/14/2009	500	NEAH	Manhole #776 Overflow	Debris	Ground Surface, Paved Area	3603 B Elm St.
11/29/2006	11/29/2006	150	none	overflow from customers cleanout due to stop up in mainline	debris		412 Meyer Dr.
11/27/2006	11/27/2006	1000	none	overflow at manhole #749A	grease		Railroad yard
11/30/2006	11/30/2006	300	OEHC	overflow into house and from customers cleanout due to stop up in mainline	heavy rainfall and debris		4011 Pond St.
12/4/2006	12/4/2006	1800	none	manhole at City Park lift station overflowed	power outage caused starter coil and 3 main fuses to blow; equipment failure		1403 City Park Rd.
12/4/2006	12/4/2006	1000	none	manhole #735 overflow	grease,debris		27th St. and Kibler Rd.
1/15/2007	1/15/2007	2500	none	City Park Lift Station manhole overflow	power failure		
1/13/2007	1/13/2007	500	none	manhole #776, overflow	rainfall, roots		3603 Elm St.
1/13/2007	1/13/2007	100	none	manhole # 437 overflow	rainfall		301 North 11th
1/4/2007	1/4/2007	500	none	manhole 1142 overflow	grease		2801 Laura Lane A
1/4/2007	1/4/2007	100	none	overflow from customers cleanout due to stoppage in main line	debris		1105 North 25th St.
12/31/2006	12/31/2006	600	none	overflow	debris		205 North

Date started	Date stopped	Volume	Environmental damage	Description	Cause	Stream	Location
				from customers cleanout			35th St.
1/24/2007	1/24/2007	50	none	manhole #285	grease		North 11th St. and Lincoln St.
1/23/2007	1/23/2007	1500	none	manhole #637	grease		110 North 7th
1/23/2007	1/23/2007	500	none	overflow from customers cleanout	roots, grease		1805 Dechard
10/7/2006	10/7/2006	10	none	mainline stopup due to roots/grease; customer cleanout was higher than floow elevation; sewer backed up into bathtub	roots,grease		1606 North 28th St.
3/1/2005	3/2/2005	3000	unknown	101 Lura Lane, manhole #805	Grease	ditch	
12/5/2004	12/5/2004	200	none	201 S. 42nd St.	grease		
12/7/2004	12/7/2004	100	none	101 Lura Lane	grease		
3/1/2005	3/2/2005	3500	NO	overflow of manhole #805 at 101 Lura Lane	grease	ditch by 101 Lura Lane	
3/14/2005	3/14/2005	1500	unknown	1005 North 28th, manholes #547 & 548	Grease	ground	
6/3/2006	6/3/2006	50	unknown	Manhole #567H	grease	building	1904 North 29th
6/7/2006	6/7/2006	800		Manhole #449A	grease & debris	ground	13th & Murta
11/27/2006	11/27/2006	1000	NEAH	Manhole overflow	Grease	GR	Railroad Yard MH 749 A

Date started	Date stopped	Volume	Environmental damage	Description	Cause	Stream	Location
11/30/2006	11/30/2006	300	OEHC	Overflow into house and from customers' cleanout due to stoppage in mainline	Heavy Rainfall and Debris	GR	4011 Pond St
11/29/2006	11/29/2006	150	NEAH	Overflow from customers cleanout due to stop up in mainline	Debris	GR	412 Meyer Dr
11/9/2006	11/9/2006	1200	NEAH	Overflow from customers' cleanout caused by blockage in mainline	Grease	PA	19th St and Main St
3/21/2005	3/21/2005	50	unknown	Industrial Park Road, manhole #851	grease	paved area	
2/10/2005	2/10/2005	1000	unknown	So 23rd - manhole #749A	grease		
2/24/2005	2/24/2005	1000	unknown	So. 25th, manhole #749C	grease		
2/24/2005	2/24/2005	1500	unknown	410 North 23, manhole #695A	Debris & grease		
2/25/2005	2/25/2005	1500	unknown	1804 Ollie	Grease	storm drain	
2/27/2005	2/27/2005	50	unknown	1712 North 29th	roots & grease	building	
5/19/2005	5/19/2005	100	unknown	2801 Laura Lane, manhole #1142	grease	ground	
3/14/2005	3/14/2005	1500	none noted	manholes 547 and 548 at 1005 N. 28th Street overflowed	grease in line		
10/21/2006	10/21/2006	2000	none	overflow at manhole 787A, south 28th St. lift station	power off on pumps, equipment failure	S. 28th St. Ditch	South 28th St.
11/9/2006	11/9/2006	1200	none	overflow from	grease		19th St. and Main

Date started	Date stopped	Volume	Environmental damage	Description	Cause	Stream	Location
				customers cleanout caused by blockage in main line			St.
4/7/2002	4/7/2002	10000	none	manhole overflow on N. 11th Street, manhole number 518H.	inflow and infiltration		
4/7/2002	4/7/2002	10000	none	Manhole overflow on City Park Road, manhole 409	inflow and infiltration		
11/27/2006	11/27/2006	1000	NEAH	overflow	Grease	GR	Railroad Yard
12/4/2006	12/4/2006	1800	NEAH	Manhole overflow	Equipment failure	Paved Area	1403 City Park Road
12/4/2006	12/4/2006	1000	NEAH	Manhole overflow	Grease, Debris	Ground Surface	27th St and Kibler Rd
12/11/2006	12/11/2006	1500	NEAH	Manhole overflow	Debris	PA; GR	301 1/2 Arkansas St
1/19/2007	1/19/2007	1500	none	manhole # 776 overflow	roots, debris		3603 Elm St.
12/21/2006	12/21/2006	50	none	manhole # 781 overflow	grease		205B North 37th St.
1/1/2007	1/1/2007	500	none	cleanout overflow	grease		107 North 35th St.
12/30/2006	12/30/2006	1200	none	cleanout overflow	grease		3610 Hollis Dr.
12/30/2006	12/30/2006	1500	none	manhole	mainline broke down		Taylor St.
12/30/2006	12/30/2006	800	none	manhole #776 overflow	grease		3603 Elm St.
8/17/2005	8/17/2005	1000	none	616 Pointer Trail, manhole #9	grease in end of line in manhole	ground	
12/1/2005	12/1/2005	500	none	manhole # 1142 overflow at 2801 Laura Lane	Grease		
12/1/2005	12/1/2005	200	none	overflow	Grease clog		

Date started	Date stopped	Volume	Environmental damage	Description	Cause	Stream	Location
				from customer's cleanout line at 807 Hemlock			
12/2/2005	12/2/2005	200	none	10 Lura Lane, manhole #805	overflow due to grease clog		
12/4/2005	12/4/2005	400	none	city park golf course, manhole #447	roots, grease clog		
12/5/2005	12/5/2005	1000	none	manhole # 800 overflow at 201 South 42nd St. Called in by customer at 6:23 am 12/6/05	Grease clog		
12/5/2005	12/5/2005	300	none	manhole #698 overflow at 2102 Poplar	Greae and debris		
6/9/2005	6/9/2005	2000	unknown	Bridges Street, manholes 749A & 749B	debris and grease	ground	
4/17/2006	4/17/2006	100	none	1800 Parkview St.	debris		
4/14/2006	4/14/2006	500	none	11th St. and Broadway, MH # 515	grease		
4/16/2006	4/16/2006	300	none	Arkansas St., MH # 662A	grease		
7/31/2005	7/31/2005	500	unknown	South 28th Street pump station	Equipment failure	ditch	
7/23/2005	7/23/2005	2000	unknown	3702 Todd Street, pump station	Power failure	ground	
7/15/2005	7/15/2005	3000	unknown	Between Vista Hills Boulevard & Alpine Drive	grease	ground	
11/2/2005	11/2/2005	50	none	overflow from customers cleanout due to grease	grease		

Date started	Date stopped	Volume	Environmental damage	Description	Cause	Stream	Location
				clog in main line; address is 301 North 11th St.			
11/7/2005	11/7/2005	150	none	manhole #805 overflow at 10 Lura Lane	grease and debris		
11/8/2005	11/8/2005	250	none	overflow at customer's cleanout at 3908 Todd St., due to grease clog in main line; customer had previously installed 'sewer popper' on service line.	grease		
1/30/2006	1/30/2006	300	none	manhole #370, 24th and Pointer Trail	grease, debris		
1/30/2006	1/30/2006	100	none	manhole #649A, 3rd and Knox St.	grease		
1/30/2006	1/30/2006	75	none	manhole #802, 105 South 42nd St.	grease		
1/31/2006	1/31/2006	800	none	manhole #801A, 322 South 42nd St.	grease		
1/13/2006	1/13/2006	1100	none	overflow at Manhole # 335, 301 Linda Lane	Roote and debris		
1/10/2006	1/10/2006	200	none	overflow at Manhole #1142, 2801 Laura Lane	grease in main line and pump station failure		
10/5/2005	10/6/2005	10000	none	Industrial Park Road	Air release valve broke		
10/17/2005	10/17/2005	2000	none	1010 Cedar Street	sewer line failed due to debris		
10/25/2005	10/25/2005	500	none	3702 Terry Street,	grease	ground	

Date started	Date stopped	Volume	Environmental damage	Description	Cause	Stream	Location
				Manhole 872			
10/25/2005	10/25/2005	1000	none	overflow at North 28th St., Summerchase Apts., manhole #548	grease		
10/27/2005	10/27/2005	1000	none	overflow at manhole # 1067, 3800 Peaceful Valley Cr., into ditch, to Flat Rock Creek	grease clog		
10/29/2005	10/29/2005	200	none	manhole #870 overflow, 3702 Terry St., ground surface and paved area	grease clog		
11/22/2005	11/22/2005	500	none	manhole # 661 overflow on Arkansas St.	grease		
11/24/2005	11/24/2005	1000	none	manhole #548 1005 North 28th St.	Overflow due to grease and debris in main line		
1/3/2006	1/3/2006	500	none	manhole #282, 1002 N. 8th St.	vandalism, debris, rocks, limbs		
11/9/2005	11/9/2005	1500	unknown	24th & Pointer Trail	Debris & grease	ditch	
1/24/2006	1/25/2006	2500	none	manhole # 653J overflow at Arkansas St. into street and road ditch	grease		
1/22/2006	1/22/2006	250	none	overflow at manhole # 496, 306 South 17th St.	grease		
1/21/2006	1/21/2006	300	none	manhole #574 overflow at 2603 Amy	grease		

Date started	Date stopped	Volume	Environmental damage	Description	Cause	Stream	Location
				Lane			
4/29/2006	4/29/2006	25	none	overflow into residence; crew was flushing main line to clear blockage; sewer backed up into tub and toilet; caused toilet to run over	grease, hydrocleaning		1117 Cherry St., Van Buren
3/21/2005	3/21/2005	50	unknown	Industrial Park Road, manhole #851	grease	Paved area	
3/24/2005	3/24/2005	50	unknown	413 Meyer Drive - cleanout	Grease	Ground	
6/12/2005	6/12/2005	250	unknown	3908 Todd Street, customer's cleanout	roots	building & ground	
5/2/2005	5/2/2005	200	unknown	26th & Amy Lane, manhole #574	grease	ground	
5/3/2005	5/3/2005	100	unknown	11th & Lincoln, manhole #702A	Roots	ground	
12/17/2005	12/17/2005	200	none	manhole #663, Arkansas St. and Elm St.	grease		
12/17/2005	12/18/2005	250	none	709 North 20th	grease from customer's service line		
12/28/2005	12/28/2005	300	none	manhole #300 between Spruce St. and Pine St.	roots in line		
12/28/2005	12/28/2005	1000	none	Manhole #776, 37th St. and Elm St.	grease blockage		
12/29/2005	12/29/2005	1200	none	manhole # 791 303 South 42nd St., paved	grease and debris		

Date started	Date stopped	Volume	Environmental damage	Description	Cause	Stream	Location
				area			
1/28/2007	1/28/2007	300	none	overflow at manhole #383	roots		2308 Birch
1/31/2007	1/31/2007	300	none	overflow at manhole # 383	roots		2308 Birch
2/6/2007	2/6/2007	3000	none	overflow at manhole #799	roots, grease		201 South 42nd St.
2/18/2007	2/18/2007	500	none	overflow at manhole # 543D	grease		819 North 27th St.
2/18/2007	2/18/2007	300	none	overflow at manhole #1142	grease, debris		North 28th St and Laura Lane
2/19/2007	2/19/2007	300	none	overflow at manhole #800	grease		107 South 42nd St.
4/3/2005	4/3/2005	1000	unknown	1206 North 26th manhole #580	grease	ditch	
4/3/2005	4/3/2005	200	unknown	508 North 8th, manhole #293-A	debris	paved area	
4/11/2005	4/11/2005	2500	unknown	North 28th Street, manhole #549	rainfall	ground	
4/13/2005	4/13/2005	1000	unknown	2302 Taft	grease	ground, building	
4/19/2005	4/19/2005	500	unknown	11th & East Lincoln, manhole #792A	roots	ground	
6/10/2005	6/10/2005	200	unknown	22 & Jordan Streets	debris	ground	
3/6/2006	3/6/2006	500	none	overflow at manhole 336, #9 Ada Bell St.	grease		
3/6/2006	3/6/2006	300	none	manhole 695 at 207 North 23rd St.	grease		
3/10/2006	3/10/2006	1000	none	manhole 129, North Hills Blvd and Bear	debris		

Date started	Date stopped	Volume	Environmental damage	Description	Cause	Stream	Location
				Track			
3/10/2006	3/10/2006	300	none	manhole 293A at 903 North 8th St.	debris		
3/13/2006	3/13/2006	800	none	manhole 446 at Van Buren Golf Course	grease		
12/15/2005	12/15/2005	2000	none	Van Buren City Park, Manhole #447, overflow to ground surface, some to ditch that runs into Lake Capbedell	roots		
5/22/2006	5/22/2006	50	unknown	Manhole #597	debris	paved area	722 Drennen
6/25/2006	6/25/2006	100	none	manhole # 745A overflow	roots, debris		South 22nd St. and Jordan St.
6/21/2006	6/21/2006		none	overflow at manhole # 542H	grease, debris		922 North 24th St., Van Buren, AR
3/2/2007	3/2/2007	150	none	overflow from lamphole in backyard	roots, grease		1403 North 11th St.
3/15/2007	3/15/2007	150	none	overflow from customers cleanout	grease, debris		805 Hemlock
5/22/2007	5/22/2007	150	none	manhole # 674 overflow	roots	paved area	726 Alta Vista
6/7/2007	6/7/2007	500	none	manhole # 692 B overflow	debris		2402 Alma Blvd
4/9/2007	4/9/2007	500	none	manhole 548/549 overflow	grease		1005 North 28th St.
4/17/2007	4/17/2007	1000	none	manhole overflow, manhole # 560B	grease, debris	road drainage ditch	1306 N. 28th St.

Date started	Date stopped	Volume	Environmental damage	Description	Cause	Stream	Location
4/24/2007	4/24/2007	2500	none	manhole 548/549 overflow	grease		1005 North 28th St.
5/5/2007	5/5/2007	800	none	overflow from customers cleanout	debris	ground surface	1606 North 28th St.
5/5/2007	5/5/2007	1500	none	manhole # 405 overflow	roots, grease, debris	ground	1605 Parkview
5/6/2007	5/6/2007	300	none	overflow at customers clean out	roots	ground surface	111 North 25th St.
5/10/2007	5/10/2007	2500	none	overflow at manhole 548/549	grease	ditch	1005 North 28th
4/25/2007	4/25/2007	1000	none	overflow at customers' cleanout	grease		1813 Main St.
5/11/2007	5/11/2007	3000	none	manhole overflow at manholes 548/549	grease	ditch	1005 North 28th
8/5/2007	8/5/2007	20000	none	main plant rotart screen building	chain broke on rotart screen causing screen to stop up and overflow		
7/19/2007	7/19/2007	150	none	overflow at customer's cleanout	debris	ground surface	1816 North 29th St.
7/16/2007	7/16/2007	500	none	manhole 450A	grease		613 North 13th St.
9/25/2007	9/25/2007	1000	none	Van Buren City Park, manhole 445	grease	ground surface	
10/3/2007	10/3/2007	75000	none	Van Buren city park lift station, manhole 409, excessive rainfall and upstream sewerline construction caused pump station to flood, water level	excessive rainfall, equipment failure	ground surface	

Date started	Date stopped	Volume	Environmental damage	Description	Cause	Stream	Location
				rose above the laser pump controller, causing pumps to shut off.			
10/3/2007	10/3/2007	300	OEHC	manhold 783B, overflow into residence from toilets and tub	grease,debris	ground surface, in residence	3903 Poplar
10/12/2007	10/12/2007	200	none	manhole #1076	debris, grease	ground surface/ditch	Peaceful Valley Circle
12/31/2007	12/31/2007	1700	NEAH	MH overflow #735	Debris and grease	Paved area, drainage ditch	N 27th Street and Kibler Road
1/3/2008	1/3/2008	500	NEAH	overflow from customers clean out	Debris	Ground surface, drainage ditch	N. 15th and Chestnut Streets
12/26/2007	12/26/2007	2500	NEAH	MH overflow,#851	debris and grease	paved area, drainage ditch	414 Arkansas Street
12/26/2007	12/26/2007	75	None	overflow at customers cleanout	debris	ground surface	412 Meyer Drive
10/5/2007	10/5/2007	100	none	manhole #805	grease		Lura Lane
11/13/2007	11/13/2007	800	NEAH		Debris	Ground surface paved area	11th and Lincoln, manhole #702A
11/15/2007	11/15/2007	2500	NEAH		Line Failure	paved area ground	11th and Lincoln MH#702A
12/12/2007	12/12/2007	500	NEAH	overflow	blocked main line, grease	ground surface	5 South 21st Street
12/13/2007	12/13/2007	300	NEAH	overflow from lamphole clean out	grease	ground surface	1813 Main Street
1/8/2008	1/8/2008	150	NEAH	overflow from customers cleanout	grease	ground surface, drainage ditch	1417 Chestnut

Date started	Date stopped	Volume	Environmental damage	Description	Cause	Stream	Location
1/8/2008	1/8/2008	50	NEAH	overflow from customers cleanout	Debris	ground surface	412 Meyer Drive
1/21/2008	1/21/2008	150	NEAH	Manhole #826 Overflowed	Debris	Ground	1503 Virginia
11/29/2007	11/29/2007	250	NEAH	Lamphole clean out in alley	grease	paved area	1813 Main Street
11/28/2007	11/28/2007	400	NEAH	MH#702A	grease	paved area	N. 11th & Lincoln Street
10/30/2007	10/30/2007	1000	NEAH		Debris, grease	ground, paved area, ditch	N 24th Street and Lexington MH#371
12/16/2007	12/16/2007	100	NEAH	overflow	grease	paved area	1805 Dechard, MH#410K
12/15/2007	12/15/2007	2000	NEAH	both pump failure	debris	ground, paved into City Park Lake	1403 City Park Road
1/22/2008	1/22/2008	150	NEAH	MH overflow	Debris	ground surface	1503 Virginia, MH #826
3/28/2008	3/28/2008	1000	NEAH		Grease	Paved area ditch	#5 South 21st
3/25/2008	3/25/2008	200	NEAH	MH #772	Debris	Ground surface	#8 North 35th
3/25/2008	3/25/2008	200	NEAH	MH #772	Debris	Ground surface	#10 North 35th
3/26/2008	3/26/2008	200	NEAH		Debris	Ground surface	2402 Alma Blvd.
3/3/2008	3/3/2008	5000	NONE	1403 CITY PARK RD., CITY PARK LIFT STATION, MANHOLE #442	EXCESSIVE RAINFALL	GROUND SURFACE, PAVED AREA, DITCH INTO LAKE CAP BEDELL	
2/26/2008	2/26/2008	40000	NEAH	contractor broke 12" force main from 4th Street	line break	ground surface, ditch	1401 Port Road

Date started	Date stopped	Volume	Environmental damage	Description	Cause	Stream	Location
				pumping station			
3/18/2008	3/18/2008	300	NEAH		Debris	Ground surface	1800 Parkview
3/18/2008	3/18/2008	1500	No evidence of Adverse Health/Environmental Impact	MH # 547A	Excessive rainfall	Ground surface	1106 North 28th Place
4/4/2008	4/4/2008	2500	NEAH	MH #749	Grease	Paved area, ditch	22nd and Bridges
4/1/2008	4/1/2008	800	NEAH	Overflow from cleanout	Grease	Ground surface, paved area	5 South 21st Street
4/10/2008	4/10/2008	300	NEAH	Cleanout	Excessive rainfall	Ground surface	921 N. 27th St.
4/10/2008	4/10/2008	250	NEAH	Cleanout	Excessive rainfall	Paved area to ditch	1813 Main St.
4/10/2008	4/10/2008	250	NEAH	Cleanout	Excessive rainfall	Ground surface	1117 Cherry
4/10/2008	4/11/2008	5000	NEAH	MH #851	Excessive Rainfall	Paved area to ditch	2405 Industrial Park Road
4/10/2008	4/11/2008	5000	NEAH	MH #1139	Excessive Rainfall	Ground surface to ditch	2101 Twin Circle Drive
4/10/2008	4/11/2008	8000	NEAH	MH #836	Excessive rainfall	Ground surface to ditch	610 S. 28th Street
4/25/2008	4/25/2008	1500	NEAH	MH #872	Grease, debris	Ground surface, road ditch	Near Terry & Todd Street Lift Station
5/12/2008	5/12/2008	800	NONE	MH #1045 @ FLAT ROCK COURT & FLAT ROCK DRIVE	GREASE	PAVED AREA AND DITCH	
6/1/2008	6/2/2008	10000	NONE	1403 CITY PARK RD., LIFT STATION, MH #442	ELECTRICITY OUTAGE	PAVED AREA	
6/1/2008	6/1/2008	2000	NONE	300 BLOCK OF ARKANSAS STREET, MH #661	GREASE	PAVED AREA	

Date started	Date stopped	Volume	Environmental damage	Description	Cause	Stream	Location
5/27/2008	5/27/2008	2000	NONE	604 KITTYHAWK, MH #99	DEBRIS	DITCH	
6/16/2008	6/16/2008	10000	NONE	1403 CITY PARK RD., LIFT STATION, MH #442	POWER OUTAGE DUE TO 70-80 MPH WINDS KNOCKING DOWN TREES AND POWER LINES.	CITY PARK LAKE	
6/20/2008	6/20/2008	200	NONE	1403 PARKVIEW, MH #405B	ROOTS	GROUND	
8/17/2008	8/17/2008	500	NEAH	Manhole #322 Overflowed	Grease	Ground Surface	20 Alpine Dr.
8/17/2008	8/17/2008	500	NEAH	Manhole #265 overflowed	Grease Debris	Ground Surface	1213 North 11th St.
8/14/2008	8/14/2008	1000	NEAH	Manhole #1078 overflowed	Grease	Ground, Surface	3800 Peaceful Valley Circle
8/13/2008	8/13/2008	300	NEAH	Customer Cleanout overflow	Grease	Ground Surface	205 W. 36th St.
9/3/2008	9/3/2008	3000	NEAH	Manhole Overflow #863	excessive Rainfall	Ditch into city park lake	City Park Pump Station
9/3/2008	9/3/2008	3000	NEAH	Manhole #863 overflowed	excessive rainfall	ditch	Terry and Todd Pump Station
9/4/2008	9/4/2008	10000	NEAH	Manhole #605A Overflow	Excessive Rainfall - Overloaded Pump Station, one pump shorted out	Ditch	3rd st.
9/9/2008	9/9/2008	10000	NEAH	Manhole #1242 Overflowed	Malfunction in solonoid Valve at Main Treatment Plant on rotary Screen. Valve has	ditch	3rd and Scott Street

Date started	Date stopped	Volume	Environmental damage	Description	Cause	Stream	Location
					been ordered and Main valve is now open		
9/10/2008	9/10/2008	75	NEAH	Manhole #694C Overflowed	Grease	Ground Surface	613 North 25th
12/5/2008	12/5/2008	3000	NEAH	Manhole Overflow #745A	Grease	Paved area, ditch	#5 South 21st Street
12/5/2008	12/5/2008	3000	NEAH	Manhole Overflow #745A	Grease	Paved Area, ditch	#5 South 21st Street
12/17/2008	12/17/2008	3000	NEAH	Cleanout Overflow from appartment complex	Grease	Ground, Surface, Paved Area, Ditch	#5 South 21st Street
1/16/2009	1/16/2009	200	NEAH	Cleanout overflow	grease	ground Surface	203 North 35th.
2/9/2009	2/9/2009	200	NEAH	Manhole #807 Overflowed	Grease, Debris	Ground Surface	317 South 42 nd. Street

VAN BUREN MUNICIPAL UTILITIES

"Providing Water, Sewer, and Sanitation Services"
2806 Bryan Road / P.O. Drawer 1269
Van Buren, Arkansas 72957
479-474-5067 / Fax 479-471-8969
Gary Smith, Director

June 19, 2009

Ms. Cindy Garner, Water Division Enforcement Branch Manager
Arkansas Department of Environmental Quality
NPDES Enforcement Division
5301 Northshore Drive
North Little Rock, AR 72118-5317

Re: Compliance Evaluation Inspection, May 19, 2009, Van Buren Main Plant,
AFIN: 17-00062 Permit # AR0021482

Dear Ms. Garner:

In response to the Compliance Evaluation Inspection performed by Mr. Jeff Tyler on May 19, 2009;

1. We have obtained a Calibration Certificate from the manufacturer. (Copy attached) We have also obtained a recommended schedule for a certification cycle for the Khrone magnetic inductive flow meter (Copy attached). At this time, we would like to request that the monthly flow check requirement be changed to once every twelve (12) months as recommended by the manufacturer.

2. In regard to the dissolved oxygen analysis, the operator is now indicating the analytical method and performing the required duplicate analyses.

3. The March 2009 chain of custody was filled out incorrectly, grab samples were actually collected and analyzed for Total Dissolved Solids, Chlorides, Nitrate + Nitrite Nitrogen, and Total Phosphorus, the operator has corrected the chain of custody forms.

If you have any questions or require further information please contact me.

Sincerely,

Steve Dufresne
Operations Superintendent

Cc: Correspondence file, Main Plant file

Customer / Kunde / Client	:	**BAUMAN INSTRUMENT CORPORATION**
Customer Order / Bestellnummer / Commande Client	:	**24932**
Product / Produkt / Produit	:	
Type / Typ / Type	:	**OPTIFLUX 2000** **DN 400 mm/ 16 inch**
Sales Order / VK-Auftrag / Commande de vente	:	**270000268 70 1**
Serial Number / Seriennummer / Numéro de série	:	**A08 64865**
Tag Number / Tagnummer / Repère	:	**FE/FIT-205**

Calibration Method / Kalibriermethode / Méthode d'étalonnage

The flow sensor has been calibrated against a fixed-volume tank. The calibration certificate of this tank registers the traceability to national standards, which establishes the physical units of measurements according to the International System of Units (SI).

Die Prüfung des Durchflussmessgeräts erfolgt im Vergleich zu einem Messbehälter. Die Kalibrierung des Messbehälters ist rückführbar auf Nationale Standards. Die physikalischen Einheiten sind nach dem SI-System definiert.

Le capteur de mesure a été étalonné avec un réservoir à volume fixe. Le certificat d'étalonnage de cet étalon prouve la traçabilité aux étalons nationaux qui utilisent des unités de mesures physiques selon le Système International (SI).

Test Equipment Data / Kalibrierstanddaten / Données du banc d'étalonnage

Serial Number / Seriennummer / Numéro de série	:	A4
Calibration fluid / Kalibrierflüssigkeit / Fluide d'étalonnage	:	Water / Wasser / Eau
Uncertainty / Unsicherheit / Incertitude	:	0.03 %

Calibration Results / Kalibrier Resultats / Résultats d'étalonnage

Flow Rate Durchflussmenge Débit (%)	Set Flow rate Gewählte Durchfluss Débit réglé (m3/h)	Deviation Abweichung Ecart (%)
94.25	1279.1308	+0.01
20.83	282.6981	-0.01

Calibration Data / Kalibrierdaten / Données d'étalonnage

GK : 3.1053 GKh :
GKI : 6.2779 GK070 :

Date / Datum / Date : 2008-12-03

Signature / Unterschrift / Signature :

KROHNE

KROHNE, Inc. • 7 Dearborn Rd Peabody MA 01960

Richard Lowrie
Water and Wastewater
Industry Manager
Tel: 800.356.9464 x 1213
Fax: 978.826.6953
r.lowrie@krohne-inc.com

June 19, 2009

Mr. Steve Dufresne
Van Buren Municipal Utilities
PO Box 1269
Van Buren AR 72957

Mr Dufresne:

The letter is in response to a request for a recommended schedule for a certification cycle for KROHNE magnetic inductive flow meters.

Magnetic inductive flow meters are designed for years of trouble free service. Certification of most inductive magnetic flow meters is accomplished by 4 standard tests:

1. Resistance check of Electrodes
2. Resistance check of Coils
3. Linearity of outputs
4. ADC check

Numbers 1 and 2 above check the tube for leakage, coating or interconnecting cable breakages or electrical shorts.
Number 3 checks outputs for correct values
Number 4 checks the Analog to Digital conversion of the flow signal.
When performed these checks can certify a magnetic inductive flow meter is with in 1% of its condition when originally calibrated.
These measurements are also the basis for a magnetic flow meter's operation.

The only wetted components of a magnetic inductive flow meter are the electrodes and the tube liner. The tube is built out of stainless steel and the liner is over 5mm's in thickness, the electrodes are either stainless steel or hastelloy C as a standard material. A long history of operation shows that these components have a mean time between failures of over 20 years. The IFC010 converter has been in production since the mid 1990's and also has a mean time between failure of over 20 years. For this reason

most customers using KROHNE magnetic inductive flow meters do not recertify their meters unless a fault occurs and a component has been repaired or replaced.

KROHNE realizes the need for certification of flow meters, especially when government regulations are concerned. KROHNE also realizes that to several governmental agencies magnetic flow meters are not a traditional flow measurement method. The methods normally used for flow measurement have been weirs, or other open channels utilizing a level detecting device. The level was converted to flow from tables provided by the channel manufacturer or standard calculations which are widely published. The certification of these devices is accomplished with a check of the level devices accuracy. This check was easily accomplished by placing a target under the level measuring device (if the device measured free space) or placing the sensing element in a bucket of process fluid to the desired levels and then recording output.

A magnetic inductive flow meter obtains flow rates by measuring the velocity of the fluid, the volume of the fluid is derived from the cross sectional area of the measuring tube. Unlike open channels there is very little possibility of failure of the tube. The electrodes are tied to a high impedance circuit which will ignore coatings and the tube if damaged to the point of measurement error will cause a fault in the electronics. Due to the high mean time between failures of the components in KROHNE magnetic inductive flow meters customers who require a certification do so on a 12 to 18 month cycle. Even the Hydraulics Institute recommends 12 months for certification of magnetic inductive flow meters.

Because certification of a magnetic inductive flow meter requires access to the electronics and removal of wiring, KROHNE also recommends this 12 to 18 month cycle to lessen the probability of operator/technician error and possible damage to the electronics. (this is unlikely but must be considered if frequency of testing is increased)

I hope I have addressed your concerns with certification of magnetic inductive flow meters. If you have any other questions please contact me at your convenience.

Respectfully

Richard Lowrie
Water and Waste Water Industry Manager
KROHNE

KROHNE, Inc. • 7 Dearborn Road • Peabody MA 01960 • T: 800-FLOWING (978-535-6060 in MA) • F: 978-535-1720 • E: info@KROHNE.com • W:www.KROHNE.com

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P. O. DRAWER 1269
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Ms. Cindy Garner, Water Division Enforcement
Branch Manager
Arkansas Department of Environmental Quality
NPDES Enforcement Division
5301 Northshore Drive
North Little Rock, AR 72118-5317

ADEQ

ARKANSAS
Department of Environmental Quality

July 15, 2009

Gary Smith
City of Van Buren
P.O. Box 1269
Van Buren, AR 72956

RE: Permit: AR0021482, AFIN: 17-00062, SSO Inspection

Dear Mr. Smith

The Department has received your June 22, 2009 response to the May 19, 2009 inspection of your facility by our District Field Inspector, Jeff Tyler. Your letter appears to adequately address the discrepancies identified during the visit. The Department assumes the corrective actions taken will be maintained to ensure consistent compliance with the requirements of the permit. Acceptance of this response by the Department does not preclude any future enforcement action deemed necessary at this site or any other site.

The Department will keep the inspection and response on file. If future violations occur that require enforcement action, the Department will consider the inspection and response as required by the Pollution Control and Ecology Commission Regulation No. 7, Civil Penalties. This regulation requires the Department to consider the past history of your company and how expeditiously the violations were addressed in determining any civil penalty that may be necessary for any future violations.

If we need further information concerning this matter, we will contact you. Thank you for your attention to this matter. Should you have any questions, feel free to contact me at 501-682-0667 or you may e-mail me at blaket@adeq.state.ar.us.

Sincerely,

Tracey Blake
Enforcement Administrator
Water Division