NPDES 24hr Non-Compliance Report - Call Summary

Call Received By	Date of Call	Time of Call	NonComp Date	Sector
Jason Rodriguez	11/19/2015		11/19/2015	Muni

Print Current Form

Mail Today's Report

Open Query

Caller Name	Harry Stites	Caller Phone #	208-734-9933
Facility Name	Twin Falls, City of		
Permit ID	ID0021270	NonCompliance Type	CSO/SSO

Violation Description

had an SSO behind Con Agra, about 250 gal. Spill was contained to the site.

Comments

Form ID	1067	Entry Qtr	2015 Q4	Entry Date	11/20/2015

NPDES 24hr Non-Compliance Report - Call Summary

Call Received By	Date of Call	Time of Call	NonComp Date	Sector
Jason Rodriguez	11/23/2015		11/23/2015	Muni

Print Current Form

Mail Today's Report

Open Query

Caller Name	Jason Brown	Caller Phone #	208-735-7272
Facility Name	Twin Falls, City of		
Permit ID	ID0021270	NonCompliance Type	CSO/SSO

Violation Description

SSO, foam from the dispatcher onto the ground.

Comments

Form ID	1071	Entry Qtr	2015 Q4	Entry Date	11/25/2015

CH2M HILL
P.O. Box 5158
Twin Falls, ID 83303-5158
Tel 208.734.9933
Fax 208.734.9937

CH2MHILL

RECEIVED
NOV 30 2015
U.S. EPA REGION 10
Office of Compliance and Enforcement

November 20, 2015

Director, Office of Compliance and Enforcement
US EPA Region 10
Attn: ICIS Data Entry team, OCE-133
1200 Sixth Avenue, Suite 900
Seattle, Washington 98101-3140

Re: NPDES Permit # ID-002127-0

On November 19th, 2015, the Twin Falls Upflow Anaerobic Sludge Bed (UASB), pre-treatment facility experienced a loss of containment. It is estimated that approximately 250-300 gallons of digester effluent overflowed from the solids holding tank onto the surrounding ground.

The UASB treats high strength food waste from Con Agra Specialty Foods. No domestic waste enters into the facility.

While back-flowing effluent from digester #2 through the solids holding tank and into digester #1, the working surface water level of the solids holding tank was exceeded. The solids holding tank had recently been reduced in capacity from 80,000 gallons to 60,000 gallons. This was not taken into account when the procedure was started.

The procedure for this practice has been modified with new Standard Operating Procedures implemented.

If you have any further questions, please contact me.

Sincerely,

Shawn Moffitt
Project Manager II
CH2M HILL

Cc: Dave Anderson/IDEQ
Jackie Fields/City Engineer

CITY OF TWIN FALLS
PEOPLE SERVING PEOPLE

P.O. Box 1907 321 Second Avenue East Twin Falls, Idaho 83303-1907 Fax: (208) 736-2296

ENGINEERING *208-735-7270*

RECEIVED
NOV 30 2015
EPA REGION 10
Office of Compliance and Enforcement

Date: November 23, 2015

Director, Office of Compliance and Enforcement
US EPA Region 10
Attn: ICIS Data Entry Team, OCE-133
1200 Sixth Avenue, Suite 900
Seattle, WA 98101-3140

Re: NPDES Permit #ID-002127-0; Loss of sewer containment-collection system

Pursuant to Section III.G.2 of the City of Twin Falls (City) National Pollutant Discharge Elimination System (NPDES) Permit #ID-002127. The City is required to provide within five days a written report of the event.

On November 21, 2015 at approximately 5:00 p.m. a citizen notified the City of Twin Falls (City) informing us that foam was coming from a dissipation structure prior to entering the City's wastewater treatment facility. The incident was reported to the EPA hotline. The situation was responded to and the foam was controlled by using a defoaming agent and water. It is estimated that a 1000 gallons of foam came out of the dissipation structure during this event. Please note, that there was no untreated sewage that overflowed from the collections system, this event was limited to foam.

If you have any further questions or concerns please contact me at (208) 735-7272 or jbrown@tfid.org.

Sincerely,

Jon Caton

Jon Caton, P.E.
Public Works Director

Cc: Dave Anderson/IDEQ
Jackie Fields, P.E., City Engineer
Jason Brown, Environmental Engineer

C-2

US EPA

ID0021270

MAR 0 2 2015

IDAHO OPERATIONS OFFICE

STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

650 Addison Avenue West, Suite 110 • Twin Falls, Idaho 83301 • (208) 736-2190
www.deq.idaho.gov

C.L. "Butch" Otter, Governor
Curt Fransen, Director

February 26, 2015

The Honorable Donald Hall
Mayor, City of Twin Falls
P.O. Box 1907
Twin Falls, Idaho 83303

RE: "Record Drawings" Review, **Twin Falls Wastewater Treatment Plant Phase 2 Expansion Project, Construction Package 1,** Twin Falls County. Record Drawings submitted February 11, 2015.

Dear Mayor Hall:

Please be aware that the above referenced "Record Drawings" have been submitted to this office for our review and approval.

This office has reviewed the "Drawings of Record" and the system is approved for operation.

We are forwarding one stamped record drawing set to Troy Vitek for his respective use and project record and we are retaining the remaining copy with our file records.

If you have any questions, please do not hesitate to call this office at (208) 736-2190.

Sincerely,

Brian A. Reed, P.E.
Water Quality Engineer

BAR:GTM:gl

cc: Gregg Thompson, P.E., Project Manager, CH2MHill
Jackie Fields, P.E. City Engineer, City of Twin Falls
Troy Vitek, P.E., City of Twin Falls w/ approved stamped record drawing set
Maria Lopez, EPA-IOO, Boise

ec: Tammara Golightly, DEQ-State Office

CH2M HILL
P.O. Box 5158
Twin Falls, ID 83303-5158
Tel 208.734.9933
Fax 208.734.9937

March 25, 2015

RECEIVED
MAR 30 2015
U.S. EPA REGION 10
Office of Compliance and Enforcement

Director of the Office of Water and Watersheds
EPA Region 10
Attn: NPDES Permit Unit Manager
1200 Sixth Avenue
Suite 900 OWW- 130
Seattle, WA 98101

Re: Twin Falls NPDES Permit # ID-002127-0

Please be informed that the Twin Falls Wastewater Treatment Plant experienced a power outage that resulted in an approximate 9 minute discharge of non-disinfected effluent.

The wastewater plant experienced a power loss at 16:13 on March 23. The backup generator that powers the UV failed to start. At 16:22 the effluent flow was diverted to the old chlorine contact chamber where it will be pumped back to the influent channel. At 16:35 backup power was restored and the UV system was once again operational and the flow was diverted back through the UV system. Upon investigation, it was determined that the generator batteries had insufficient power to start the generator. New batteries were purchased and installed along with individual chargers for each battery. Testing of these batteries and the generator is on a monthly preventative maintenance schedule.

Sincerely,

Shawn Moffitt
Project Manager II
CH2M HILL

Cc: Dave Anderson/IDEQ

STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

650 Addison Avenue West, Suite 110 • Twin Falls, Idaho 83301 • (208) 736-2190
www.deq.idaho.gov

C.L. "Butch" Otter, Governor
Curt Fransen, Director

June 30, 2015

US EPA
JUL 07 2015
IDAHO OPERATIONS OFFICE

Jackie Fields, P.E.
City of Twin Falls
P.O. Box 1907
Twin Falls, Idaho 83303

Re: **Wastewater Facility Planning Report Review**. City of Twin Falls, 2015 Wastewater Collection System Master Plan, submitted June 18, 2015, Twin Falls County.

Dear Ms. Fields:

Please be aware that Mark Holtzen with JUB Engineers has submitted the above referenced wastewater facility planning report to this office for our review and approval.

It was determined from our review of the completed planning study that the facility planning report sufficiently outlines the existing wastewater system; includes the necessary pre-design information and provides sufficient alternatives, which may allow the city to remain compliant with state requirements now and throughout the appropriate planning periods. At this time, we hereby approve this report for use by the city for wastewater collection system planning.

Please be aware that we have forwarded one (1) stamped approved facility plan to Mr. Holtzen for his records.

If you have any questions, please do not hesitate to contact this office at 736-2190.

Sincerely,

Joseph Otero, P.E.
Staff Engineer

JO:gl

cc: Mark Holtzen, PE, JUB Engineers, Twin Falls w/ one (1) stamped planning study
Jon Caton, PE, City of Twin Falls
Maria Lopez, EPA-IOO, Boise

ec: Chas Ariss, PE, DEQ-State Office
Tammarra Golightly, DEQ-State Office

C-2

CITY OF TWIN FALLS
PEOPLE SERVING PEOPLE

RECEIVED
MAY 29 2015
U.S. EPA REGION 10
OFFICE OF COMPLIANCE AND ENFORCEMENT

P.O. Box 1907 321 Second Avenue East Twin Falls, Idaho 83303-1907 Fax: (208) 736-2296

ENGINEERING *208-735-7270*

Date: May 27, 2015

Director, Office of Compliance and Enforcement
US EPA Region 10
Attn: ICIS Data Entry Team, OCE-133
1200 Sixth Avenue, Suite 900
Seattle, WA 98101-3140

Re: NPDES Permit #ID-002127-0; Loss of sewer containment

On March 10, 2015 the City of Twin Falls (City) discovered liquid coming from the bank of Rock Creek. In a letter sent to the US EPA Region 10 dated March 16, 2015, it explained that the City was investigating the source of the liquid. These investigative efforts led the City to the source of the liquid, which was determined to be wastewater coming from a leaky manhole near the canyon rim located near 118 Market Avenue. After the source of the wastewater was discovered, the City implemented a plan to repair the manhole as quickly as practicable. The City replaced the manhole and performed the necessary cleanup efforts associated with the leak. The discharge of wastewater into Rock Creek ceased on April 24, 2015.

If you have any further questions or concerns please contact me at (208) 735-7272 or jbrown@tfid.org.

Sincerely,

Jason Brown
Environmental Engineer

Cc: Balthasar Buhidar/IDEQ
Jackie Fields, P.E., City Engineer
Jon Caton, P.E., Public Works Director
Christy Eames, Hamilton Manufacturing Corp.

C-6

NPDES 24hr Non-Compliance Report - Call Summary

Call Received By	Date of Call	Time of Call	NonComp Date	Sector
Chris Gebhardt	3/24/2015	1:47 PM		Muni

Print Current Form

Mail Today's Report

Open Query

Caller Name	Dustan Rainey	Caller Phone #	208-734-9933
Facility Name	City of Twin Falls WWTP		
Permit ID	ID0021270	NonCompliance Type	O&M

Violation Description

At 1613 lost power. Took 9 minutes to divert water. For duration, we did not have disinfection.

Comments

Form ID	821	Entry Qtr	2015 Q1	Entry Date	3/26/2015

CITY OF TWIN FALLS
PEOPLE SERVING PEOPLE

RECEIVED
MAR 23 2015
U.S. EPA REGION 10
Office of Compliance and Enforcement

P.O. Box 1907 321 Second Avenue East Twin Falls, Idaho 83303-1907 Fax: (208) 736-2296

ENGINEERING *208-735-7270*

Date: March 16, 2015

Director, Office of Compliance and Enforcement
US EPA Region 10
Attn: ICIS Data Entry Team, OCE-133
1200 Sixth Avenue, Suite 900
Seattle, WA 98101-3140

Re: NPDES Permit #ID-002127-0; Loss of sewer containment

Pursuant to Section III.G.2 of the City of Twin Falls (City) National Pollutant Discharge Elimination System (NPDES) Permit #ID-002127. The City is required to provide within five days a written report of the event.

On March 10, 2015 at approximately 3:00 PM the City of Twin Falls discovered liquid coming out of the bank of Rock Creek west of the Highway 74 (Shoshone Street South) bridge. Through further investigation of the liquid which include some samples, the City identified this liquid as wastewater. The City has a sewer trunk line (Airport Trunk Line) that services the southern parts of the City including the regional airport on the south end of town near this location. Once the City had determined the liquid was wastewater, a phone call was placed to the 24 hour compliance hotline at 2:06 PM on March 11, 2015.

Because the location of the discharge is in an area in the Rock Creek Canyon that is inaccessible to large exploratory equipment (i.e. excavator), access to the area will require ingressing and egressing Rock Creek, and thus will require coverage under a Section 404 permit from the U.S. Army Corps of Engineers. We are in the process presently to obtain the necessary emergency permits for access. The City is also working with the Idaho Department of Environmental Quality to resolve this situation. However, the City is still uncertain this wastewater is coming from the Airport sewer trunk line. Once the City has received approval to cross Rock Creek to get to the location, exploratory excavation will occur to hopefully discover the source of the wastewater. There is a potential that this wastewater could be coming from another source not related to the City's Airport trunk line.

If you have any further questions or concerns please contact me at (208) 735-7272 or jbrown@tfid.org.

RECEIVED
MAR 2 3 2015
U.S. EPA REGION 10
OFFICE OF COMPLIANCE AND ENFORCEMENT

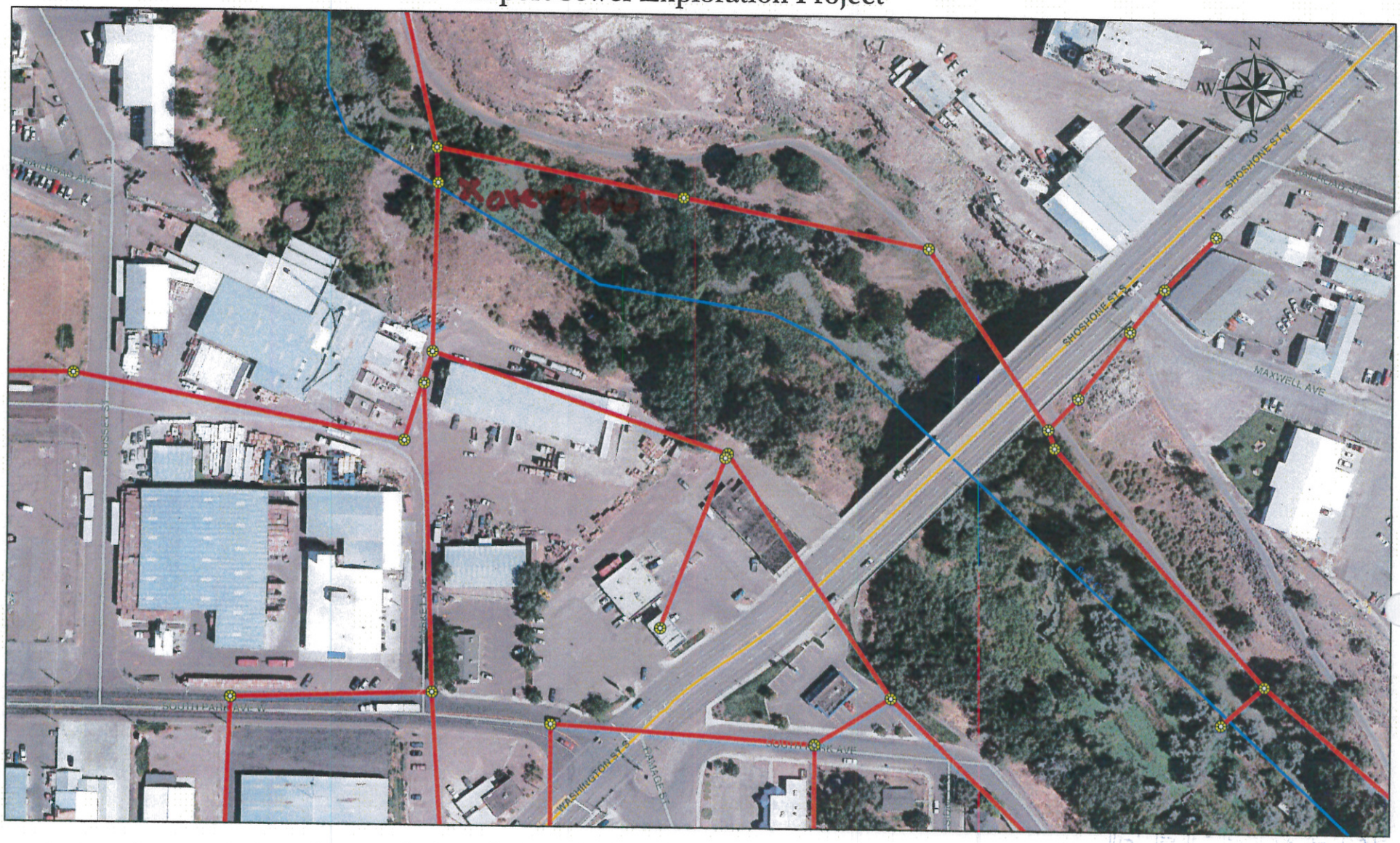
Sincerely,

Jason Brown
Environmental Engineer

Encl: Overflow Location Map

Cc: Balthasar Buhidar/IDEQ
Jackie Fields, P.E., City Engineer
Jon Caton, P.E., Public Works Director

Airport Sewer Exploration Project



RECEIVED
MAR 2 3 2015
U.S. EPA REGION 10
OFFICE OF COMPLIANCE AND ENFORCEMENT

C-6

NPDES 24hr Non-Compliance Report - Call Summary

Call Received By	Date of Call	Time of Call	NonComp Date	Sector
Chris Gebhardt	3/11/2015	1:06 PM		CSO/SSO, Muni

Print Current Form

Mail Today's Report

Open Query

Caller Name	Jason Brown	Caller Phone #	208- 735-7272
Facility Name	City of Twin Falls		
Permit ID	ID002127	NonCompliance Type	CSO/SSO

Violation Description	
Comments	

Form ID	815	Entry Qtr	2015 Q1	Entry Date	3/26/2015

CH2M HILL
P.O. Box 5158
Twin Falls, ID 83303-5158
Tel 208.734.9933
Fax 208.734.9937

CH2MHILL

March 9, 2015

RECEIVED
MAR 16 2015
U.S. EPA REGION 10
Office of Compliance and Enforcement

Director, Office of Compliance and Enforcement
US EPA Region 10
Attn: ICIS Data Entry team, OCE-133
1200 Sixth Avenue, Suite 900
Seattle, Washington 98101-3140

Re: NPDES Permit # ID-002127-0

For the week beginning February 22, 2015, the Twin Falls Wastewater Treatment Plant experienced a weekly average effluent TSS mg/L excursion. The permit limit for weekly average effluent TSS mg/L is 45 mg/L. Analytical results show an average of 48 mg/L for the week.

The wastewater plant experienced average monthly influent BOD loadings of 30,356 lbs/BOD/day. The CEPT (chemically enhanced primary treatment) system was turned on to decrease the loadings to the aeration basins. Once the activated sludge inventory in the aeration basins was increased, the CEPT system was discontinued. It was anticipated that the BOD removal through the primary clarifiers would decrease, but BOD removal through the primaries continued to average 38% for the month (BOD removal was 6% prior to the CEPT system being turned on). The activated sludge inventory was too high for the decreased BOD coming from the primary clarifiers, causing an upset of the activated sludge process. The activated sludge inventory has since been decreased and the TSS results for March 2015 show the plant is in compliance.

If you have any further questions, please contact me.

Sincerely,

Shawn Moffitt
Project Manager II
CH2M HILL

Cc: Dave Anderson/IDEQ
Jon Caton/Public Works Director

Copy sent to Sharon Eng 6/4/15

US EPA
MAY 18 2015
IDAHO OPERATIONS OFFICE

STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

650 Addison Avenue West, Suite 110 • Twin Falls, Idaho 83301 • (208) 736-2190
www.deq.idaho.gov

C.L. "Butch" Otter, Governor
Curt Fransen, Director

May 13, 2015

Mr. Jeff Hodson P.E. (City of Twin Falls - ID0021270)
CH2M HILL
322 East Front Street, Suite 200
Boise, Idaho 83702

RE: Preliminary Engineering Report review, Twin Falls Wastewater Treatment Plant Phase 2 Expansion Headwork's Improvements, submitted May 4, 2015

Dear Mr. Hodson:

This office has completed our review of the above referenced Preliminary Engineering Report and we have the following comments:

- PER, Page 1, Introduction, Paragraph 2, line 4. It appears "cover the **protected** costs" should be "**projected** costs". Courtesy comment.

- PER, Page 2, third paragraph, third line "**The City would therefore prefers to complete"** it appears requires editing. Courtesy comment.

- It appears to this reviewer that the Headwork's Project (at an estimated cost of six million dollars plus or minus), may not meet Idaho procurement requirements if pursued as an amendment or change order with the existing contractor. Please discuss the Idaho Code procurement requirements regarding the eligibility of this amendment or change order. Please consider providing an attorney's opinion regarding this matter. Courtesy comment.

- Will the City pursue pre-purchasing equipment for the headwork's improvements? Please be reminded that if the City does intend to pre-purchase equipment, this office needs to review plans and specifications for the pre-purchased equipment.

- PER, Page 4, Hydraulic Analysis, second paragraph, "**a basis for the setting elevations of**" appears to require editing. Courtesy comment.

- PER, Page 4, Design Criteria, Paragraph 3. We cannot locate the referenced Table 1-1 in the submitted document. Is the Table 1-1 referenced intended to be "**Table 8-1**"?

- PER, Page 4, Design Criteria, Paragraph 3. It appears that the referenced hydraulic profile is located in the drawings and should be identified and referenced as such. Courtesy comment.

- PER, Page 5, Plant Influent Flow Measurement, second line "From **on** the filtrate pump station" appears to require editing. Courtesy comment.

- PER, Page 12, Table 11.1-5, Biofilter (Engineered Media), weighed score. It appears that the total weighed score may be **8.9** rather than **8.8**. Also, in the same table, Carbon, weighed score, it appears may be **7.9** rather than **7.8.**

- PER, Page 14, Table 11.1-6, Line 5, Configuration, Concrete **basis** it appears should be **basin.** Courtesy comment.

- PER, TM 11.1 – Odor Control. Reviewing the section, this reviewer is considering the text material that indicates a large portion of the H2S is stripped and mixed with oxygen at the energy dissipation structure (which is located in the same proximity as the headwork's). Removing the foul air from the new and existing headwork's is certainly necessary for the health and safety of the workers. However, it appears that the expense of constructing and maintaining the odor control technology may be questionable. If large volumes of H2S are being relieved and escaping to atmosphere across the road from the headwork's, will the removal of odors from the headwork's foul air be significant in the big picture?

- Drawings, Cover Sheet. It appears that the word **"Improvments"** should be spelled **"Improvements".** Courtesy comment.

- Drawings, Plan Sheet GEN-LG-030, Legend. It appears that **"FABRIC CHLORIDE"** should be **"FERRIC CHLORIDE"**. Courtesy comment.

- Drawings, Sheet GEN-LG-031A. Flow rate, Scenario 3. **"and Primary Clarifier 2"** it appears should be **"and Primary Clarifier 3"**. Courtesy comment.

- Drawings, Sheet GEN-LG-030, Legend. It appears that **"RS, Raw Sewage"** is not utilized in the schematic drawing. **"SS"** appears to displace **"RS"**. Courtesy comment.

- With respect to flow proportional sampling, please provide information regarding the ability to provide representative flow proportional samples if both new and existing headwork's are utilized during prescribed flow conditions. Will the sampler be capable of calculating the difference between the three flow meters and the existing parshall flume? Will there be two samplers? How will the samples collected be divided for lab purposes?

- Drawings, Sheet FS1-ME-111. It appears that Sections A and B may be switched with respect to the cut sections shown on the Effluent Box Plan. Courtesy comment.

- If the new headwork's includes W1 water piping, please assure that approved backflow prevention device(s) are provided to protect the W1 water.

Please submit additional information and three copies of a revised Preliminary Engineering Report and Drawings to this office for review and comment/approval. The report should be stamped, date sealed and signed by a registered engineer licensed to practice in the State of Idaho.

Please be reminded that our office will retain one copy of the reviewed approved document(s) for our records, one copy will be sent to the City and one copy will be returned to the Engineer. Additional copies of the document(s) will need to be submitted if required for your use and records.

If you have any questions, please do not hesitate to call (208) 736-2190.

Sincerely,

Gregory T. Misbach

Gregory T. Misbach
Water Quality Engineer

GTM:gl

cc: Jackie Fields P.E., City Engineer, City of Twin Falls
Troy Vitek, P.E. Project Manager, City of Twin Falls
Gregg Thompson, P.E., CH2MHill
Maria Lopez, EPA-IOO, Boise

ec: Tammara Golightly, DEQ-State Office

Cpy sent to Sharon Eng US EPA 6/4/15

MAR 27 2015

IDAHO OPERATIONS OF

STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

650 Addison Avenue West, Suite 110 • Twin Falls, Idaho 83301 • (208) 736-2190
www.deq.idaho.gov

C.L. "Butch" Otter, Governor
Curt Fransen, Director

March 24, 2015

The Honorable Donald Hall
Mayor, City of Twin Falls (ID0021270)
P.O. Box 1907
Twin Falls, Idaho 83303

Re: **"Operations and Maintenance Manual"** Review, Chobani Industrial Wastewater Pretreatment Facility, submitted March 13, 2015, Twin Falls County

Dear Mayor Hall:

Please be aware that Greg Walker with CH2MHill has submitted the above referenced wastewater treatment plant operation and maintenance manual to this office for our review and approval.

It appears from our review of the manual that the necessary operational information is provided and wastewater treatment plant operators should seemingly be able to effectively operate and maintain the wastewater treatment plant. We hereby approve this operation maintenance manual for use by the city of Twin Falls as a wastewater treatment operational reference.

This manual should be retained in a location convenient to staff and other system personnel who are responsible for wastewater treatment system operation. As you may already be aware this manual has been developed to expand and should be updated as new facilities are installed or acquired.

We are forwarding one wastewater treatment operation and maintenance to Mr. Troy Vitek for city use and project record.

If you have any questions, please do not hesitate to call this office as 736-2190.

Sincerely,

Joseph Otero, P.E.
Staff Engineer

JO:gl

cc: Greg Walker, PE, Project Manager, CH2MHill, Boise
Jackie Fields, PE, City Engineer, City of Twin Falls
Troy Vitek, PE, Project Manager, City of Twin Falls w/ one stamped O&M Manual
Maria Lopez, EPA-IOO, Boise

ec: Chas Ariss, PE, DEQ-State Office
Brian Reed, PE, DEQ-Twin Falls Regional Office

Sent to Sharon Eng
6/4/15

US EPA
JAN 15 2015
IDAHO OPERATIONS OFFICE

STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

650 Addison Avenue West, Suite 110 • Twin Falls, Idaho 83301 • (208) 736-2190
www.deq.idaho.gov

C.L. "Butch" Otter, Governor
Curt Fransen, Director

January 13, 2015

Mr. Jason Brown
City of Twin Falls (ID0021270)
P.O. Box 1907
Twin Falls, Idaho 83303

Re: "Plans and Specifications" Review, **City of Twin Falls Jayco (Clif Bar Service Area) Lift Station Facility Upgrade Project**, Twin Falls Co.

Dear Jason:

Please be aware that Andrew Kimmel, with Riedesel Associates has submitted the above referenced wastewater lift station design plans and specifications to this office for our use, review and comment.

This office has reviewed the submittal and we have the following comments:

- Contract Document. Addendum to ISPWC 2012 Section. Section AD-550. Page Two. Subpart 3.03.B – *"Performance"*. General Comment. It appears from our review of the design that the available quad-plex pump operation capability meant to be deleted or an additional pump pedestal or pump space be made available in the design. Please check.

- Contract Document. Addendum to ISPWC 2012 Section. Section AD-560. Page Two. Subpart 5 – *"Flow Meter"*. General Comment. It appears from our review of the design that the flow meter location is not illustrated as is suggested in the passage. Please check and amend the drawings as appropriate so that we may ensure proper construction.

- Contract Document. Mechanical Drawings. Sheet Two. General Notes. General Comment. Pursuant to *IDAPA Section 58.01.16.440.04,* please include additional electrical design specifications in the submittal so we may ensure that the facility will be compliant with subsections c.i, c.ii. and ciii upon completion.

- Contract Document. Mechanical Drawings. Sheet Two. Sewer Notes. Note Seven. General Comment. Pursuant to *IDAPA Section 58.01.16.440.10.h,* please amend the design to also include detailed force main thrust block installation

requirements or include an *"Idaho Standards for Public Works Construction (ISPWC)"* Section SD-403 reference note for present and future reference.

- Contract Document. Mechanical Drawings. Sheet Three. General Comment. After reviewing the presented wet well fill time proposal, we respectfully request that a similar analysis incorporating average daily flow figures upon startup be presented for our use and review. It is very likely that pump on/off sensors may need to be adjusted given expected flows at startup. Our ultimate concern is that longer retention times may result in increased settling and odor issues.

- Contract Document. Mechanical Drawings. Lift station Plan View. Sheet Eight. General Comment. It appears from our review of the design that the force main meant to be depicted as ten (10)-inches instead of eight (8)-inch.

- Contract Document. Mechanical Drawings. Sheet Eight. General Comment. Pursuant to *IDAPA Section 58.01.16.440.07.b,* please amend the design to include a portable pump connection with rapid connection capability should both wet well systems need to be taken off-line or sanitary service to the collection system must be diverted.

- Contract Document. Mechanical Drawings. Sheet Thirteen. Call-out MM – Drop Manual. General Comment. Please be aware that ISPWC Standard Detail SD-504 requires for manhole drop lines have a six (6)-inch concrete cover in order to protect pipe from unequal pressures.

- Contract Document. Electrical Drawings. Please ascertain that electrical design notes, renderings and illustrations be appropriately sealed by the design engineer prior to submittal for approval. Given that the existing emergency power generator will not be replaced and additional loading is expected, we respectfully request that the design also include an expected load summary (four motor and pump systems, mixer, controllers, alarms, lighting, etc.) so that we may ensure adequate backup power is already available and that the system will comply with *IDAPA Section 58.01.08.440.07.b* at build out. If the existing 25kW power unit is unable to meet the proposed total rated running load then additional improvements may be required.

- Contract Document. Electrical Drawings. Sheet Two. Keyed Notes. Note Three. After reviewing the available alarm specification, we respectfully request the passage be amended to better detail alarm trigger conditions and ensure both audio and visual alarms are installed pursuant to *IDAPA Section 58.0.16.440.06.*

Please forward two modified and amended design sets incorporating our comments for our use and approval prior to construction.

If you have any questions, please do not hesitate to contact this office at 736-2190.

Sincerely,

Brian A. Reed, PE
Technical Engineer 1

BAR:gl

cc: Andrew Kimmel, PE, Riedesel Associates, Meridian
Jackie Fields, PE, City of Twin Falls
Maria Lopez, EPA-IOO, Boise
File: The City of Twin Falls NPDES File

ec: Tammarra Golightly, DEQ-State Office

CH2M HILL
P.O. Box 5158
Twin Falls, ID 83303-5158
Tel 208.734.9933
Fax 208.734.9937

CH2MHILL

RECEIVED
DEC 24 2014
U.S. EPA REGION 10
OFFICE OF COMPLIANCE AND ENFORCEMENT

December 19, 2014

Director, Office of Compliance and Enforcement
US EPA Region 10
Attn: ICIS Data Entry team, OCE-133
1200 Sixth Avenue, Suite 900
Seattle, Washington 98101-3140

Re: NPDES Permit # ID-002127-0

For the week beginning December 7, 2014, the Twin Falls Wastewater Treatment Plant experienced a weekly average effluent TSS lbs/day and weekly average effluent TSS mg/L excursion. The permit limit for weekly average effluent TSS lbs/day is 3213 lbs/day. Analytical results show an average of 4158 lbs/day for the week. The permit limit for weekly average effluent TSS mg/L is 45 mg/L. Analytical results show an average of 75 mg/L for the week.

On December 14, 2014, the Twin Falls wastewater treatment facility experienced an instantaneous maximum limit excursion for E.coli. Analytical results for the E.coli sample were 456/100 ml of sample. The NPDES permit limit for instantaneous maximum E.coli is 406/100 ml of sample.

The cause of the loss of solids to the effluent was due to a sudden filament bloom within the activated sludge process. Chlorination of the Return Activated Sludge was immediately started to bring the filaments under control. We believe that the loss of solids contributed to the E.coli exceedence.

If you have any further questions, please contact me.

Sincerely,

Shawn Moffitt
Project Manager II
CH2M HILL

Cc: Dave Anderson/IDEQ
Jon Caton/Public Works Director

NPDES 24hr Non-Compliance Report - Call Summary

Call Received By	Date of Call	Time of Call	NonComp Date	Sector
Derek Schruhl	12/5/2014	9:46 AM	12/5/2015	CSO/SSO, Muni

Print Current Form

Mail Today's Report

Open Query

Caller Name	Jason Brown	Caller Phone #	208-735-7272
Facility Name	City of Twin Falls		
Permit ID	ID0021270	NonCompliance Type	CSO/SSO

Violation Description

Calling about a loss of containment, SSO, occurred on Dec 2 at approx. 7:52. One of our industries, ConAgra Foods, had some foam discharge that appeared in our sewer system and the foam overcame our system. We've been in contact with the local DEQ office. They asked us to call in and report this.

Comments

Form ID	768	Entry Qtr	2015 Q1	Entry Date	1/6/2015

NPDES 24hr Non-Compliance Report - Call Summary

Call Received By	Date of Call	Time of Call	NonComp Date	Sector
Derek Schruhl	12/3/2014	2:17 PM	12/3/2014	CSO/SSO, Muni

Print Current Form

Mail Today's Report

Open Query

Caller Name	John Caton	Caller Phone #	208-735-2274
Facility Name	Twin Falls WWTP		
Permit ID	ID0021270	NonCompliance Type	CSO/SSO

Violation Description

Loss of sewer containment for City of Twin Falls. We discovered the violation today, Dec. 3 at approx. 1:30, the sewer line was plugged. We unplugged the sewer line. Unfortunately the manhole overflowing was adjacent to Rock Creek and an unknown amount of sewage did get into the Creek. We reported this to our local DEQ office.

Comments

Form ID	767	Entry Qtr	2015 Q1	Entry Date	1/6/2015

CITY OF TWIN FALLS
PEOPLE SERVING PEOPLE

RECEIVED
JAN - 5 2015
U.S. EPA REGION 10
Office of Compliance and Enforcement

P.O. Box 1907 321 Second Avenue East Twin Falls, Idaho 83303-1907 Fax: (208) 736-2296

ENGINEERING *208-735-7270*

Date: December 23, 2014

Director, Office of Compliance and Enforcement
US EPA Region 10
Attn: ICIS Data Entry Team, OCE-133
1200 Sixth Avenue, Suite 900
Seattle, WA 98101-3140

Re: NPDES Permit #ID-002127-0; Loss of sewer containment-sewer service

Pursuant to Section III.G.2 of the City of Twin Falls (City) National Pollutant Discharge Elimination System (NPDES) Permit #ID-002127. The City is required to provide within five days a written report of the event.

On December 23, 2014 at approximately 2:30 p.m. City of Twin Falls employees discovered a leaking sewer service line that serves Glytek Inc. located at 702 Bridge Street, Twin Falls, Idaho. The leaking service line is in Rock Creek Canyon and connects into the sewer trunkline at the bottom of the canyon adjacent to Rock Creek. The service line is an 8 inch steel line, partially above grade and was separated at a joint. It is unknown how long it has been leaking. The line service line serves two buildings and the flow appears to be minimal. At the time the failure was discovered, sewage was flowing at approximately 5-15 gallons per minute. The leakage pooled near the sewer main and adjacent to a paved walking trail. It appears that periodically, the wastewater crossed the trail toward Rock Creek but it is unknown if it actually reached the creek.

The owner of Glytek was onsite and was instructed that the private service line needed to repaired immediately. A City Employee remained on site to observe the repair and to apply lime directly to the spilled wastewater. The leak was repaired at approximately 4:00 p.m.

If you have any further questions or concerns please contact me at (208) 736-2274 or jcaton@tfid.org.

Sincerely,

Jason Brown
Environmental Engineer

Encl: Overflow Location Map

Cc: Dave Anderson/IDEQ
Jackie Fields, P.E., City Engineer
Jon Caton, Public Works Director

NPDES 24hr Non-Compliance Report - Call Summary

Call Received By	Date of Call	Time of Call	NonComp Date	Sector
Derek Schruhl	12/23/2014	3:22 PM	12/23/2014	CSO/SSO, Muni

Print Current Form

Mail Today's Report

Open Query

Caller Name	John Caton	Caller Phone #	208-736-2275
Facility Name	City of Twin Falls WWTP		
Permit ID	ID0021270	NonCompliance Type	CSO/SSO

Violation Description

I'm reporting a loss of sewer containment from a sewer service line in Twin Falls. My email is jcaton@tfid.org

Comments

Form ID	775	Entry Qtr	2015 Q1	Entry Date	1/6/2015

NPDES 24hr Non-Compliance Report - Call Summary

Call Received By	Date of Call	Time of Call	NonComp Date	Sector
Derek Schruhl	12/15/2014	2:43 PM	12/15/2014	Muni

Print Current Form

Mail Today's Report

Open Query

Caller Name	Shawn Moffat	Caller Phone #	208-734-9933
Facility Name	Twin Falls WWTP		
Permit ID	ID0021270	NonCompliance Type	Effluent Limit Violation

Violation Description

We experienced an exceedance of our E. coli. Our permit limit is 406. On the 14th of Dec, the result we got back on E. coli was a 456.4. We also had at this time exceedance of our weekly TSS concentration limits for the week of the 7th - 13th of Dec. Our results so far are 75.4 mg/L and also an exceedance for the pound average which was 4158.

Comments

Form ID	772	Entry Qtr	2015 Q1	Entry Date	1/6/2015

CITY OF TWIN FALLS
PEOPLE SERVING PEOPLE

DEC 15 2014
U.S. EPA REGION 10
OFFICE OF COMPLIANCE AND ENFORCEMENT

P.O. Box 1907 321 Second Avenue East Twin Falls, Idaho 83303-1907 Fax: (208) 736-2296

ENGINEERING *208-735-7270*

Date: December 8, 2014

Director, Office of Compliance and Enforcement
US EPA Region 10
Attn: ICIS Data Entry Team, OCE-133
1200 Sixth Avenue, Suite 900
Seattle, WA 98101-3140

Re: NPDES Permit #ID-002127-0; Loss of sewer containment-collection system

Pursuant to Section III.G.2 of the City of Twin Falls (City) National Pollutant Discharge Elimination System (NPDES) Permit #ID-002127. The City is required to provide within five days a written report of the event.

On December 2, 2014 at approximately 7:50 a.m City of Twin Falls was notified by Con Agra Foods Lamb Weston (Con Agra) that a foaming event was occurring and foam was coming out of the sewer manholes located both on Con Agra's property and also two of the City's manholes. City staff responded to the event and once on site contacted the local Idaho Department of Environmental Quality (DEQ) office. As conversations progressed with DEQ it was determined that the event should be reported as an overflow situation. On December 5, 2014 at approximately 10:30 a.m. the City called the 24 hour compliance hotline to report the event.

The City has been informed by Con Agra that this event occurred at the discharge point into the City's sewer system due impart to an outdated antifoam system. The foaming event continued until 8:40 AM once the anti-foam system was put back online. Con Agra has ensured the City that steps are being taken to improve the anti-foam system, which includes relocating the antifoam dosing system to help improve reliability and accessibility. Con Agra talked to its wastewater operators to make sure they take the proper actions when such events occur.

The City continues to work with Con Agra to prevent these events in the future.

If you have any further questions or concerns please contact me at (208) 735-7272 or jbrown@tfid.org.

Sincerely,

Jason Brown.
Environmental Engineer

RECEIVED
DEC 15 2014
OFFICE OF COMPLIANCE AND ENFORCEMENT

Cc: Dave Anderson/IDEQ
Jackie Fields, P.E., City Engineer
Jon Caton, Public Works Director
Lindsay Lefevor, Pretreatment Coordinator

CITY OF TWIN FALLS
PEOPLE SERVING PEOPLE

P.O. Box 1907 321 Second Avenue East Twin Falls, Idaho 83303-1907 Fax: (208) 736-2296

ENGINEERING *208-735-7270*

RECEIVED
DEC - 8 2014

Date: December 4, 2014

Director, Office of Compliance and Enforcement
US EPA Region 10
Attn: ICIS Data Entry Team, OCE-133
1200 Sixth Avenue, Suite 900
Seattle, WA 98101-3140

Re: NPDES Permit #ID-002127-0; Loss of sewer containment-collection system

Pursuant to Section III.G.2 of the City of Twin Falls (City) National Pollutant Discharge Elimination System (NPDES) Permit #ID-002127. The City is required to provide within five days a written report of the event.

On December 3, 2014 at approximately 1:30 p.m. City of Twin Falls Employees discovered that sewage was overflowing a manhole near Diamond Ave., Twin Falls, Idaho and into the nearby stream, Rock Creek. The incident was reported that same afternoon to our local DEQ office and also called in to the EPA hotline. The location of the sewer is difficult to access because it is at the bottom of a canyon, adjacent to a creek and has an unpaved access. The flow of this sewer basin consists primarily of residential and one school; it does not have industrial flow. It is impossible to determine the duration of the failure because this sewer is in a remote location and did not backup users. However, this line is on a semi-annual routine jet cleaning and this is the first time we have had an overflow in this location.

Upon inspection, we discovered that the sewer syphon line crossing under Rock Creek had plugged due to cooking oil and disposable towels. This plug caused the manhole immediately adjacent to Rock Creek and another manhole upstream to overflow. Only one of these overflows reached Rock Creek.

Our operators cleared the plug by jetting the line. Once the overflow was stopped, lime was used to disinfect the area of the overflow. Care was taken to not get lime too close to

Rock Creek. Water samples of Rock Creek were taken upstream and downstream of the sewer discharge. Once we have results, I will forward them to this office.

In order to prevent future plugs, we intend to increase the jet cleaning frequency of this line and also to provide a public service announcement to remind the public how to properly handle grease and disposable towels. In the long term, we are proposing to upgrade this syphon to a double barrel which would provide for additional redundancy.

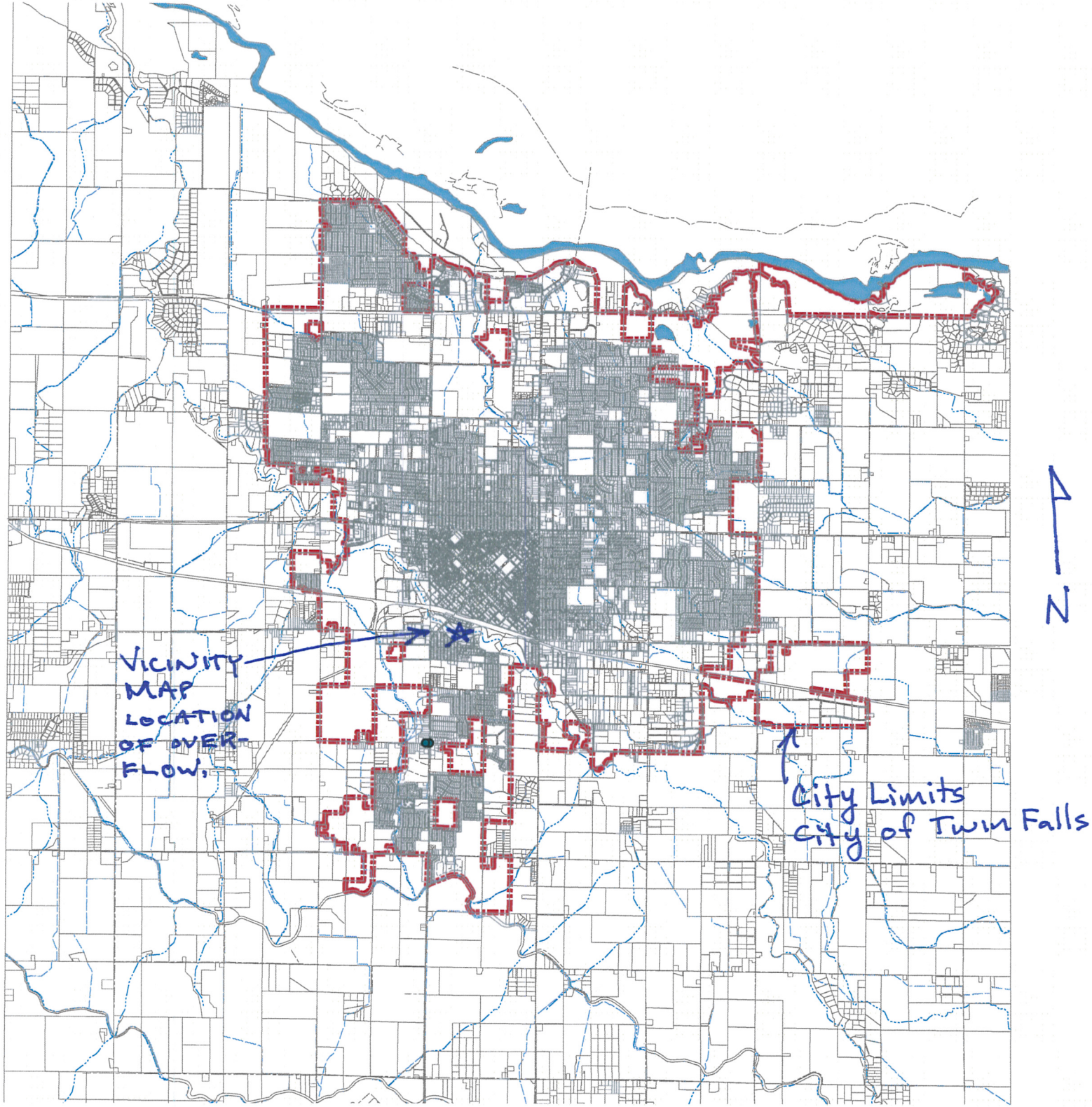
If you have any further questions or concerns please contact me at (208) 736-2274 or jcaton@tfid.org.

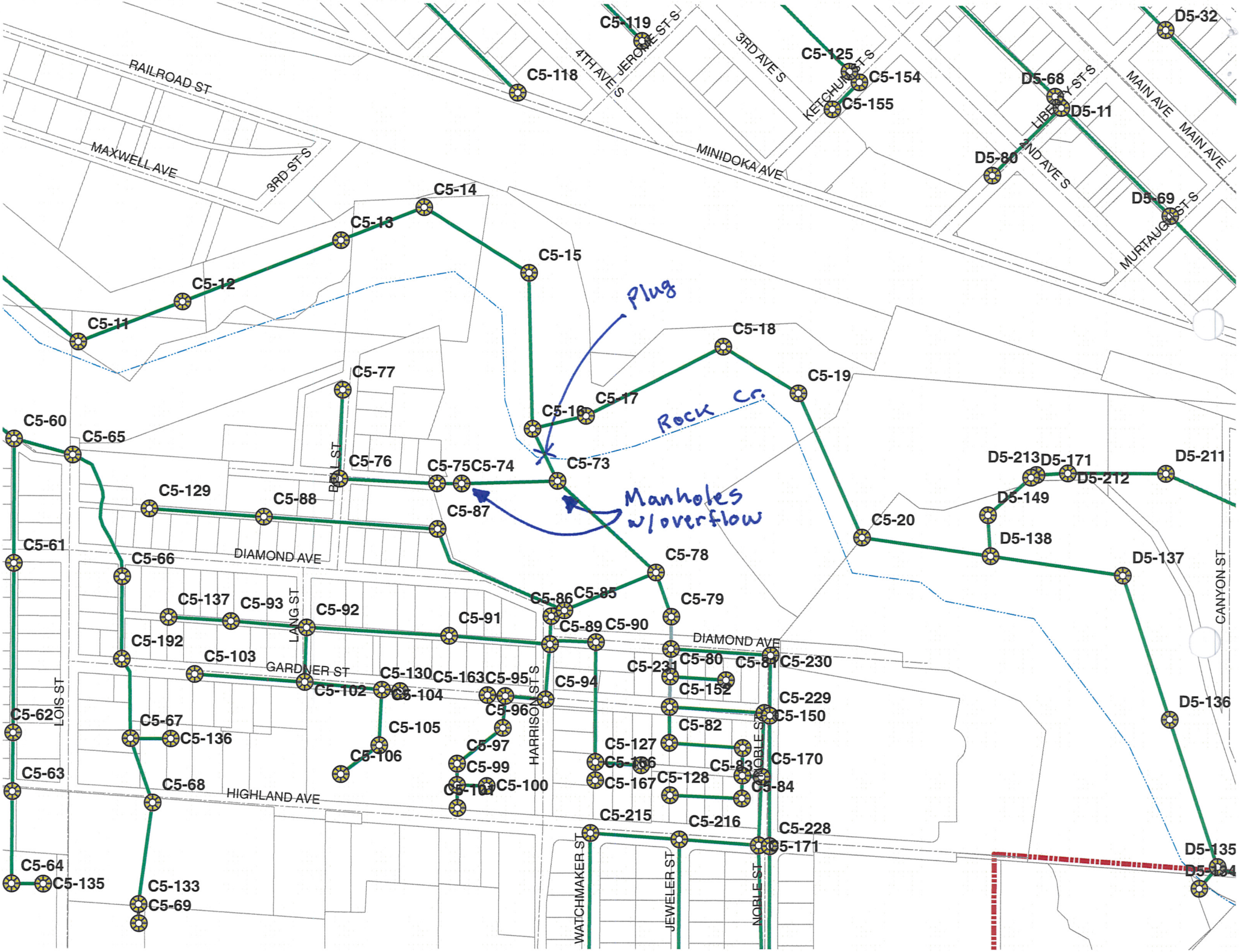
Sincerely,

Jon Caton, P.E.
Public Works Director

Encl: Vicinity Map
Overflow Location Map

Cc: Dave Anderson/IDEQ
Jackie Fields, P.E., City Engineer
Jason Brown, Environmental Engineer


VICINITY MAP LOCATION OF OVER-FLOW.
City Limits City of Twin Falls
N



RAILROAD ST
MAXWELL AVE
3RD ST S
4TH AVE S
JEROME ST S
3RD AVE S
KETCHUM ST S
MINIDOKA AVE
LIBERTY ST S
2ND AVE S
MAIN AVE
MURTAUGH ST S
C5-119
C5-118
C5-125
C5-154
C5-155
D5-32
D5-68
D5-11
D5-80
D5-69
C5-14
C5-13
C5-15
C5-12
C5-11
Plug
C5-18
C5-19
C5-77
C5-17
C5-16
Rock Cr.
C5-60
C5-65
C5-76
C5-75
C5-74
C5-73
BEAL ST
C5-129
C5-88
C5-87
Manholes w/overflow
D5-213
D5-171
D5-212
D5-211
D5-149
C5-20
D5-138
D5-137
C5-61
C5-66
DIAMOND AVE
C5-78
C5-86
C5-85
C5-79
C5-137
C5-93
C5-92
LANG ST
C5-91
C5-89
C5-90
DIAMOND AVE
CANYON ST
C5-192
C5-103
GARDNER ST
C5-130
C5-163
C5-95
C5-94
C5-231
C5-80
C5-81
C5-230
C5-102
C5-104
C5-152
C5-229
C5-150
D5-136
C5-62
LOIS ST
C5-67
C5-136
C5-105
C5-96
HARRISON ST S
C5-82
C5-127
C5-97
C5-106
C5-99
C5-166
C5-83
C5-170
C5-63
C5-68
C5-101
C5-100
C5-167
C5-128
C5-84
HIGHLAND AVE
C5-215
C5-216
C5-228
C5-171
D5-135
D5-134
C5-64
C5-135
C5-133
C5-69
WATCHMAKER ST
JEWELER ST
NOBLE ST

CH2M HILL
P.O. Box 5158
Twin Falls, ID 83303-5158
Tel 208.734.9933
Fax 208.734.9937

CH2MHILL

NOV 18 2014

November 12, 2014

Director, Office of Compliance and Enforcement
US EPA REGION 10
ATTN: ICIS Data Entry Team, OCE-133
1200 Sixth Avenue, Suite 900

Re: NPDES Permit # ID-002127-0

The Twin Falls, Idaho wastewater treatment facility experienced an instantaneous maximum limit excursion for E. coli on November 9, 2014. Analytical results for the E. coli sample taken on November 9, 2014 were 461.8/100 ml of sample. The NPDES permit limit for instantaneous maximum E. coli is 406/100 ml of sample.

Checking and adjusting of the UV wiper system and draining and cleaning of the UV channels is a standard operational procedure. This procedure had been completed on November 4, 2014. Upon notification of the analytical result of the E. coli sample, the system was checked. The system was functioning properly. One Bank of the UV system was placed into manual operation at 100% power in each of the three UV channels. All other Banks were left in automatic operation. An E.coli sample was grabbed and an analysis performed. Analytical results of this November 10, 2014 sample was 1/100 ml.

Effluent quality is within design limits of the current UV system.

The UV system is being maintained in the above described mode of operation. Cause of the instantaneous maximum excursion is still being investigated.

Sincerely,

Jack Bennion
Assistant Project Manager
CH2M HILL

Cc: Dave Anderson/IDEQ
Jon Caton/Public Works Director

NPDES 24hr Non-Compliance Report - Call Summary

Call Received By	Date of Call	Time of Call	NonComp Date	Sector
Derek Schruhl	11/10/2014	1:12 PM	11/10/2014	Muni

Print Current Form

Mail Today's Report

Open Query

Caller Name	Claudia Spaulding	Caller Phone #	208-734-9934
Facility Name	Twin Falls WWTP		
Permit ID	ID0021270	NonCompliance Type	Effluent Limit Violation

Violation Description

Regarding non-compliance for inst. Max. E. coli. We have a result of 461.8, limit 406.

Comments

Form ID	750	Entry Qtr	2014 Q4	Entry Date	11/21/2014

CH2M HILL
P.O. Box 5158
Twin Falls, ID 83303-5158
Tel 208.734.9933
Fax 208.734.9937

CH2MHILL

August 11, 2014

RECEIVED
AUG 12 2014

Director, Office of Compliance and Enforcement
US EPA Region 10
Attn: ICIS Data Entry team, OCE-133
1200 Sixth Avenue, Suite 900
Seattle, Washington 98101-3140

Re: NPDES Permit # ID-002127-0

On August 6, 2014, the Twin Falls Wastewater Treatment Plant experienced a weather related loss of containment. Non-disinfected wastewater overflowed from a manhole near the ultraviolet light disinfection system. The loss of containment was observed at 8:45 AM on August 6, 2014 and stopped by 10:48 AM on August 7, 2014. Wastewater also overflowed from the headworks building on August 6th. This overflow was first observed at 8:30 AM and was stopped by 9:00 AM.

The cause of the loss of containment was due to excessive wastewater flow into the wastewater plant. Twin Falls experienced a storm event with rainfall reaching 2.74 inches in 24 hours. The National Weather Service classified the storm as a 100 year storm event.

Due to a mudslide on the access road to the wastewater facility, wastewater staff were not able to gain access to the facility until 8:30 AM on August 6th. Prior to staff arrival, debris had overwhelmed the two headworks Rotomat screens and was overflowing the influent channels. This overflow was retained on site. At the same time, high flow to the ultraviolet light disinfection system (UV) lifted the lid to a concrete vault on the influent line to the UV causing non-disinfected water to flow into the old chlorine contact chamber and eventually to the river. This flow continued until 11:50 AM on August 7th when flows dropped low enough to repair the concrete vault. An Ecoli grab on the overflow resulted in a greater than 2,419.6 count and the effluent result after disinfection was the same. A sample taken at 1:04 AM on August 7th had an Ecoli count of 88.2. Another sample at 2:29 AM on August 7th was 46.4.

We are trying to estimate the amount of flow and the amount of overflow at this time. Water levels reached the influent ultrasonic transducer numerous times, causing a loss of echo. Water levels even submerged the transducer at one point. Because of this interference, the influent flow graph never shows a flow above 19.4 MGD. We have pictures of the influent parshall flume level being higher than the staff guage reading of 2.5 ft. At 2.5 ft., the influent flow would be 21.4 MGD.

If you have any further questions, please contact me.

Sincerely,

Shawn Moffitt
Project Manager II
CH2M HILL

Cc: Dave Anderson/IDEQ
Jon Caton/Public Works Director

RECEIVED
AUG 1 2 2014
U.S. EPA REGION 10
OFFICE OF COMPLIANCE AND ENFORCEMENT