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JOHN A. SANCHEZ
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NEW MEXICO
ENVIRONMENT DEPARTMENT

Surface Water Quality Bureau

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BUTCH TONGATE
Deputy Secretary

JAMES H. DAVIS, Ph.D.
Director
Resource Protection Division

Certified Mail - Return Receipt Requested

June 12, 2012

Mr. Larry Hathaway, President
Harper Valley Home Owners Association
90 CR, 6050 Nbu # 1001
Farmington, New Mexico 87401

Re: **Minor Non-Municipal; SIC 4952; NPDES Compliance Evaluation Inspection; Harper Valley Homeowners Association; NM0029025; May 23, 2012**

Dear Mr. Hathaway,

Enclosed, please find a copy of the report and check list for the referenced inspection that the New Mexico Environment Department (NMED) conducted at your facility on behalf of the U.S. Environmental Protection Agency (USEPA). This inspection report will be sent to the USEPA in Dallas for their review. These inspections are used by USEPA to determine compliance with the National Pollutant Discharge Elimination System (NPDES) permitting program in accordance with requirements of the Federal Clean Water Act.

Introduction, treatment scheme, and problems noted during this inspection are discussed in the Further Explanations section of the inspection report. The main problems were found in the area Record Keeping & Reporting, Operations & Maintenance, and Effluent/Receiving Waters. You are encouraged to review the inspection report, required to correct any problems noted during the inspection, and to modify your operational and/or administrative procedures, as appropriate. Further, you are encouraged to notify in writing, both the USEPA and NMED regarding modifications and compliance schedules at the addresses below:

Diana McDonald
US Environmental Protection Agency, Region VI
Enforcement Branch (6EN-WM)
Allied Bank Tower
1445 Ross Avenue
Dallas, Texas 75202-2733

Program Manager
New Mexico Environment Department
Surface Water Quality Bureau
Point Source Regulation Section
P.O. Box 5469
Santa Fe, New Mexico 87502

If you have any questions about this inspection report, please contact me at (505) 827-2575 or daniel.valenta@state.nm.us.

Sincerely,

/s/Daniel Valenta

Daniel Valenta
Environmental Scientist/Specialist
Surface Water Quality Bureau

Cc: Marcia Gail Adams, USEPA (6EN-AS) by e-mail
Samuel Tate, USEPA (6EN-AS) by e-mail
Carol Peters, USEPA (6EN-WM) by e-mail
Diana McDonald, USEPA (6EN-WM) by e-mail
Larry Giglio, USEPA (6WQ-PP) by e-mail
Hannah Branning, USEPA (6EN-WC) by e-mail
NMED District II by e-mail



Form Approved
OMB No. 2040-0003
Approval Expires 7-31-85

NPDES Compliance Inspection Report

Section A: National Data System Coding

Transaction Code			NPDES										yr/mo/day					Inspec. Type		Inspector		Fac Type																			
1	N	2	5	3	N	M	0	0	2	9	0	2	5	11	12	1	2	0	5	2	3	17	18	C	19	S	20	2													
Remarks																																									
M I N O R							W W T P																																		
Inspection Work Days							Facility Evaluation Rating							BI		QA		-----Reserved-----																							
67							70							71		72		73 74 75 80																							

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number) Harper Valley Home Owners Association From Farmington travel west on 64, at the edge of town exit south/west onto 489/Co Rd 6100. A brick entrance with a Harper Valley sign on south side of road before intersection of 489/Co Rd 6100 and 64. Stay on the entrance road 6050 south to the end of the street, turn left/east onto 6070. Go east to the end of the road, grass path to facility. San Juan County	Entry Time /Date 1720/May 23, 2012	Permit Effective Date July 1, 2006
	Exit Time/Date 1905/May 23, 2012	Permit Expiration Date June 30, 2011
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Mike West/Operator/505-801-1534/ home 505-598-5931		Other Facility Data LAT 36.72276 N LONG -108.29934 W SIC 4952
Name, Address of Responsible Official/Title/Phone and Fax Number Mr. Larry Hathaway, #90 CR 6050 NBU 1001, Farmington, NM 87401/President Harper Valley Homeowners Association/505-801-2972		Contacted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

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

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

1. SEE REPORT AND FURTHER EXPLANATIONS.

Name(s) and Signature(s) of Inspector(s) DANIEL VALENTA /s/Daniel Valenta	Agency/Office/Telephone/Fax NMED/SWQB 505-827-2575	Date 6/12/2012
Signature of Management QA Reviewer RICHARD E. POWELL /s/Richard Powell	Agency/Office/Phone and Fax Numbers NMED/SWQB 505-827-0418	Date 6/12/2012

SECTION A - PERMIT VERIFICATION

PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS S M U NA (FURTHER EXPLANATION ATTACHED Yes.)
 DETAILS: **Permit expired on June 30, 2011**

1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE **Phone contact numbers had changed, not updated.** Y N NA
2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES Y N NA
3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT Y N NA
4. ALL DISCHARGES ARE PERMITTED **No permit renewal application filed.** Y N NA

SECTION B - RECORDKEEPING AND REPORTING EVALUATION

RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT. S M U NA (FURTHER EXPLANATION ATTACHED Yes.)
 DETAILS: **Due to the late time inspection occurred, no copy machine available at site, copies of lab results and sampling data were requested.**

1. ANALYTICAL RESULTS CONSISTENT WITH DATA REPORTED ON DMRs. **Unable to check, not all requested material sent.** Y N NA
2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE. S M U NA
- a) DATES, TIME(S) AND LOCATION(S) OF SAMPLING Y N NA
- b) NAME OF INDIVIDUAL PERFORMING SAMPLING Y N NA
- c) ANALYTICAL METHODS AND TECHNIQUES. Y N NA
- d) RESULTS OF ANALYSES AND CALIBRATIONS. **No documentation on pH meter.** Y N NA
- e) DATES AND TIMES OF ANALYSES. Y N NA
- f) NAME OF PERSON(S) PERFORMING ANALYSES. Y N NA
3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE. **No documentation on pH meter.** S M U NA
4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR. S M U NA
5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA. Y N NA
Unable to check, not all requested material sent.

SECTION C - OPERATIONS AND MAINTENANCE

TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED. S M U NA (FURTHER EXPLANATION ATTACHED (YES))
 DETAILS:

1. TREATMENT UNITS PROPERLY OPERATED. S M U NA
2. TREATMENT UNITS PROPERLY MAINTAINED. S M U NA
3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED. **No backup power in place.** S M U N
4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE. S M U NA
Light will flash if power fails or high level alarm is tripped.
5. ALL NEEDED TREATMENT UNITS IN SERVICE. **No initial screening for rags and other debris that may enter the facility.** S M U NA
6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED. **Operator does not have any formal training in WWTP operation.** S M U NA
7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED. S M U NA
8. OPERATION AND MAINTENANCE MANUAL AVAILABLE. Y N NA
 STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED. Y N NA
 PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED. Y N NA

SECTION C - OPERATIONS AND MAINTENANCE (CONT'D)

9. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR?
 IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED?
 HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS?

Y N NA
 Y N NA
 Y N NA

10. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT?
 IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT?

Y N NA
 Y N NA

SECTION D - SELF-MONITORING

PERMITTEE SELF-MONITORING MEETS PERMIT REQUIREMENTS.
 DETAILS:

S M U NA (FURTHER EXPLANATION ATTACHED No.)

1. SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT.

Y N NA

2. LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES.

Y N NA

3. FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT.

Y N NA

4. SAMPLING AND ANALYSES COMPLETED ON PARAMETERS SPECIFIED IN PERMIT.

Y N NA

5. SAMPLING AND ANALYSES PERFORMED AT FREQUENCY SPECIFIED IN PERMIT.

Y N NA

6. SAMPLE COLLECTION PROCEDURES ADEQUATE

Y N NA

a) SAMPLES REFRIGERATED DURING COMPOSITING.

Y N NA

b) PROPER PRESERVATION TECHNIQUES USED.

Y N NA

c) CONTAINERS AND SAMPLE HOLDING TIMES CONFORM TO 40 CFR 136.3.

No documentation on pH meter.

Y N NA

7. IF MONITORING AND ANALYSES ARE PERFORMED MORE OFTEN THAN REQUIRED BY PERMIT, ARE
 THE RESULTS REPORTED IN PERMITTEE'S SELF-MONITORING REPORT?

Y N NA

SECTION E - FLOW MEASUREMENT

PERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS.
 DETAILS:

S M U NA (FURTHER EXPLANATION ATTACHED No.)

1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED.
 TYPE OF DEVICE

Y N NA

Timed volumetric measurement.

2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED.

Y N NA

3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED

Y N NA

4. CALIBRATION FREQUENCY ADEQUATE. (DATE OF LAST CALIBRATION _____)
 RECORDS MAINTAINED OF CALIBRATION PROCEDURES.
 CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE.

Y N NA
 Y N NA
 Y N NA

5. FLOW ENTERING DEVICE WELL DISTRIBUTED ACROSS THE CHANNEL AND FREE OF TURBULENCE.

Y N NA

6. HEAD MEASURED AT PROPER LOCATION.

Y N NA

7. FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGE OF FLOW RATES.

Y N NA

SECTION F - LABORATORY

PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS.
 DETAILS:

S M U NA (FURTHER EXPLANATION ATTACHED No.)

1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(b) FOR SLUDGES)

Y N NA

Compliance Evaluation Inspection
Harper Valley Home Owners Association Wastewater Treatment Facility
NPDES Permit No. NM0029025
May 23, 2012

Introduction

On May 23, 2012 a Compliance Evaluation Inspection (CEI) was conducted at the Harper Valley Home Owners Association (HVMA) Wastewater Treatment Plant located in Farmington, New Mexico by Mr. Daniel Valenta of the State of New Mexico Environment Department (NMED). This facility is classified as a minor private domestic discharger under the federal Clean Water Act (CWA), Section 402 National Pollutant Discharge Elimination System (NPDES) permit program and was assigned permit number NM0029025. The facility has a design capacity of 0.096 million gallons per day (MGD).

The Harper Valley WWTP discharges into San Juan River in Segment 20.6.4.401 of the San Juan River Basin NMAC (*State of New Mexico Standards for Interstate and Intrastate Surface Water*). Designated uses of this segment are municipal and industrial water supply, irrigation, livestock watering, wildlife habitat, secondary contact, marginal coldwater aquatic life and warmwater aquatic life.

The NMED performs a certain number of CEI's for the U.S. Environmental Protection Agency (USEPA) each year. The purpose of this inspection is to provide USEPA with information to evaluate the permittee's compliance with the NPDES permit. This report is based on review of files maintained by the permittee and NMED, on-site observation by NMED personnel, and verbal information provided by the permittee's representative. Findings of the inspection are detailed on the attached EPA form 3560-3 and in the narrative Further Explanations section of the report.

On May 22, 2012 the Inspector tried to contact Mr. Hathaway, President of HVMA, and Mr. Elliott, HVMA Board of Directors, to arrange entrance into the facility. Contact personnel work at other jobs and entrance to the facility had to be arranged after working hours. All phone contact numbers were out of service. A call was placed to Mr. Hathaway's home phone and a message left. On the morning of the May 23, 2012 calls were again placed to arrange entrance into the facility. Mr. Mike West, the new Facility Operator, contacted the Inspector and arrangements were made to meet after 1700 hours at the facility. An exit interview was held at the facility with Mr. West at 1845. The facility has no office so a request was made for past lab results and flow measurements.

Treatment Plant Description

Raw wastewater flows by gravity to a lift station located up gradient of the WWTP. This WWTP services a small housing development of less than 163 homes. The lift station consists of two pumps and has a holding capacity of 12 hours should the pumps become inoperable. An alarm light is situated on top of the lift control panel and is monitored by Mr. Hathaway when in the area. In the event of a mechanical or power failure, a local septage hauler would be contacted and employed to pump out the wastewater and deliver it to the Farmington WWTP. The lift station has no fence around it and the door has no lock to prevent anyone from opening it. All metal items show heavy corrosion with wire being used to help support level probes, (see photo 1).

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May 23, 2012

When an inspection was performed at the facility in 2001 the influent entered the treatment plant through a 1" gapped bar screen and flowed into the aeration basin. At the present time the influent enters the aeration basin directly. There is no permanent bar screen at the WWTP where large solids can be removed before entering the aeration basin. A fixed surface aerator provides mixing of the wastewater and is controlled by an automatic timer that switches the aerator on or off. On the day of the inspection the water was a blackish/gray color when the fixed surface aerator was off and the plant had a slight septic waste smell.

A set of V-weirs decants wastewater from the aeration basin into a rectangular basin where it flows to the clarifier. At the time of the inspection, the aeration basin weirs were partially clogged with algal growth, brownish scum, and other solids. The aging weir structure showed signs of metal deterioration such as worn notches. The aeration unit discharges to the clarifier when the water level reaches the level of the weir. When the fixed surface aerator is operating water does not flow smoothly through the notched weir but surges and bounces across the teeth carrying solids with it (see photo 2).

The rectangular clarifier is equipped with a manually operated traveling bridge that skims off foam, scum, and other floatable material into a trough. Return Activated Sludge (RAS) from the clarifier is routed back to the aeration basin or enters an aerated digester as waste activated sludge. Observations of the clarifier basin; there appeared to be grease/oil balls mixed with a green scum on the surface. A scum layer 2 to 3 inches in depth covered the surface of the clarifier (see photo 3). The depth of the sludge blanket was undetermined; settling did not appear to be occurring. When asked for a measurement of the sludge blanket the operator did not know how this could be achieved, training in measuring sludge depth would aid in process control. The operator had no process control program in place or even the basic equipment to properly monitor the facility such as an O₂ meter, pH meter, Sludge Judge, or a plastic 1 liter beaker to take a 30 minute Settleable Solid test.

Clarified effluent flows to the serpentine chlorine contact chamber where calcium hypochlorite tablets in water are set on a continuous drip dosing system. The tablets at times fail to completely dissolve and at times clog the chlorine injector. The effluent had a gray cloudy appearance, solids/grease/scum was floating in the chlorine contact chamber (see photo 3 & 4).

The treated and chlorinated wastewater passes through a pipe fitted with distribution tubes for tablets of sodium sulfite for dechlorination. Following the dechlorination unit, the flow enters an approximately 4 foot V notch weir box where flow measurements and effluent samples are taken. The treated wastewater then flows through an enclosed six inch diameter pipe to an open channel then to the San Juan River located roughly 150 feet away. The plant is clearly showing its age, cracks in the concrete can be found throughout the plant. All metal fixtures show clear signs of corrosion and pitting.

Solids Management

Sludge wasted from the aeration basin and clarifier enters an aerated digester equipped with a blower that supplies air through submerged tubes. Sludge removal takes place once a year during the summer when needed. The sludge is removed through a set of valves at the exterior of the plant by a vector truck. The solids can be removed from any of the three chambers in the plant with this method. Solids removed from

Compliance Evaluation Inspection
Harper Valley Home Owners Association Wastewater Treatment Facility
NPDES Permit No. NM0029025
May 23, 2012

the plant are hauled to the City of Farmington (NPDES Permit #NM0020583). The solids are processed at the Farmington WWTP and final disposal is at the San Juan County Regional Landfill.

Further Explanations

Section A-Permit Verification: “Unsatisfactory”

1. Per Part III, A, 4, Duty to Reapply, *“If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. The application shall be submitted at least 180 days before the expiration date of this permit. The Director may grant permission to submit an application less than 180 days in advance but no later than the permit expiration date. Continuation of expiring permits shall be governed by regulations promulgated at 40 CFR Part 122.6 and any subsequent amendments”*

The Harper Valley Homeowners Association NPDES permit (NM0029025) expired on June 30, 2011. The WWTP has continued to operate and discharge into the San Juan River without an application for a permit renewal on file or an active permit. The Clean Water Act (CWA) provides that the discharge of any pollutant into the waters of the United States by any person is unlawful except when these discharges are subject to a national pollutant discharge elimination system (NPDES) permit.

Section B – Recordkeeping and Reporting: “Unsatisfactory”

1. Per Part III, C, 5, b, MONITORING PROCEDURES, *“The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instruments at intervals frequent enough to insure accuracy of measurements and shall maintain appropriate records of such activities.”*

The operator does not have a pH meter so to meet the sampling requirements the sample is taken off site for measurement. The time to take the sample and delivery it may exceed the 15 minute time limit, no documentation was provided.

The operator has no records of instrument calibration or maintenance. **This is a repeat finding of the August 2008 inspection and the April 2010 inspection.**

2. Per Part III.C.3, RETENTION OF RECORDS, *“[t]he permittee shall retain records of all monitoring information, including all calibration and maintenance records ...copies of all reports required by this permit ...”*

Compliance Evaluation Inspection
Harper Valley Home Owners Association Wastewater Treatment Facility
NPDES Permit No. NM0029025
May 23, 2012

Records must be available for review at reasonable times. The permittee should, at minimum, train alternative personnel, and must document and make available records of all operational, treatment, sampling, and other procedures. Records and Standard Operating Procedures must be available for review, and maintained and kept in an accessible location available to appropriate personnel in the absence of Mr. West. **This is a repeat finding of the April 2010 inspection.**

Section C – Operations and Maintenance: “Unsatisfactory”

1. Per Part III, B, 3, a, b, PROPER OPERATION AND MAINTENANCE, *“The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by permittee as efficiently as possible and in a manner which will minimize upsets and discharges of excessive pollutants and will achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of this permit.”*

b. “The permittee shall provide an adequate operating staff which is duly qualified to carry out operation, maintenance and testing functions required to insure compliance with the conditions of this permit.”

- The present operator has no certification or formal training in WWTP management. **This is a repeat finding of the August 2008 and April 2010 inspection.**
- The lift station has no fence around it; the metal door covering the lift station has no lock to keep it from being opened. The floats in the well which trigger the pumps are attached to a bar at the top of the lift station; this bar is held in place on one side by a wire. The other side of the bar is also attached to a wire which helps support it. The wires are connected to the ground outside the lift station, (see photo 1). If the bar fails, the established pumping level and on/off cycles may be non-operational. The lift station is located next to the river.
- There is no high level alarm system in place at the lift station to notify the operation staff in the event of a potential overflow of the station. This is done visually when the operator is in the area. **This is a repeat finding of the August 2008, and April 2010 inspection**
- There is no backup power in place should the power fail for any extended period of time. **This is a repeat finding of the August 2008 and April 2010 inspection.**

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Section G – Effluent/Receiving water observations: Overall rating of “Unsatisfactory”

1. Per Part I, A,1, FLOATING SOLIDS, VISIBLE FOAM AND/OR OILS, *“There shall be no discharge of floating solids or visible foam in other than trace amounts. There shall be no discharge of visible films of oil, globules of oil, grease or solids in or on the water, or coatings on stream banks.”*

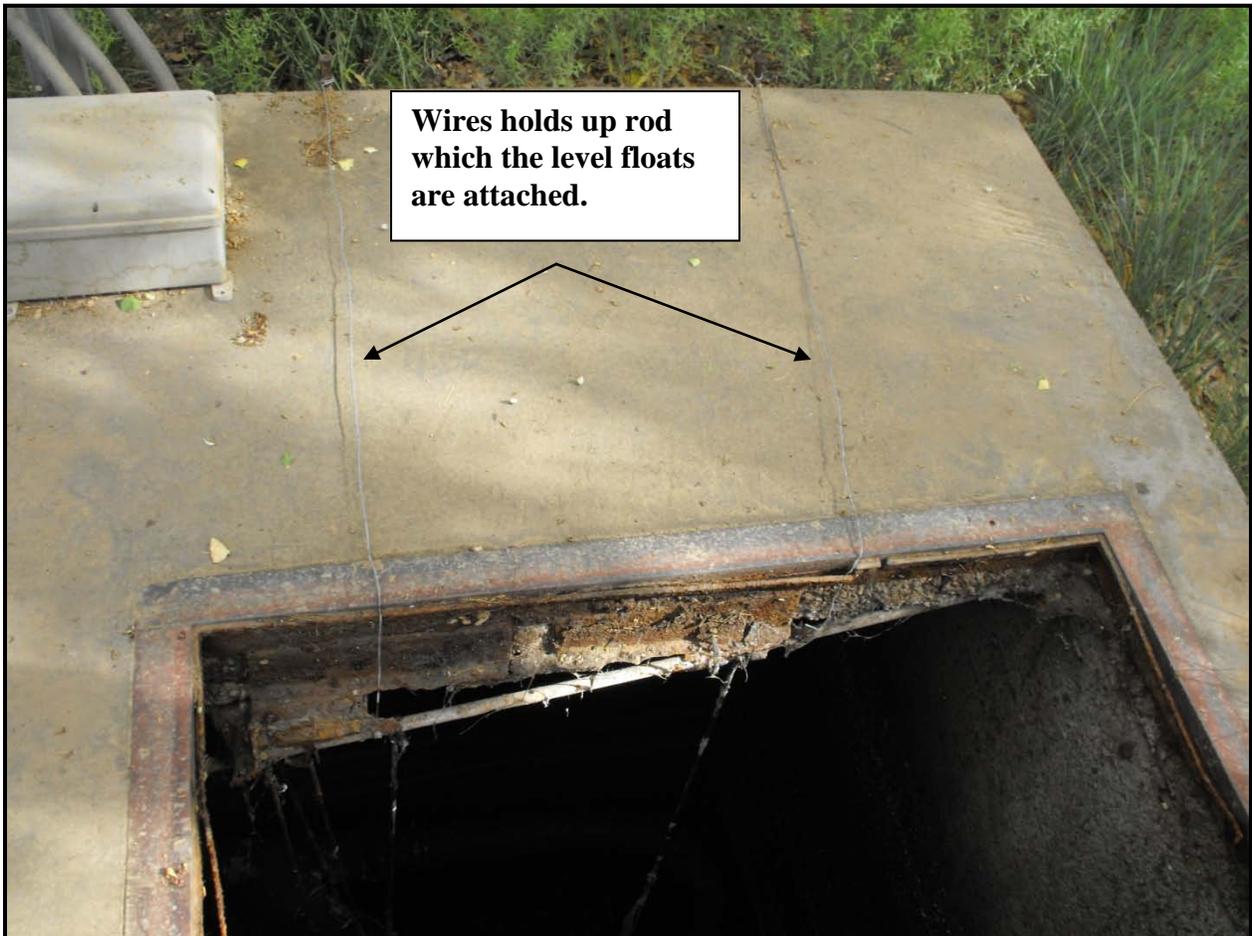
Solids could be seen discharging from the chlorine contact chamber into the pipe flowing into the San Juan River (see photos 4 & 5).

NMED/SWQB

Official Photograph Log

Photo # 1

Photographer: Daniel Valenta	Date: 5/23/2012	Time: 1745
City/County: Community of Harper Valley, Farmington /San Juan County		
Location: Lift station at the south end of Road 6050, Community of Harper Valley, facing south.		
Subject: Entrance to lift station.		



NMED/SWQB

Official Photograph Log

Photo # 2

Photographer: Daniel Valenta	Date: 5/23/2012	Time: 1833
City/County: Community of Harper Valley, Farmington /San Juan County		
Location: Harper Valley WWTP at the end of road 6070, Community of Harper Valley, looking south.		
Subject: Solids get through the aeration basin weir.		



NMED/SWQB

Official Photograph Log

Photo # 3

Photographer: Daniel Valenta	Date: 5/23/2012	Time: 1834
City/County: Community of Harper Valley, Farmington /San Juan County		
Location: Harper Valley WWTP at the end of road 6070, Community of Harper Valley, looking south.		
Subject: Clarifier chamber, oil/grease balls floating in the scum blanket, a sludge depth measurement was unavailable.		



NMED/SWQB

Official Photograph

Log Photo # 4

Photographer: Daniel Valenta	Date: 5/23/2012	Time: 1840
City/County: Community of Harper Valley, Farmington /San Juan County		
Location: Harper Valley WWTP at the end of road 6070, Community of Harper Valley, looking west.		
Subject: Scum floating on top of the chlorine contact chamber, a sludge depth measurement was unavailable.		



NMED/SWQB

Official Photograph

Log Photo # 5

Photographer: Daniel Valenta	Date: 5/23/2012	Time: 1842
City/County: Community of Harper Valley, Farmington /San Juan County		
Location: Harper Valley WWTP at the end of road 6070, Community of Harper Valley, looking west.		
Subject: Discharge pipe from the chlorine contact chamber to the river.		



NMED/SWQB

Official Photograph

Log Photo # 6

Photographer: Daniel Valenta	Date: 5/23/2012	Time: 1418
City/County: Community of Harper Valley, Farmington /San Juan County		
Location: Harper Valley WWTP at the end of road 6070, Community of Harper Valley, looking northwest.		
Subject: Discharge from Outfall 001, Harper Valley WWTP, as it flows into the San Juan River.		



Harper Valley Homeowner's Asso
 NM0029025 001A

Date	TDS	TSS	TSS	TSS	Q	Q	TRC	E Coil	E Coil	Fecal	Fecal	BOD	BOD	BOD	pH	pH
	7 Day Av	30 Day Av	30 Day Av	7 day Av	MGD	MGD	mg/l	30 Day Av	7 Day Av	30 Day Av	7 Day Av	30-Day Av	30 Day Av	7 Day Av	6.50	8.6
	400 mg/l	24 02 lbs/day	30 mg/l	45 mg/l	30 Day Avg	Daily Mx	0.019	128 ctu	410 ctu	100ctu	200 ctu	24 02 lbs/Day	30 mg/l	45 mg/l		
3/1/12	214.00	14.80	44.60	44.60	0.020	0.086	0.000	24196	24196	5900	5900	66.60	198.40	198.40	8.20	8.20
2/1/12					0.018	0.043	0.000									
1/1/12					0.017	0.034	0.000									
12/1/11																
11/1/11																
10/1/11																
9/1/11	402.00	1.96	14.70	14.70	0.015	0.043	0.000	6198	6198	2407	2894	2.25	16.60	16.60	7.85	7.85
8/1/11					0.020	0.028	0.000									
7/1/11					0.014	0.034	0.000									
6/1/11	480.00	15.30	115.80	173.70	0.020	0.034	0.000	24000	24000	7950	7950	2.89	20.40	20.40	7.37	7.37
5/1/11					0.014	0.034	0.000									
4/1/11					0.035	0.086	0.000									
3/1/11	376.00	3.13	25.00	25.00	0.015	0.086	blank	4109	4109	158	158	1.50	15.00	15.00	7.37	7.37
2/1/11					0.004	0.014	0.000									
1/1/11					0.026	0.086	0.000									
12/1/10	358.00	4.21	25.30	31.50	0.020	0.058	0.000	33	33	4	4	2.90	12.00	12.00	7.40	7.40
11/1/10					0.250	0.043	0.000									
10/1/10					0.031	0.041	0.000									
9/1/10	468.00	15.39	41.00	41.00	0.030	0.045	0.000	27	27	11	11	4.13	11.00	11.00	7.90	7.90
8/1/10					0.034	0.050	0.000									
7/1/10					0.041	0.062	0.000									
6/1/10	344.00	7.76	49.00	49.00	0.036	0.064	0.000	15	15	3	3	4.60	29.00	29.00	7.90	7.90
5/1/10					0.048	0.068	0.000									
4/1/10					0.034	0.062	0.000									
3/1/10	454.00	22.29	121.50	110.00	0.039	0.061	0.010	90	90	<10	<10	23.12	126.00	152.00	7.61	7.61
2/1/10					0.041	0.061	0.000									
1/1/10					0.042	0.054	0.010									
12/1/09	404.00	20.98	89.00	74.00	0.047	0.068	BLANK	115	115	4	4	11.34	46.00	40.00	7.64	7.64
11/1/09					0.062	0.084	0.000									
10/1/09					0.061	0.084	0.010									
9/1/09	296.00	12.01	48.00	33.50	0.069	0.101	0.000	9	9	<4	<4	5.02	14.00	14.00	7.95	9.95
8/1/09					0.064	0.110	0.000									
7/1/09					0.072	0.108	BLANK									
6/1/09	302.00	11.34	40.00	40.00	0.030	0.108	BLANK	285	341	164	249	8.79	31.00	31.00	7.51	7.51
5/1/09					0.033	0.048	0.000									
4/1/09					0.028	0.057	0.000									
3/1/09	379.00	8.89	39.50	39.50	0.0350	0.0550	0.000	6	6	7	7	10.58	45.00	45.00	7.41	7.74
2/1/09					0.0310	0.0700	0.000									
1/1/09					0.0270	0.0410	0.000									
12/1/08	298.00	7.88	31.50	33.00	0.0270	0.0610	Blank	2203	126000	2104	128000	8.38	33.50	35.00	7.65	7.65
11/1/08					0.0500	0.0760	Blank									
10/1/08					0.0260	0.0540	0.000									
9/1/08	333.00	5.32	22.00	22.00	0.0280	0.0430	0.000	51	51	26	26	12.09	5.00	5.00	7.61	7.61