



1002 MEDICAL DRIVE  
 P.O. BOX 588  
 MAYFIELD, KY 42066

270-247-7171  
 FAX: 270-251-6110

**LETTER  
 OF  
 TRANSMITTAL**

**ATTENTION**

**Mr. Jeff DeRouen  
 Kentucky Public Service Commission  
 P.O. Box 165  
 211 Sower Blvd.  
 Frankfort, KY 40602-0615**

DATE: **August 25, 2010**

**RECEIVED**

**AUG 27 2010**

**PUBLIC SERVICE  
 COMMISSION**

**SUBJECT**

**South 641 Water District  
 Sanitary Sewer Rehab  
 Case No. 2010-00240**

WE ARE TRANSMITTING  
 HEREWITH  UNDER SEPARATE COVER  
 THESE ARE TRANSMITTED  
 AS REQUESTED  FOR YOUR USE  
 FOR REVIEW AND COMMENT

**COPIES**

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**DESCRIPTION**

**Enclosed please find:  
 Cover letter stating Water District approved Bid for Sewer Rehab  
 Minutes of Special Called Meeting  
 Engineer Recommendation letter, Bid Tabulation, Notice of Award  
 Notice of Violations, Feb. 1 2006, July 27 2007, Aug. 29 2008  
 Cost Breakdown with Breakdown of Grant Funds Drawn to Date**

**REMARKS**

**COPIES TO**

**BY**

*Kim DeRenard*

IF ENCLOSURES ARE NOT AS  
 NOTED, PLEASE INFORM US  
 IMMEDIATELY

**Kim DeRenard  
 Project Development Specialist**

**South 641 Water District**

P.O. Box 126  
Hazel, KY 42049  
(270) 492-8857

August 17, 2010

Jeff DeRouen  
Executive Director  
Kentucky Public Service Commission  
P.O. Box 165  
211 Sower Blvd.  
Frankfort, KY 40602-0615

RE: South 641 Water District – Case No. 2010-00240  
Application for a CPCN for a Sanitary Sewer Rehabilitation Project

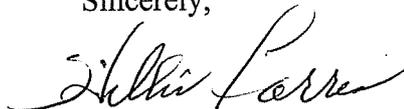
Dear Mr. DeRouen:

Enclosed please find the bid tabulation, engineer recommendation letter, notice of violations, and cost breakdown for the South 641 Water District Sanitary Sewer Rehabilitation project. The low bidder is Insituform Technologies, Inc. with a bid amount of \$212,674.60.

The low bid received is within the project budget. On August 17, 2010, at a meeting of the South 641 Water District Board, the low bidder Insituform Technologies, Inc. was approved in the amount of \$212,674.60. This project will include cured in place pipe repairs, manhole rehabilitation, point repairs, TV inspection and cleaning of sewer lines.

Thank you for your assistance with this project. If you have questions or need additional information, please feel free to contact the wastewater operator, Hank Stanfield, at the Water District at (270) 492-8857 or the project administrator, Kim DeRenard at the Purchase Area Development District (270) 251-6188.

Sincerely,



Hillis Farris  
Chairman

**South 641 Water District  
Board of Commissioners Meeting  
Minutes for Special Called Meeting: August 17, 2010**

The special called meeting of the South 641 Water District was called to order by Chairman Hillis Farris. Present were Hillis Farris, Barry Ward and Nancy Mieure, which constituted all of the duly appointed and qualified commissioners. Also present were Water District employees: Erin Parks, Carolyn Ray and Hank Stanfield; Kim DeRenard with the Purchase Area Development District (PADD) and Mike Jones with Florence & Hutcheson.

Sewer Rehab Project

Mike Jones with Florence & Hutcheson presented a letter recommending Insituform Technologies, Inc. be awarded the contract for the Sanitary Sewer Rehabilitation Project. It was reported that the bids were received and opened on August 10<sup>th</sup>.

**Nancy Mieure made a motion to accept the bid of \$212,674.60 from Insituform Technologies, Inc. and to approve the bid contract for the Sanitary Sewer Rehabilitation Project as presented. Barry Ward seconded the motion. The motion carried.**

Fee Adjustment for Florence & Hutcheson

**Nancy Mieure made a motion to approve the amendment to the Florence & Hutcheson engineering agreement for Fee Adjustment #1 in the amount of \$8043. Hillis Farris seconded the motion. The motion carried.**

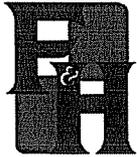
With no further business, the meeting was adjourned.

SOUTH 641 WATER DISTRICT

By: \_\_\_\_\_  
Hillis Farris, Chairman

Attested: \_\_\_\_\_  
Nancy Mieure, Secretary/Treasurer

minutes will be approved  
at next Water District  
Board meeting in October



# Florence & Hutcheson

CONSULTING ENGINEERS

August 16, 2010

Mr. Hillis Farris  
South 641 Water District  
P.O. Box 126  
Hazel, Kentucky 42049

**RE:** Sanitary Sewer Rehabilitation  
South 641 Water District  
Hazel, Kentucky

**RECEIVED**

AUG 27 2010

PUBLIC SERVICE  
COMMISSION

Dear Mr. Farris:

On August 10, 2010, unit price bids were accepted and opened for the referenced contract. Two (2) competitive bids were received. The low bid was submitted by Insituform Technologies, Inc. in the amount of \$212,674.60. Bids were as follows:

- Insituform Technologies, Inc.                      \$212,674.60
- Triton Services, Inc.                                      \$297,000.00

Florence & Hutcheson, Inc. has had successful experiences working with Insituform Technologies and we hereby recommend they be awarded the contract. If you and your board concur with our recommendation, please sign the attached Notice of Award and Owner/Contractor Agreement in the designated areas and we will forward to the contractor for execution.

Florence & Hutcheson, Inc. will be working with Insituform Technologies in order to submit packages to the EPA and PSC for review. If you have any questions, or wish to discuss further, please call.

Sincerely,

**FLORENCE & HUTCHESON, INC.**

Michael K. Jones, P.E.  
Project Engineer

07207

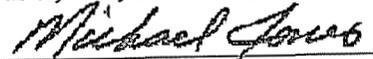
Cc: Kim DeRenard - PADD

**SANITARY SEWER REHABILITATION**  
for  
**SOUTH 641 WATER DISTRICT**  
**BID TABULATION - AUGUST 10, 2010**

ITEM	DESCRIPTION	UNITS	QTY.	Insituform Technologies, Inc.		Triton Services, Inc.	
				UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
1	Cured-in-Place Pipe for 8" Gravity Sewers	LF	5,150	\$ 24.85	\$ 127,977.50	\$ 29.50	\$ 151,925.00
2	Cured-in-Place Point Repair	EA	1	\$ 1,800.00	\$ 1,800.00	\$ 2,775.00	\$ 2,775.00
3	Manhole Cleaning	EA	21	\$ 130.00	\$ 2,730.00	\$ 385.00	\$ 8,085.00
4	Manhole Inflow Cover	EA	5	\$ 85.00	\$ 425.00	\$ 55.00	\$ 275.00
5	Manhole Lining	VF	134	\$ 148.00	\$ 19,832.00	\$ 153.00	\$ 20,502.00
6	Repair Manhole Bench	EA	1	\$ 300.00	\$ 300.00	\$ 545.00	\$ 545.00
7	Replace Manhole Casting	EA	5	\$ 575.00	\$ 2,875.00	\$ 820.00	\$ 4,100.00
8	Riase Manhole - 6"	EA	2	\$ 400.00	\$ 800.00	\$ 665.00	\$ 1,330.00
9	Point Repair	EA	6	\$ 2,500.00	\$ 15,000.00	\$ 6,410.00	\$ 38,460.00
10	Point Repair with Service Connection	EA	1	\$ 2,600.00	\$ 2,600.00	\$ 7,260.00	\$ 7,260.00
11	Top Hat - Lateral reconnections (Extend 3ft min. into Lateral)	EA	7	\$ 2,100.00	\$ 14,700.00	\$ 2,500.00	\$ 17,500.00
12	Television Inspection & Cleaning - 8" Main-Light Cleaning	LF	3,950	\$ 2.50	\$ 9,875.00	\$ 2.25	\$ 8,887.50
13	Television Inspection & Cleaning - 8" Main- Heavy Cleaning	LF	2,520	\$ 2.50	\$ 6,300.00	\$ 3.25	\$ 8,190.00
14	Remove Intruding tap	EA	10	\$ 0.01	\$ 0.10	\$ 200.00	\$ 2,000.00
15	Select Fill	TONS	440	\$ 5.00	\$ 2,200.00	\$ 29.00	\$ 12,760.00
16	Flowable Fill	CY	15	\$ 130.00	\$ 1,950.00	\$ 96.00	\$ 1,440.00
17	Class AA Concrete - 4000 psi (8")	SY	75	\$ 24.00	\$ 1,800.00	\$ 108.00	\$ 8,100.00
18	Cleanup and Seeding	LS	1	\$ 1,500.00	\$ 1,500.00	\$ 1,200.00	\$ 1,200.00
19	Traffic Control	LS	1	\$ 10.00	\$ 10.00	\$ 1,665.50	\$ 1,665.50
<b>TOTAL PRICE BID</b>					<b>\$ 212,674.60</b>		<b>\$ 297,000.00</b>

I hereby certify that the foregoing figures are as submitted this 10th day of August 2010.

Calculation Error

  
Michael K. Jones, PE- KY PE No. 23657

**SECTION 00610**

**NOTICE OF AWARD**

To: Insituform Technologies, Inc.  
17988 Edison Avenue  
Chesterfield, MO 63005

PROJECT DESCRIPTION: Sanitary Sewer Rehabilitation

The Owner has considered the BID submitted by you for the above-described WORK in response to its Advertisement for Bids dated July 10, 2010.

You are hereby notified that your BID has been accepted in the amount of \$212,674.60.

You are required by the Information for Bidders to execute the Agreement and furnish the required Contractor's Performance Bond and Payment Bond within ten (10) calendar days from the date of Notice of approval to you.

If you fail to execute said Agreement and to furnish said bonds within ten (10) days from the date of said Notice, said OWNER will be entitled to consider all your rights arising out of the OWNER's acceptance of your BID as abandoned and as a forfeiture of your Bid Bond. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this 17 day of Aug, 2010.

SOUTH 641 WATER DISTRICT

By *Stella Farris*

Title *Chairman South 641 Water Dist.*



ERNIE FLETCHER  
GOVERNOR

**ENVIRONMENTAL AND PUBLIC PROTECTION CABINET**

LAJUANA S. WILCHER  
SECRETARY

DEPARTMENT FOR ENVIRONMENTAL PROTECTION

Division of Water  
130 Eagle Nest Drive  
Paducah, KY 420039435

[www.kentucky.gov](http://www.kentucky.gov)

February 1, 2006

Certified No. 7004 2510 0003 9905 8591

Return Receipt Requested

Mr. Hank Stanfield  
PO Box 2

Hazel, KY 42049

Re: ~~Notice of Violation~~  
AI ID: 519  
AI Name: S 641 Water District WWTP  
Activity ID: ENV20060001  
Permit No. KY0028371  
Calloway County, KY

Dear Mr. Hank Stanfield:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact me at 270-898-8468.

Sincerely,

A handwritten signature in cursive script that reads "Shannon M. Bryant".

Ms. Shannon M. Bryant,  
Environmental Inspector III  
Division of Water

Enclosure

*Kentucky*

COMMONWEALTH OF KENTUCKY  
ENVIRONMENTAL AND PUBLIC PROTECTION CABINET  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION  
Division of Water

NOTICE OF VIOLATION

To: Mr. Hank Stanfield  
PO Box 2

Hazel, KY 42049

AI Name: S 641 Water District WWTP      AI ID: 519      Activity ID: ENV20060001  
County: Calloway  
Enforcement Case ID:  
Date(s) Violation(s) Observed: 01/23/2006

This is to advise that you are in violation of the provisions cited below:

- 1 ~~Violation Description for Subject Item~~ **Subject Item GINS0000000001(KPDIES Individual):**  
Tablet type chlorination equipment shall not be used in intermediate or large WWTP's. [401 KAR 5:005 Section 11(2)]

~~Violation of Non-Compliance:~~

Facility uses tablet chlorination. Facility size dictates that they must use disinfection process other than tablet.

**The required remedial measure(s), and date(s) to be completed by, are as follows:**

Install an approved form of disinfection. Due: May 1, 2006

- 2 **Violation Description for Subject Item GINS0000000001(KPDIES Individual):**  
Standard Permit Conditions: The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of KRS Chapter 224, among which are the following remedies: enforcement action, permit revocations, revocation and reissuance, or modification; or denial of a permit renewal application. [401 KAR 5:065 Section 1(1)(a)]

~~Description of Non-Compliance:~~

Facility is not in compliance with permit condition, which requires them to have an effluent flow meter.

**The required remedial measure(s), and date(s) to be completed by, are as follows:**

Install an effluent flow meter. Due: May 1, 2006

Submit to this office a written response to this Notice of Violation including dates when remedial measures will be met. Due: May 1, 2006.

---

Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

---

If you have questions or need further information, write or call the undersigned

Division of Water  
Paducah Regional Office  
130 Eagle Nest Drive  
Paducah, KY 42003-9435  
270-898-8468 (8:00 AM - 4:30 PM)  
Ms. Shannon M. Bryant, Environmental Inspector III

Issued By: Shannon M. Bryant

Ms. Shannon M. Bryant, Environmental Inspector III  
Date: February 1, 2006

Issued By: Gaye Brewer

Gaye E. Brewer, Environmental Control Supervisor  
Date: February 1, 2006

How Delivered: Certified Mail Certified/Registered # 7004 2510 0003 9905 8591



ERNIE FLETCHER  
GOVERNOR

ENVIRONMENTAL AND PUBLIC PROTECTION CABINET  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

TERESA J. HILL  
SECRETARY

Division of Water  
130 Eagle Nest Dr  
Paducah, KY 42003-9435  
www.kentucky.gov  
July 27, 2007

Certified No. 7007 0220 0000 9619 8326  
Return Receipt Requested

Mr. Hank Stanfield  
S 641 Water District WWTP  
PO Box 2  
Hazel, KY 42049

Re: Notice of Violation  
AI ID: 519  
AI Name: S 641 Water District WWTP  
Activity ID: ENV20070001  
Permit No. KY0028371  
Calloway County, KY

Dear Mr. Stanfield:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Failure to comply with all remedial measures could result in enforcement action and the assessment of penalties. Your cooperation and attention to this matter is appreciated. If you have any questions, please contact me at 270-898-8468.

Sincerely,

Mr. Rob Topolski,  
Environmental Inspector II  
Division of Water

Enclosure

COMMONWEALTH OF KENTUCKY  
ENVIRONMENTAL AND PUBLIC PROTECTION CABINET  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION  
Division of Water

NOTICE OF VIOLATION

To: S 641 Water District WWTP  
Langston St  
Hazel (Calloway), KY 42049

AI Name: S 641 Water District WWTP      AI ID: 519      Activity ID: ENV20070001  
County: Calloway  
Enforcement Case ID:  
Date(s) Violation(s) Observed: 07/19/2007

This is to advise that you are in violation of the provisions cited below:

**1 Violation Description for Subject Item GINS000000001(KPDES Individual):**

Standard Permit Conditions: The permittee is also advised that all KPDES permit conditions in KPDES Regulation 401 KAR 5:065, Section 1 will apply to all discharges authorized by this permit. This permit has been issued under the provisions of KRS Chapter 224 and regulations promulgated pursuant thereto. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits or licenses required by this Cabinet and other state, federal, and local agencies. It is the responsibility of the permittee to demonstrate compliance with permit parameter limitations by utilization of sufficiently sensitive analytical methods. [401 KAR 5:065 Section 1(1)(a)]

**Description of Non Compliance:**

There were fecal Coliform excursions reported on four of the last six DMRs in which discharge was reported.

**The required remedial measure(s), and date(s) to be completed by, are as follows:**

Ensure compliance with the KPDES Permit and the Agreed Order. Work to expedite construction of the liquid-feed disinfection system and the installation of an effluent flow meter as required by the KPDES permit.

Submit by 8/31/07 to the Paducah Regional Office, a timeline outlining the progress of installing an approved disinfection system and an effluent flow meter. Include any other pertinent information that may be restricting progress.

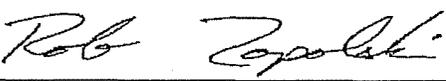
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Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

---

If you have questions or need further information, write or call the undersigned:

Division of Water  
Paducah Regional Office  
130 Eagle Nest Dr  
Paducah, KY 42003-9435  
270-898-8468 (8:00 AM – 4:30 PM)  
Mr. Rob Topolski, Environmental Inspector II

Issued By:   
Mr. Rob Topolski, Environmental Inspector II

Date: July 27, 2007

Issued By:   
Gaye Brewer, Environmental Control Supervisor  
Date: July 27, 2007

How Delivered: Certified # 7007 0220 0000 9619 8326

Environmental and Public Protection Cabinet  
Department for Environmental Protection  
Division of Water  
Wastewater Inspection Report

**AI ID:** 519      **AI Type:** SANI-Wastewater Treatment & Collection (2213)  
**AI Name:** S 641 Water District WWTP  
**AI Address:** Langston St  
**City:** Hazel (Calloway), **State:** Kentucky **Zip:** 42049  
**County:** Calloway **Regional Office:** Paducah Regional Office  
**Latitude:** 36.506222    **Longitude:** -88.316222  
**Site Contact:** Hank Stanfield  
**Title:** Operator      **Phone #:** 270-492-8857  
**Inspection Type:** WW CEI-Minor Mun **Activity #:** CIN20070001  
**Incident IDs:**  
**Inspection Start Date:** July 19, 2007 **Time:** 09:30 AM **End Date:** July 19, 2007 **Time:** 12:30 PM  
**Site/Permit ID:** KY0028371

**Lead DEP Investigator:** Rob Topolski  
**Other DEP Investigators:**  
**External Investigators:**  
**Persons Interviewed:** Hank Stanfield

**General Comments:** This inspection was conducted to observe compliance with KPDES permit # KY0028371. An inspection of the Drinking Water System was also conducted at this time. This facility has been under an agreed order with the Division of Enforcement since 1/16/03. Mr. Stanfield said that the South 641 Water District has been working with an engineer on the development of plans for liquid chlorination/dechlorination as well as an effluent flow-meter. He said that funding has become available through a grant and that they are hoping that the state has funds to match it. Mr. Stanfield said that after constructing the new disinfection system, contact tank modification, effluent flow-meter, and constructing a new main lift station, that money left over will go toward slip-lining in the collection system. An NOV was issued on 2/1/06 for using an unapproved form of disinfection (tablet chlorination), and for not using an effluent flow-meter. These issues continue to be areas of concern and violations have been documented. This facility has not reported discharge since April 2007. There were fecal Coliform excursions reported on four of the last six DMRs in which discharge was reported. There have also been TSS excursions reported. A thick covering of Duckweed was observed over a large portion of the lagoon.

**Overall Compliance Status:** Out of Compliance- NOV

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**Investigation Results**

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**SI:** AIOO519

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**SI:** GINS1

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**Requirement:** C/A (2) - Have all required permits been obtained from the Division of Water prior to the construction, modification, or operation of the facility? . [401 KAR 5:005 Section 1]

**Compliance Status:** No Violations observed

**Comment:**

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**Requirement:** C/A (8) - Did the facility notify the Division of Water by the most rapid means available whenever, by reason of emergency or accident, a spill or discharge occurs which results in pollution of the waters of the Commonwealth? . [401 KAR 5:015 Section 2]

**Compliance Status:** No Violations observed

**Comment:**

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**Requirement:** R/OC (1) - Is the facility being operated under the supervision of a properly certified operator?. [401

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KAR 5:010 Section 2(1)]

**Compliance Status:** No Violations observed

**Comment:**

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**Requirement:** C/RK (2) - Does the permittee retain records of all monitoring information including: the date, exact place, and time of sampling or measurements; the name of the individual who performed the sampling or measurements; the dates and times analyses were performed; the name of the individual who performed the analyses; the analytical techniques or methods used; the results of the analyses; all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation; copies of all reports required by this permit; and records of all data used to complete the application for this permit, for the period required by the cabinet and at a minimum of at least three (3) years from the date of the sample, measurement, report, or application? . [401 KAR 5:065 Section 1(10)(b)]

**Compliance Status:** No Violations observed

**Comment:**

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**Requirement:** C/RR (1) - Is the permittee reporting monitoring results to the cabinet at the intervals specified in the permit? . [401 KAR 5:065 Section 1(12)(d)]

**Compliance Status:** No Violations observed

**Comment:**

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**Requirement:** C/RR (2) - Are the monitoring results reported to the cabinet on a Discharge Monitoring Report (DMR)? . [401 KAR 5:065 Section 1(12)(d)1]

**Compliance Status:** No Violations observed

**Comment:**

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**Requirement:** C/RR (3) - If the permittee monitors any pollutant more frequently than required by the permit, using test procedures approved under 40 CFR Part 136 or as specified in the permit, are the results of this monitoring included in the calculation and reporting of the data submitted in the DMR? . [401 KAR 5:065 Section 1(12)(d)2]

**Compliance Status:** No Violations observed

**Comment:**

---

**Requirement:** C/RR (4) - Are the calculations for all limitations which require averaging of measurements utilizing an arithmetic mean unless otherwise specified by the Cabinet in the permit? . [401 KAR 5:065 Section 1(12)(d)3]

**Compliance Status:** No Violations observed

**Comment:**

---

**Requirement:** C/RR (7) - Is the permittee in compliance for the reporting of spills, bypasses, and non-compliance according KAR 401 5:065 Section 1(12)(f). [401 KAR 5:065 Section 1(12)(f)]

**Compliance Status:** No Violations observed

**Comment:**

---

**Requirement:** R/OM (1) - Is the facility being properly operated and maintained as specified in regulation 5:065?

This includes:

(a) proper operation and maintenance of all facilities, systems of treatment and control, and related appurtenances which are installed or used by the permittee to achieve compliance with permit conditions;

(b) proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures;

(c) this provision also 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 the permit. [401 KAR 5:065 Section 1(5)]

**Compliance Status:** No Violations observed

**Comment:**

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**Requirement:** R/OM (2) - Are the disinfection unit(s) maintained and operated properly to allow for compliance with permit conditions? . [401 KAR 5:005 Section 11(1)]

**Compliance Status:** Out of Compliance-Violations Documented

**Comment:** This facility still uses tablet chlorination. They are in the process of submitting engineering plans for approval of a new liquid feed chlorination and dechlorination system. A new building to house the chemicals and pumps etc. has already been constructed.

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**Requirement:** C/OM (3) - Does the flow measuring device measure all flow received at the WWTP? For large wastewater facilities (average daily design capacity >50, 000 gpd), is flow measured by an indicating, recording, and totalizing flow measuring device? . [401 KAR 5:005 Section 12]

**Compliance Status:** No Violations observed

**Comment:**

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**Requirement:** C/OM (7) - Is there a source of water provided for cleanup? If potable water is used, is a backflow preventor installed to protect the water supply?. [401 KAR 5:005 Section 10(6)]

**Compliance Status:** Not Evaluated

**Comment:**

**Requirement:** C/OM (8) - Has fencing and/or other adequate protection been installed around the wastewater treatment plant? . [401 KAR 5:005 Section 10(7)]

**Compliance Status:** No Violations observed

**Comment:**

**Requirement:** C/OM (9) - Has an all-weather access road been installed to allow access to the wastewater treatment plant? Is the road adequately maintained to allow access to the facility for operation and maintenance activity? . [401 KAR 5:005 Section 10(8)]

**Compliance Status:** No Violations observed

**Comment:**

**Requirement:** C/OM (16) - Sewage sludge. Did the facility meet the requirements governing the disposal of sewage sludge from publicly owned treatment works, in accordance with 40 CFR Part 503? . [401 KAR 5:065 Section 2(15)]

**Compliance Status:** Not Evaluated

**Comment:**

**Requirement:** C/OM (18) - Is the effluent in compliance with KPDES permit limitations? Do the Discharge Monitoring Reports indicate KPDES permit violations?. [401 KAR 5:065 Section 1(1)(a)]

**Compliance Status:** Out of Compliance-NOV

**Comment:** There were fecal coliform excursions reported on four of the last six DMRs in which discharge was reported.

**Requirement:** R/DE (1) - Is the effluent causing degradation of the waters of the Commonwealth 401 KAR 5:031 Section 2 (1) (a, b, c, & d). [401 KAR 5:031 Section 2]

**Compliance Status:** No Violations observed

**Comment:**

**Requirement:** C/MA (1) - Are samples collected at sites specified in the KPDES permit and are they representative samples? Are flow proportioned samples obtained when required by the KPDES permit? Are grab samples collected according to the KPDES permit requirements? Are composite samples collected and analyzed according to the KPDES permit conditions? Are samples collected according to KPDES permit requirements?. [401 KAR 5:065 Section 1(1)(a)]

**Compliance Status:** No Violations observed

**Comment:**

**Requirement:** C/MA (5) - Is sampling and analysis completed on all parameters specified in the KPDES permit? . [401 KAR 5:065 Section 1(1)(a)]

**Compliance Status:** Out of Compliance-Violations Documented

**Comment:** This facility still does not have an effluent flow-meter as required by the KPDES permit.

**Requirement:** C/MA (6) - Are the facility sample collection procedures adequate? Are the samples collected in proper containers, preserved, and refrigerated properly? Are all samples analyzed within the allowed holding times? . [401 KAR 5:065 Section 1(10)(d)]

**Compliance Status:** Not Evaluated

**Comment:**

**Requirement:** C/MA (10) - Are samples taken in compliance with the monitoring requirements and taken at the following location(s): nearest accessible point after final treatment, but prior to actual discharge or mixing with receiving waters? . [401 KAR 5:065 Section 1(1)(a)]

**Compliance Status:** No Violations observed

**Comment:**

#### Documentation

- Photos taken
- Documents obtained from facility
- Samples taken by outside source
- Request for Submission of Documents

- Record of visual determination of opacity
- Samples taken by DEP
- Regional office instrument readings taken
- Other documentation

**Inspector:**

*Rob Zepol*

Date: 7/30/07

Received By: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

Certified Mail Number: 7007 0220 0000 9619 8326



STEVEN L. BESHEAR  
GOVERNOR

LEONARD K. PETERS  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION**

Division of Water  
130 Eagle Nest Dr  
Paducah, KY 42003-9435  
[WWW.KENTUCKY.GOV](http://WWW.KENTUCKY.GOV)

August 29, 2008

Certified No. 7007 0710 0000 4226 2178  
Return Receipt Requested

S 641 Water District WWTP  
P.O. Box 126  
Hazel, KY 42049

Re: Notice of Violation  
AI ID: 519  
AI Name: S 641 Water District WWTP  
Activity ID: ENV20080001  
Permit No. KY0028371  
Calloway County, KY

Dear Mr. Stanfield:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Your cooperation and attention to this matter is appreciated. If you have any questions or would like information about participating in our e-notification program, please contact me at 270-898-8468.

Sincerely,

A handwritten signature in cursive script that reads "Rob Topolski".

Mr. Rob Topolski,  
Environmental Inspector II  
KY Division of Water

Enclosure

COMMONWEALTH OF KENTUCKY  
Energy and Environment Cabinet  
Department For Environmental Protection  
Division of Water  
NOTICE OF VIOLATION

To: S 641 Water District WWTP  
P.O. Box 126  
Hazel, KY 42049

AI Name: S 641 Water District WWTP AI ID: 519 Activity ID: ENV20080001 County: Calloway

Date(s) Violation(s) Observed: 08/21/2008

This is to advise that you are in violation of the provisions cited below:

**1 Violation Description for Subject Item GINS000000001(KPDES Individual):**

Standard Permit Conditions: The permittee is also advised that all KPDES permit conditions in KPDES Regulation 401 KAR 5:065, Section 1 will apply to all discharges authorized by this permit. This permit has been issued under the provisions of KRS Chapter 224 and regulations promulgated pursuant thereto. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits or licenses required by this Cabinet and other state, federal, and local agencies. It is the responsibility of the permittee to demonstrate compliance with permit parameter limitations by utilization of sufficiently sensitive analytical methods. [401 KAR 5:065 Section 1(1)(a)]

**Description of Non Compliance:**

DMR Violations: There were Fecal Coliform excursions reported on three of the last six DMRs. There have also been percent SS removal, percent BOD removal, and TSS excursions.

**The required remedial measure(s), and date(s) to be completed by, are as follows:**

Continue to work with contract engineers to upgrade the WWTP and collection system as required. Ensure compliance with the KPDES permit at all times. Continue to comply with requirements of the Agreed Order.

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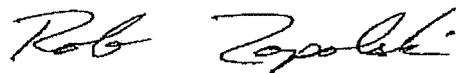
Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

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If you have questions or need further information, write or call the undersigned:

Division of Water  
Paducah Regional Office  
130 Eagle Nest Dr  
Paducah, KY 42003-9435  
270-898-8468 (8:00 AM – 4:30 PM)  
Mr. Rob Topolski, Environmental Inspector II

Issued By:



Mr. Rob Topolski, Environmental Inspector II

Date: August 29, 2008

Issued By:



Gaye Brewer, Environmental Control Supervisor

Date: August 29, 2008

How Delivered: Certified # 7007 0710 0000 4226 2178

Energy and Environment Cabinet  
Department for Environmental Protection  
Division of Water  
Wastewater Inspection Report

**AI ID:** 519      **AI Type:** SANI-Wastewater Treatment & Collection (2213)  
**AI Name:** S 641 Water District WWTP  
**AI Address:** Langston St    **City:** Hazel (Calloway), **State:** Kentucky **Zip:** 42049  
**County:** Calloway **Regional Office:** Paducah Regional Office  
**Latitude:** 36.506222    **Longitude:** -88.316222  
**Site Contact:** Hank Stanfield    **Title:** Operator    **Phone #:** 270-492-8857  
**Inspection Type:** WW CEI-Minor Mun    **Activity #:** CIN20080001  
**Inspection Start Date:** August 21, 2008 **Time:** 02:05 PM **End Date:** August 21, 2008 **Time:** 04:38 PM  
**Site/Permit ID:** KY0028371

**Lead DEP Investigator:** Rob Topolski

**Persons Interviewed:** Hank Stanfield

**General Comments:** This inspection was conducted to observe compliance with KPDES permit # KY0028371. An inspection of the Drinking Water System was also conducted at this time. This facility has been under an Agreed Order since 1/16/03. The South 641 Water District has been working with Florence & Hutchison Engineering on the development of plans for a new main pumpstation, a liquid chlorination/dechlorination system, an effluent flow-meter, a new in-stream flow meter, as well as collection system rehabilitation and maintenance. An NOV was issued on 2/1/06 for using an unapproved form of disinfection (tablet chlorination), and for not using an effluent flow-meter. These issues continue to be areas of concern and violations have been documented. There were Fecal Coliform excursions reported on three of the last six DMRs. There have also been percent SS, percent BOD, and TSS excursions. A thick covering of Duckweed was observed over a large portion of the lagoon. The in-stream flow gauge has been bypassed by a significant volume of the stream flow.

**Overall Compliance Status:** Out of Compliance- NOV

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**Investigation Results**

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**SI:** AIOO519

**SI Description:**

**Inspector Comment:**

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**SI:** GINS1 KPDES Individual

**SI Description:**

**Inspector Comment:**

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**Requirement:** C/A (2) - Have all required permits been obtained from the Division of Water prior to the construction, modification, or operation of the facility? . [401 KAR 5:005 Section 1]

**Compliance Status:** No Violations observed

**Comment:**

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**Requirement:** C/A (8) - Did the facility notify the Division of Water by the most rapid means available whenever, by reason of emergency or accident, a spill or discharge occurs which results in pollution of the waters of the Commonwealth? . [401 KAR 5:015 Section 2]

**Compliance Status:** No Violations observed

**Comment:**

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**Requirement:** R/OC (1) - Is the facility being operated under the supervision of a properly certified operator?. [401 KAR 5:010 Section 2(1)]

**Compliance Status:** No Violations observed

**Comment:**

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**Requirement:** C/RK (2) - Does the permittee retain records of all monitoring information including: the date, exact place, and time of sampling or measurements; the name of the individual who performed the sampling or measurements; the dates and times analyses were performed; the name of the individual who performed the analyses;

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the analytical techniques or methods used; the results of the analyses; all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation; copies of all reports required by this permit; and records of all data used to complete the application for this permit, for the period required by the cabinet and at a minimum of at least three (3) years from the date of the sample, measurement, report, or application? . [401 KAR 5:065 Section 1(10)(b)]

**Compliance Status:** No Violations observed

**Comment:**

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**Requirement:** C/RR (1) - Is the permittee reporting monitoring results to the cabinet at the intervals specified in the permit? . [401 KAR 5:065 Section 1(12)(d)]

**Compliance Status:** No Violations observed

**Comment:**

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**Requirement:** C/RR (2) - Are the monitoring results reported to the cabinet on a Discharge Monitoring Report (DMR)? . [401 KAR 5:065 Section 1(12)(d)1]

**Compliance Status:** No Violations observed

**Comment:**

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**Requirement:** C/RR (3) - If the permittee monitors any pollutant more frequently than required by the permit, using test procedures approved under 40 CFR Part 136 or as specified in the permit, are the results of this monitoring included in the calculation and reporting of the data submitted in the DMR? . [401 KAR 5:065 Section 1(12)(d)2]

**Compliance Status:** No Violations observed

**Comment:**

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**Requirement:** C/RR (4) - Are the calculations for all limitations which require averaging of measurements utilizing an arithmetic mean unless otherwise specified by the Cabinet in the permit? . [401 KAR 5:065 Section 1(12)(d)3]

**Compliance Status:** No Violations observed

**Comment:**

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**Requirement:** C/RR (7) - Is the permittee in compliance for the reporting of spills, bypasses, and non-compliance according KAR 401 5:065 Section 1(12)(f). [401 KAR 5:065 Section 1(12)(f)]

**Compliance Status:** No Violations observed

**Comment:**

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**Requirement:** R/OM (1) - Is the facility being properly operated and maintained as specified in regulation 5:065?

This includes:

- (a) proper operation and maintenance of all facilities, systems of treatment and control, and related appurtenances which are installed or used by the permittee to achieve compliance with permit conditions;
- (b) proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures;
- (c) this provision also 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 the permit. [401 KAR 5:065 Section 1(5)]

**Compliance Status:** No Violations observed

**Comment:**

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**Requirement:** R/OM (2) - Are the disinfection unit(s) maintained and operated properly to allow for compliance with permit conditions? . [401 KAR 5:005 Section 11(1)]

**Compliance Status:** Out of Compliance-Violations Documented

**Comment:** This facility still uses tablet chlorination and contact time had previously been estimated to be 27 minutes.

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**Requirement:** C/OM (3) - Does the flow measuring device measure all flow received at the WWTP? For large wastewater facilities (average daily design capacity >50, 000 gpd), is flow measured by an indicating, recording, and totalizing flow measuring device? . [401 KAR 5:005 Section 12]

**Compliance Status:** No Violations observed

**Comment:**

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**Requirement:** C/OM (7) - Is there a source of water provided for cleanup? If potable water is used, is a backflow preventor installed to protect the water supply?. [401 KAR 5:005 Section 10(6)]

**Compliance Status:** Not Evaluated

**Comment:**

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**Requirement:** C/OM (8) - Has fencing and/or other adequate protection been installed around the wastewater treatment plant? . [401 KAR 5:005 Section 10(7)]

**Compliance Status:** No Violations observed

**Comment:**

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**Requirement:** C/OM (9) - Has an all-weather access road been installed to allow access to the wastewater treatment plant? Is the road adequately maintained to allow access to the facility for operation and maintenance activity? . [401 KAR 5:005 Section 10(8)]

**Compliance Status:** No Violations observed

**Comment:**

**Requirement:** C/OM (16) - Sewage sludge. Did the facility meet the requirements governing the disposal of sewage sludge from publicly owned treatment works, in accordance with 40 CFR Part 503? . [401 KAR 5:065 Section 2(15)]

**Compliance Status:** Not Evaluated

**Comment:**

**Requirement:** C/OM (18) - Is the effluent in compliance with KPDES permit limitations? Do the Discharge Monitoring Reports indicate KPDES permit violations?. [401 KAR 5:065 Section 1(1)(a)]

**Compliance Status:** Out of Compliance-NOV

**Comment:** There were Fecal Coliform excursions reported on three of the last six DMRs. There have also been percent SS removal, percent BOD removal, and TSS excursions.

**Requirement:** R/DE (1) - Is the effluent causing degradation of the waters of the Commonwealth 401 KAR 5:031 Section 2 (1) (a, b, c, & d). [401 KAR 5:031 Section 2]

**Compliance Status:** No Violations observed

**Comment:**

**Requirement:** C/MA (1) - Are samples collected at sites specified in the KPDES permit and are they representative samples? Are flow proportioned samples obtained when required by the KPDES permit? Are grab samples collected according to the KPDES permit requirements? Are composite samples collected and analyzed according to the KPDES permit conditions? Are samples collected according to KPDES permit requirements?. [401 KAR 5:065 Section 1(1)(a)]

**Compliance Status:** No Violations observed

**Comment:**

**Requirement:** C/MA (5) - Is sampling and analysis completed on all parameters specified in the KPDES permit? . [401 KAR 5:065 Section 1(1)(a)]

**Compliance Status:** Out of Compliance-Violations Documented

**Comment:** This facility still does not have an effluent flow-meter as required by the KPDES permit.

**Requirement:** C/MA (6) - Are the facility sample collection procedures adequate? Are the samples collected in proper containers, preserved, and refrigerated properly? Are all samples analyzed within the allowed holding times? . [401 KAR 5:065 Section 1(10)(d)]

**Compliance Status:** Not Evaluated

**Comment:**

**Requirement:** C/MA (10) - Are samples taken in compliance with the monitoring requirements and taken at the following location(s): nearest accessible point after final treatment, but prior to actual discharge or mixing with receiving waters? . [401 KAR 5:065 Section 1(1)(a)]

**Compliance Status:** No Violations observed

**Comment:**

**Documentation**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Photos taken             | <input type="checkbox"/> Record of visual determination of opacity |
| <input type="checkbox"/> Documents obtained from facility    | <input type="checkbox"/> Samples taken by DEP                      |
| <input type="checkbox"/> Samples taken by outside source     | <input type="checkbox"/> Regional office instrument readings taken |
| <input type="checkbox"/> Request for Submission of Documents | <input type="checkbox"/> Other documentation                       |

**Inspector:**

*Rob Zepolek*

**Date:** 8/29/08

**Received By:** \_\_\_\_\_ **Title:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Certified Mail Number:** 7007 0710 0000 4226 2178

**Project Funding**

Community Development Block Grant	\$	440,000.00
EPA Special Appropriation Grant	\$	240,600.00
Kentucky Infrastructure Authority HB 380 Grant	\$	200,000.00
Kentucky Infrastructure Authority HB 608 Grant	\$	60,000.00
<b>Total Project Funding</b>	<b>\$</b>	<b>940,600.00</b>

**ESTIMATED BREAKDOWN OF PROJECT COSTS**

		2/10/2010	8/10/2010
<b>PART 1: Wastewater Treatment Plant Improvements and Lift Station Construction (Construction - Substantially complete)</b>			
	<b>As-Bid WWTP budget</b>		
Construction	\$	352,325.27	\$ 353,475.27
Contingency 10%	\$	874.73	
Design and Inspection	\$	60,100.00	\$ 68,143.00
Groundwater protection plan report fee	\$	2,900.00	\$ 2,900.00
Subsurface investigation	\$	2,500.00	\$ 2,500.00
<b>Total Estimated Cost</b>	<b>\$</b>	<b>418,700.00</b>	<b>\$ 427,018.27</b>
<b>PART 2: Sewer Rehab (Current application for CPNC)</b>			
	<b>As-Bid Rehab</b>		
Construction	\$	337,000.00	\$ 212,674.60
Contingency 10%	\$	33,700.00	\$ 149,707.13
Design and Inspection	\$	58,500.00	\$ 58,500.00
Flow Monitoring	\$	9,900.00	\$ 9,900.00
Smoke Testing	\$	12,200.00	\$ 12,200.00
Sewer Cleaning and CCTV Inspection	\$	29,300.00	\$ 29,300.00
<b>Total Estimated Cost</b>	<b>\$</b>	<b>480,600.00</b>	<b>\$ 472,281.73</b>
<b>Kentucky Infrastructure Authority (KIA) Administration Costs</b>			
Kentucky Infrastructure Authority HB 380 - \$1,000	\$	1,000.00	\$ 1,000.00
Kentucky Infrastructure Authority HB 608- \$300	\$	300.00	\$ 300.00
<b>Total KIA Admin Costs</b>	<b>\$</b>	<b>1,300.00</b>	<b>\$ 1,300.00</b>
<b>Purchase Area Development District Administration Costs</b>			
Community Development Block Grant Admin - \$25,000	\$	25,000.00	\$ 25,000.00
HB 380 Admin	\$	10,000.00	\$ 10,000.00
HB 608 Admin	\$	3,000.00	\$ 3,000.00
<b>Total PADD Admin Costs</b>	<b>\$</b>	<b>38,000.00</b>	<b>\$ 38,000.00</b>
Environmental Review Notices	\$	216.75	\$ 216.75
Easements, Legal Fees - Miscellaneous Project Contingency	\$	1,783.25	\$ 1,783.25
<b>Total Estimated Project Costs</b>	<b>\$</b>	<b>940,600.00</b>	<b>\$ 940,600.00</b>

<b>Funding Agency Cost Breakdown</b>	<b>Funding</b>	<b>Amount Drawn to date</b>
CDBG	\$ 440,000.00	\$ 212,701.00
EPA SPAP	\$ 240,600.00	\$ 132,010.00
HB380	\$ 200,000.00	\$ 145,811.90
HB608	\$ 60,000.00	\$ -
<b>Total Funding</b>	<b>\$ 940,600.00</b>	<b>\$ 490,522.90</b>
<b>CDBG -\$440,000</b>		
Construction of WWTP Improvements		\$ 202,701.00
Administration PADD		\$ 10,000.00
<b>Total Drawn CDBG</b>		<b>\$ 212,701.00</b>
<b>EPA SPAP - \$240,600</b>		
Construction of WWTP Improvements		\$ 132,010.00
<b>Total Drawn EPA SPAP</b>		<b>\$ 132,010.00</b>
<b>HB 380 - \$200,000</b>		
Administration KIA		\$ 1,000.00
Administration PADD		\$ 9,000.00
Florence and Hutcheson Planning		\$ 53,640.00
Florence and Hutcheson Design		\$ 64,790.00
Florence and Hutcheson Inspection		\$ 16,100.00
Legal fees, Environmental Notices, Advertisements Notices		\$ 1,281.90
<b>Total Drawn HB 380</b>		<b>\$ 145,811.90</b>