



Complete Cross-Connection Control



For

Cities and Water Utilities



Presented by:



Vepo, LLC | 25740 Century Oaks Blvd | Hockley, Texas 77447
281.476.6886 | conserve@vepollc.com | www.vepollc.com

About Vepo, LLC

Vepo, located in Hockley, Texas near Houston, is dedicated to the vital mission of water protection and conservation. Our primary goal is to safeguard and preserve our most invaluable natural resource.

Through our innovative Envirotrax® system, we actively contribute to water supply protection by offering the following features:

- Streamlined entry of backflow test and maintenance reports.
- Efficient tracking of backflow assemblies.
- Seamless handling of renewal letters for periodic retesting of backflow assemblies.
- User-friendly entry of Customer Service Inspection (CSI) certificates.
- Integration of cross-connections with corresponding backflow assemblies during a CSI.
- Thorough tracking of trip-tickets or manifest for fats, oils, and grease.
- Comprehensive monitoring of inspection reports for fats, oils, and grease.

With these powerful tools at your disposal, we empower you to effectively manage and monitor your entire cross-connection control program.

Qualifications

At Vepo, LLC, we take pride in our Texan roots and possess a deep understanding of the water challenges that our great State faces. We are uniquely equipped to aid our fellow Texans in safeguarding our water resources, ensuring a prosperous future for Texas. With decades of experience in the fields of irrigation and backflow, as well as programming and web development, our dedicated team is well-prepared to assist you.

Notably, two of our founding members have developed industry-leading software programs for irrigation design and scheduling, which have been in the marketplace for more than three decades. Throughout this time, we have served and supported over 10,000 customers, earning their trust and satisfaction.

Furthermore, our team pioneered the creation of the first Internet-based irrigation training program approved by the Texas Commission on Environmental Quality (TCEQ) for Continuing Education Units (CEUs) in the State of Texas.

This extensive background and expertise enable us to effectively plan, implement, and manage the Envirotrax® system, ensuring optimal results.

Complete Cross-Connection Control

Vepo offers the Envirotrax® system, a comprehensive cross-connection control program. Envirotrax® is available to all cities or water purveyors completely FREE OF CHARGE.



Online Backflow Management

The Envirotrax® system is a comprehensive solution for the testing, tracking, and reporting of backflow prevention assemblies. The system is available to any city or water purveyor completely FREE OF CHARGE. All associated fees are covered by the Backflow Prevention Assembly Tester (BPAT). By utilizing this system, users gain access to essential online tools that simplify the process of entering backflow test and maintenance reports, as well as conducting the renewal testing of the assemblies with ease and efficiency.

Online Customer Service Inspection Management

The Envirotrax® system offers a comprehensive Customer Service Inspection (CSI) program that comes with tracking and reporting capabilities. Moreover, this system is available to any city or water purveyor absolutely FREE OF CHARGE. Third-party inspectors are required to pay a nominal fee for entering each CSI certificate. This system equips users with convenient online tools to efficiently enter CSI Certificates and establish cross-connections with backflow assemblies stored within the online system.

Why is a system like this needed?

Online Backflow Management

Backflow prevention assemblies are mechanical devices that are prone to failure. If such an assembly malfunctions, there is a risk of contaminating the potable water supply. It is strongly recommended, as stated in nearly all significant codes and standards, that backflow prevention assemblies undergo testing at least annually.

American Water Works Association (AWWA)

Backflow Prevention and Cross-Connection Control

Water Purveyor's Risk Assessment

Testing of backflow-prevention assemblies.

.....The water purveyor should field-test or require to be field-tested the backflow-prevention assemblies it relies on under these circumstances:

- on installation,
- at least annually,
- after repairs,
- after relocation or replacement, and
- on responding to a reported backflow incident.

Uniform Plumbing Code (UPC)

Water Supply and Distribution

312.9.2 Testing

.....shall be tested at the time of installation, immediately after repairs or relocation and at least annually.

International Plumbing Code (IPC)

Water Supply and Distribution

603.2 Approval of Devices or Assemblies

.....Such devices or assemblies shall be tested at the time of installation, repair, or relocation and not less than on an annual schedule thereafter, or more often where required by the Authority Having Jurisdiction.

Online Customer Service Inspection Management

Periodic inspections of water systems play a crucial role in identifying potential cross-connections and ensuring the presence of appropriate backflow prevention assemblies. These inspections are essential to safeguard the potable water supply from contamination.

How does it work?

Online Backflow Management System

Envirotrax® is a user-friendly platform that simplifies the process of managing backflow prevention. Property owners can easily hire a registered Backflow Prevention Assembly Tester (BPAT) to conduct the necessary tests on their backflow prevention assemblies. The BPAT creates a secure account in the Envirotrax® system and logs in to record the test results.

Through a password-protected administration account, water purveyors have the ability to search for backflow test reports within their jurisdiction using various criteria such as property address, mailing address, serial number, hazard type, assembly type, BPAT company name, BPAT license number, BPAT contractor name, date range and more. The test reports can be conveniently viewed online or printed as PDF files.

Behind the scenes, Vepo diligently validates each entry into the system. Our proprietary Validation system promptly alerts Vepo of any changes detected between the previous and current tests. These changes include inconsistencies in assembly information, such as alterations in assembly type, make, model, size, or serial number. The validation process also identifies assemblies that have been relocated to a different address and checks for any discrepancies in property address or mailing address information. This rigorous validation ensures that the assembly test information remains accurate and consistent.

The Notifications feature empowers each user to create, view, search, and receive notifications based on their specific preferences. For instance, assigned personnel can opt to receive notifications when replacement assemblies or failed tests are recorded in the system.

In the System Reports section, users can access valuable statistics regarding the number of test reports submitted annually. It also provides insights into the percentage of assemblies categorized by hazard type, assembly type, and whether they are commercial or residential. Additionally, the Assembly Compliancy Status feature presents the total number of active assemblies and the corresponding number

and percentage of compliant assemblies. Compliancy status is further broken down by each preset hazard type, enabling focused analysis and attention.

If a BPAT allows their license, insurance, or test gauge certification to expire, the Envirotrax® system will automatically deactivate their account. This precautionary measure prevents them from submitting any further test reports until their information is updated and verified by Vepo personnel.

Furthermore, Envirotrax® has the capability to generate up to three letters notifying existing property owners of upcoming backflow test requirements. Vepo takes care of all aspects related to the distribution of these letters, from printing to mailing, ensuring a seamless communication process.

Online Customer Service Inspection Management

With the Envirotrax® Customer Service Inspection Management system, the water purveyor typically notifies a water customer of the need for a Customer Service Inspection. Once notified, the water customer can hire a registered Customer Service Inspector (CSI) to conduct the inspection. The CSI creates a secure account in the Envirotrax® system and logs in to their password-protected account to record the inspection results. Additionally, the system allows them to link any cross-connections found during the inspection with existing test and maintenance reports for backflow assemblies within the system.

Through a password-protected administration account, water purveyors have the ability to search for inspections within their jurisdiction using various criteria such as property address, mailing address, inspector company name, inspector license number, inspector name, inspection status (pass/fail), and date range. Inspections can be conveniently viewed online or printed as PDF files.

The System Reports feature provides comprehensive statistics on inspections, including the number of inspections entered per year, the percentage of inspections that passed or failed, the distribution of each inspection type, and whether the properties inspected are commercial or residential.

In the event that an inspector allows their license or required insurance to expire, the Envirotrax® system will automatically deactivate their account until their information is updated and verified by Vepo personnel.

Envirotrax® is 100% FREE OF CHARGE to any water purveyor. With Envirotrax®, a water purveyor can now manage backflow assemblies and Customer Service Inspections within their cross-connection control program without the need for additional manpower or financial investment.

Benefits of Envirotrax®

There are numerous benefits to using the Envirotrax® system for the water purveyor, BPAT, and the inspector. Below are just a few.

- The TCEQ is approving cities and water purveyors to use Envirotrax® for accepting and storing backflow test and maintenance reports and Customer Service Inspection Certificates.
- The Envirotrax® system is completely FREE OF CHARGE for water purveyors.
- Data is secure and confidential.
- Regular testing of backflow prevention assemblies ensures the protection of the water supply.
- Water systems undergo regular inspections to guarantee proper backflow prevention.
- The accuracy of all backflow test results is automatically verified.
- Vepo personnel verify the BPAT license, company fire license, gauge test accuracy report, Customer Service Inspector license, and general liability insurance.
- If a license, insurance, or test gauge expires, the system prevents the submission of backflow tests or Customer Service Inspection Certificates.
- The elimination of paper reports saves time and money.
- The system is user-friendly and easy to learn.
- Search capabilities are available for all test reports and inspections.
- Envirotrax® allows multi-user access for the water purveyor, BPAT and inspection personnel.

Fees

Online Backflow Management

Envirotrax® is provided FREE OF CHARGE to any city or water purveyor. All associated fees are covered by the Backflow Prevention Assembly Tester (BPAT). The BPAT is responsible for paying a fee for submitting a passing backflow test and maintenance report. There are no registration or advertising fees involved. Please find below the fees associated with the services provided:

\$11.50

With Vepo mailing up to three annual renewal letters for each maturing test report

Online Customer Service Inspection Management

Envirotrax® is FREE OF CHARGE to any city or water purveyor inspector. Third-party inspectors pay a fee to enter a Customer Service Inspection. Below are the fees paid by the inspector:

\$0.00

If a CSI is entered by city or water purveyor licensed personnel

\$10.00

If a CSI is entered by a third-party licensed inspector

Client References

Here are a few client references for your consideration. If you need more references, please do not hesitate to let us know, and we will be happy to provide them.

City of Fort Worth
Micah Reed
817-392-8211
Micah.Reed@fortworthtexas.gov

City of Corpus Christi
Blanca Villanueva
361-826-1665
BlancaP@cctexas.com

The City of San Angelo
Mike Purcell
325-653-5448
mike.purcell@cosatx.us

City of Conroe
Christine Santiny
936-522-3879
csantiny@cityofconroe.org

City of Colleyville
Don Baker
817-503-1367
dbaker@colleyville.com

City of Southlake
Madisson Dunn
817-748-8638
acarlisle@ci.southlake.tx.us

City of Baytown
Adileni Olivares
281-420-5311 x8242
Adileni.Olivares@baytown.org

City of Sequin
Rick Jimenez
830-386-2218
rjimenez@seguintexas.gov



Quick List of Features and Capabilities



ENVIROTRAX® SYSTEM

REGISTERED BPAT AND CUSTOMER SERVICE INSPECTOR

Registration includes all participating water purveyors

Password protected account

From one screen, manage or view their registered license, insurance, gauges, sub accounts, CSI Certificates, recent test submissions, tests expiring this month, tests expiring next month, and tests expiring in two months

Search assembly test history by serial number, property address, or mailing address

Export search results and test reports to multiple formats including Microsoft® Excel and Adobe® PDF

Easily select a water purveyor to enter test and maintenance reports or CSI Certificates

Submit test reports or certificates online from a PC, tablet, or smart phone with Internet access

No tracking numbers or tags to affix to an assembly as required in other online systems

Pick and choose payment of test reports

Print or review payment receipts

No travel time to water purveyor's office allowing for more productivity

Convenience of online reporting and transactions

Improved accuracy of data and site information

WATER PURVEYOR

No software to purchase, so IT department has no upgrades, annual fees, or program maintenance to oversee

No additional staff is required, eliminating health benefits, paperwork to file, additional vehicles and maintenance, creation of forms and letters, postage, and office supplies

Manage account contact information and other user password protected logins

Unlimited number of user logins

View number of test submissions per day for last 10 days instantly

View BPAT and Inspector insurance requirements and all associated fees

Search assemblies with 26 different criteria settings and export reports to multiple different formats

Able to create multiple different search templates

Easily search list of registered BPAT's and CSI's

Customize language in renewal letters

Each user may create their own specific set of notifications based on their selected criteria

View a report on the average assembly compliancy or compliancy broken out per hazard type

View system reports by year, property type, hazard type, and assembly type

| VEPO MANAGEMENT ROLE |
|---|
| Manage and maintain the Envirotrax® system |
| Create links to display registered BPAT's and Inspectors for the water purveyor's website |
| Notify Licensed BPAT's in the immediate area |
| Notify water purveyor's customers of the new Online Backflow Management System |
| Train water purveyor personnel to use the systems |
| Train interested BPAT's and Inspectors to use the system |
| Verify BPAT and CSI licenses, Fire Marshall licenses, insurance, and test gauge certifications |
| Maintain all backflow test validations and out of service requests |
| Provide a Quick Start Guide for registration and test entry procedures |
| Provide an Online Learning Center with video tutorials on how to use the features of the system |
| Provide support to BPAT's and Inspectors registering or entering test reports or certificates |
| Provide sample renewal letters to water purveyor for approval with the main language being customizable |
| Handle 100% of annual test requirement renewal letters |
| Create and mail renewal letters the first week of each month |
| Upload new client past test history at no charge into the system if provided in an acceptable format |
| Provide the capability for the water purveyor to import and export data as desired |
| WATER PURVEYOR INSPECTOR |
| Access to a specialized link to verify that backflow tests have been performed from a PC, tablet, or smart phone with Internet access |
| BACKFLOW ASSEMBLY OWNER |
| Access to a specialized link that is automatically updated with a list of registered testers for their area |



Service Availability and Data Integrity



Program Information

Our system is comprised of two separate software modules running on dedicated web servers. The modules include the Envirotrax® system and the W.I.S.E. Guys residential irrigation evaluation program.

Service Availability and Data Integrity

Service Availability and Redundancy:

Vepo's software system resides on two independent server clusters which are hosted by leading web service providers. Each of our server clusters consists of enterprise level server architecture. This level of server architecture maximizes service availability and provides a high level of data protection.

Each of our servers is protected from drive failure and data loss through an array of RAID configured hard drives. In the event of a hard drive failure, the other drives on the RAID array will pick up the load until a technician replaces the failed hard drive. The process is completely transparent to the end user and no service interruption takes place.

Our frontend web server clusters are setup in a load balanced configuration. Load balancing consists of two or more mirrored servers working in tandem with each other. Demand on the server cluster is distributed evenly. Load balancing provides our server clusters with efficient hardware scalability. As demand increases on our servers, we can simply drop another server into the load balanced server array. Load balancing also provides a high level of redundancy in case of server failure. In the event of a server failure, it is taken offline for repair and the mirrored servers in the load balanced server array will pick up the load. Once again, the process is completely transparent to the end user and no service interruption takes place.

Vepo's services are protected against failure on a server cluster, data facility, and web host provider level by a secondary server cluster hosted by a separate web host provider operating on a completely different network. Failures at this level can include an "act of god" event such as an earthquake or tornado destroying an entire data facility. Hackers and other hostile entities can also shut down web services and even an entire network through Denial of Service (DOS) attacks. In the event of a service failure at this level, Vepo has redundancy plans in place to automatically redirect traffic to our secondary server cluster through domain redirects. In the extreme event of our web hosting provider's DNS server experiencing a DOS attack, which will negate domain redirects, we will send email notifications to our end users with instructions on where to login to our secondary server cluster.

Vepo's primary server cluster is managed and hosted by Ionos, a leader amongst global Web hosting providers. Ionos hosts 13.27 million customers and over 19 million domain names in seven data centers with 70,000 servers in Europe and the United States. Our primary server cluster is located in Iono's state of the art data center located in Lenexa, Kansas. Our secondary server cluster is hosted by Hivelocity. This set of servers is located halfway across the country in the data center in Tampa, Florida.

Data Backup, Replication, and Disaster Recovery:

Database backup is provided by professional database backup software. A full backup of our primary database is made on an hourly basis. Backups are stored locally on the server and a copy of the backup is also uploaded to a remote cloud storage service. In a worst-case scenario failure of the primary server cluster or loss of data integrity, the data can be restored from the local or remote backup file.

Data replication is the act of mirroring or syncing data from one location to another. Data is replicated to our secondary server cluster by means of enterprise level transactional replication services. Replicated data on the secondary database server is our primary means of restoring lost or corrupted data.

Vepo's disaster recovery (DR) plan consists of 3 components: A secondary server cluster operating independently from the primary server cluster; data replication; and professional hourly backup. Our secondary server cluster DR plan minimizes service interruption and data loss during the recovery process by already having a complete copy of the primary service in place and operational. If the data that was replicated to the server is corrupted in anyway, data will be restored from cloud backup which will never be more than one hour old.

Data Availability

Through the online system, all backflow test and maintenance reports are available for review online 24/7. The Water Supplier Administration user interface (UI) provides advanced querying capabilities. Query results may be exported as Comma Separated Values (CSV), an Excel Spreadsheet, or an Adobe Portable Document Format (PDF) printable document.

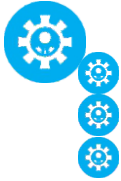
If more advanced data export functionality is needed, Vepo can provide custom data exports to simple local databases such as Microsoft Access, to advanced data exports such as replicating your data to a MS SQL Server to be accessed remotely.

Vepo System Diagram

Vepo Administration



Water Supplier Administration



Vepo Management Application

User ID and Password protected management account
All HTTP request and responses are SSL encrypted

Application Tools:

Account dashboard/overview for a quick overview of the account status
Sub-administrator management
Notification management
Property record management
Backflow test and CSI record search/export tools
Backflow test and CSI statistical reporting
Registered user search and management
Registered user license, test gauge, and insurance management *

* Vepo administrator accounts only

1&1 Datacenter



Application Server Nodes



Microsoft Windows Server nodes in a load balancing configuration.

Additional nodes can be added as the demand for system resources increases.

MSSQL Database Nodes



Microsoft MSSQL Server nodes in a load balancing configuration.

Additional nodes can be added as the demand for system resources increases.

Data is replicated to the HiVelocity MSSQL nodes. Hourly database backup is stored locally and in a cloud backup service.

Cloud Backup Services



Data storage used for application and database backups.

Registered Users



Routed network

HiVelocity Datacenter



Application/MSSQL Database Nodes



Combined application/database servers in a load balancing configuration. This is a mirror of the 1&1 node and is responsible for the following:

- System Redundancy: Client requests will be routed here if the 1&1 servers become nonresponsive.
- Development Environment: Application updates are pushed to these servers for testing before they are pushed to the live 1&1 servers.



Attachments and Supplements



City of Georgetown
PO Box 1430
Georgetown, Texas 78626



Super Grocery Store
Bob Dillon
2000 W Baker Rd
Anywhere, TX 77123

| | |
|---------------------------|--|
| Account Number: | 1080-2995-3177 |
| Date: | 9/19/2024 |
| Property Location: | Super Grocery Store 2000 W Baker Rd Anywhere, TX 77123 |

City of Georgetown - Notice of Backflow Prevention Assembly Test Renewal

Dear Customer,

Protecting the quality and safety of our water supply is something we take very seriously. Part of that role is checking that water from other sources does not accidentally contaminate the water you and your neighbors rely on.

According to our records, the annual test of one or more of your Backflow Prevention Assemblies are due within the next 60 days. A successful test of any assemblies must be completed by a registered Backflow Prevention Tester (BPAT) and the results submitted through our online system, Vepo, LLC. Water service may be interrupted while the test is being performed, depending on how your system is configured. The test results must be submitted no later than the Expiration Date below.

For a list of registered and approved Backflow Prevention Assembly Testers (BPAT's), please visit our website at www.gus.georgetown.org.

If any backflow assembly has been tested within the past twelve months, the assembly is no longer in service, or there are any other discrepancies in the information provided in this letter, please let us know so that we may correct our records.

Note: Backflow prevention assemblies on fire protection sprinkler systems are required by the State Fire Marshal to be tested and/or repaired by a BPAT who is a full-time employee of a fire protection sprinkler company that is licensed with the State Fire Marshal's Office.

Should you have any questions, please write or call:

City of Georgetown
Customer Care
PO Box 1430
Georgetown, Texas 78626

Telephone: 512-930-3640
Email: customercare@georgetown.org

Your prompt attention to this matter would be greatly appreciated.

Sincerely,

Water Regulatory

| Assembly Information | Location Description | Last Tested By | Expiration Date |
|---------------------------------------|--|-----------------------------|---|
| Wilkins 975XL 3/4 - RP SN: 5660145 | Produce prep cooler under 3-comp sink... | Sample BPAT 123-456-7890 | Tested On: 9/3/2023 Expiration: 9/1/2024 |
| Wilkins 975XL 3/4 - RP SN: 5660160 | Meat market on cooler wall across fro... | Sample BPAT 123-456-7890 | Tested On: 9/3/2023 Expiration: 9/1/2024 |
| Wilkins 975XL 3/4 - RP SN: 5660162 | Bakery under 3-comp sink on wall for ... | Sample BPAT 123-456-7890 | Tested On: 9/3/2023 Expiration: 9/1/2024 |
| Wilkins 975XL 1/2 - RP SN: 1117226 | Deli under 3-comp sink on wall for ho... | Sample BPAT 123-456-7890 | Tested On: 9/3/2023 Expiration: 9/1/2024 |
| Wilkins 375 2 1/2 - RP SN: 1264078 | Main service at meter | Sample BPAT 123-456-7890 | Tested On: 9/3/2023 Expiration: 9/1/2024 |
| Febco 860 1 1/2 - RP SN: H854912 | Carwash meter | Sample BPAT 123-456-7890 | Tested On: 9/3/2023 Expiration: 9/1/2024 |

City of Orange
402 S 10th st
Orange, Texas 77630



Gas Station
Manager
2175 S Central Cir
Anywhere, TX 77777

| | |
|---------------------------|---|
| Account Number: | 1080-2886-3178 |
| Date: | 9/19/2024 |
| Property Location: | Gas Station 2175 S Central Cir Anywhere, TX 77777 |

City of Orange - Notice of Backflow Prevention Assembly Test Expiration

Dear Customer,

Our records indicate that you have not completed a test on one or more Backflow Prevention Assemblies installed in your water service, within your plumbing system, or within your irrigation system by the required Expiration Date indicated below. We must receive an acceptable test report to indicate that the backflow prevention assembly is in working order.

The test results must be completed by a registered Backflow Prevention Assembly Tester (BPAT) and the results submitted through our online system no later than 10/19/2024.

For a list of registered and approved Backflow Prevention Assembly Testers, please visit our website at <http://www.orangetexas.net/cross-connection-control-backflow/>.

If any backflow assembly has been tested within the past twelve months, the assembly is no longer in service, or there are any other discrepancies in the information provided in this letter, please let us know so that we may correct our records.

Note: Backflow prevention assemblies on fire protection sprinkler systems are required by the State Fire Marshal to be tested and/or repaired by a BPAT who is a full-time employee of a fire protection sprinkler company that is licensed with the State Fire Marshal's Office.

Should you have any questions, please write or call:

City of Orange
Gavin Victoria Water & Sewer Manager
402 S 10th st
Orange, Texas 77630

Telephone: 409-988-7335
Fax: 409-883-1952
Email: jlangley@orangetexas.gov

Your prompt attention to this matter would be greatly appreciated.

Sincerely,

Adam Jack, P.E., Director of Public Works

| Assembly Information | Location Description | Last Tested By | Expiration Date |
|-----------------------------------|-------------------------------------|-----------------------------|---|
| Watts 009M2 1 - RP SN: 1351869 | Water heater room near water heater | Sample BPAT 123-456-7890 | Tested On: 8/19/2023 Expiration: 8/19/2024 |
| Watts 007 1 - DC SN: 1451857 | Main water line below water heater | Sample BPAT 123-456-7890 | Tested On: 8/19/2023 Expiration: 8/19/2024 |
| Watts 009M2 1 - RP SN: 1354241 | Below soda machine in back of store | Sample BPAT 123-456-7890 | Tested On: 8/19/2023 Expiration: 8/19/2024 |
| Watts 009M2 1 - RP SN: 1354241 | Below soda machine in back of store | Sample BPAT 123-456-7890 | Tested On: 8/19/2023 Expiration: 8/19/2024 |

City of Midland
300 N. Loraine, Suite 520
Midland, Texas 79702



Some Commercial Company, Inc
1001 Mailing St
Hockley, TX 77321

| | |
|---------------------------|---|
| Account Number: | 1084-1 |
| Date: | 9/19/2024 |
| Property Location: | 1001 Testing Property St Houston, TX 77123 |

City of Midland - Notice of Backflow Prevention Assembly Test Requirement

Dear Customer,

Our records indicate that you have not completed a test on one or more Backflow Prevention Assemblies installed in your water service, within your plumbing system, or within your irrigation system by the required Expiration Date indicated below. We must receive an acceptable test report to indicate that the backflow prevention assembly is in working order.

Irrigation systems are ranked by the American Water Works Association (AWWA) as a high health hazard to the public water system because of exposure to fecal material, fertilizers, pesticides, and other contaminants. The Texas Commission on Environmental Quality (TCEQ) requires installation of backflow prevention assemblies on all irrigation systems.

City of Midland Plumbing Codes and Code of Ordinances require that all backflow prevention assemblies be inspected annually by a licensed Backflow Prevention Assembly Tester (BPAT). Because our records show that one or more assemblies have not been tested in the past year, you must have any assemblies listed below tested immediately, but no later than 9/30/2024 by a registered Backflow Prevention Assembly Tester. Please comply with this deadline as soon as possible. Code Enforcement must take action if the deadline is not met.

For a list of registered and approved Backflow Prevention Assembly Testers, please visit our website at <http://www.midlandtexas.gov/backflow>.

If any backflow assembly has been tested within the past twelve months, the assembly is no longer in service, or there are any other discrepancies in the information provided in this letter, please let us know so that we may correct our records.

Note: Backflow prevention assemblies on fire protection sprinkler systems are required by the State Fire Marshal to be tested and/or repaired by a BPAT who is a full-time employee of a fire protection sprinkler company that is licensed with the State Fire Marshal's Office.

Should you have any questions, please write or call:

City of Midland
Carl A Craigo, P.E.
300 N. Loraine, Suite 520
Midland, Texas 79702

Telephone: 432-685-7260
Email: utilities@midlandtexas.gov

Your prompt attention to this matter would be greatly appreciated.

Sincerely,

Carl A Craigo, P.E.

| Assembly Information | Location Description | Last Tested By | Expiration Date |
|-------------------------------------|-----------------------------|-----------------------------------|---|
| Watts Model123 2 - DC SN: 66501 | NE corner of main building. | AAA Backflow, LLP 713-123-4567 | Tested On: 9/19/2023 Expiration: 9/20/2024 |
| Watts Model123 2 - DC SN: 133002 | NE corner of main building. | AAA Backflow, LLP 713-123-4567 | Tested On: 9/19/2023 Expiration: 9/21/2024 |
| Watts Model123 2 - DC SN: 199503 | NE corner of main building. | AAA Backflow, LLP 713-123-4567 | Tested On: 9/19/2023 Expiration: 9/22/2024 |
| Watts Model123 2 - DC SN: 266004 | NE corner of main building. | AAA Backflow, LLP 713-123-4567 | Tested On: 9/19/2023 Expiration: 9/23/2024 |
| Watts Model123 2 - DC SN: 332505 | NE corner of main building. | AAA Backflow, LLP 713-123-4567 | Tested On: 9/19/2023 Expiration: 9/24/2024 |

Sample City - Backflow Prevention Assembly Test and Maintenance Report

The following form must be completed for each assembly tested for recordkeeping *purposes:

Sample City
123 Anywhere St
Anywhere, Texas 77777

PWS ID: 12300456000
Contact Name: Backflow Prevention Program
Phone Number: 123-456-7890

BPAT Information

Company Name: Sample BPAT
Tester Name: Junior Sample
Address: 123 Anywhere Street
Anywhere, Texas 77000

Phone Number: 123-456-7890
Email Address: junior@bpat.com
License Number: BP1234567
License Expiration: 4/25/2019

Location Information

Property Type: Commercial
Business Name: Burger Hut
Property Address: 200 N Kimberly Ave #204
Anywhere, TX 77000

Contact Information

Company Name: Burger Hut
Contact Name: Manager
Mailing Address: 200 N Kimberly Ave #204
Anywhere, TX 77000
Phone Number:
Email Address:

Backflow Information

The backflow prevention assembly detailed below has been tested and maintained as required by commission regulations and is certified to be operating within acceptable parameters.

Backflow Method: Reduced Pressure Principle Detector Type II
Main Assembly Manufacturer: Backflow Direct Model: DERINGER50 Size: 2 Serial Number: 008885
Bypass Assembly Manufacturer: Backflow Direct Model: DERIGNER50 Size: 3/4 Serial Number: 133331
Location: In the front of the building by the water meter on the southwest side.
Hazard Type ****: Domestic/Premises Isolation

Backflow Test Information

Test Result: Passed
Reason for Test: Replacement Old Model/Serial #:

Is the assembly installed in accordance with manufacturers recommendations and/or local codes? Yes

Is the assembly installed on a non-potable water supply (auxiliary)? No

Differential pressure gauge used: Watts TK-99E (potable) Serial Number: 123456 Date Tested for Accuracy: 4/15/2018

Reduced Pressure Principle Detector Type II

| | Check Valve #1 | Check Valve #2 | Relief Valve | Bypass Check |
|--|--|---|---|--|
| Initial Test Date: 9/6/2024 Time: 11:00 AM | Held at 8.2 PSID <input checked="" type="checkbox"/> ClosedTight <input type="checkbox"/> Leaked | Held at __ PSID <input checked="" type="checkbox"/> ClosedTight <input type="checkbox"/> Leaked | Opened at 5.1 PSID <input type="checkbox"/> Did not open | Held at 2 PSID <input checked="" type="checkbox"/> ClosedTight <input type="checkbox"/> Leaked |
| Repairs and Materials Used | | | | |
| Repair Details | | | | |
| Test After Repairs | Held at 0 PSID <input type="checkbox"/> Closed Tight | Held at __ PSID <input type="checkbox"/> Closed Tight | Opened at 0 PSID | Held at 0 PSID <input type="checkbox"/> Closed Tight |

Water Meter Test **** Meter reading prior to test: 0 Meter registers a flow? ☐ Meter reading upon completion: 0

Additional Information Required by Sample City ****

Water Meter Number:

Permit Number:

Remarks

The assembly is not in a cage and is easy to access.

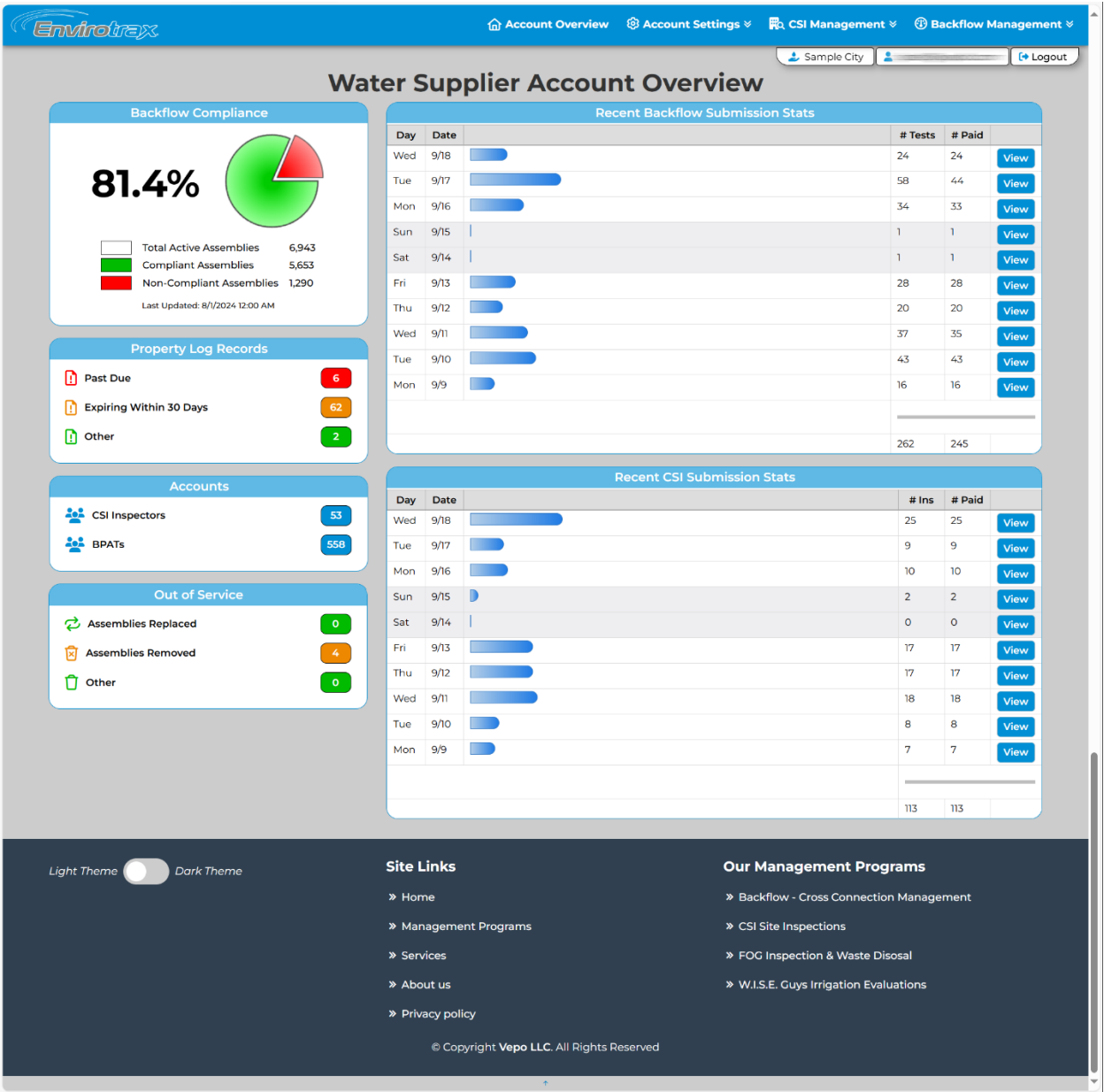
The above is certified to be true at the time of testing.

* TEST RECORDS MUST BE KEPT FOR AT LEAST THREE YEARS [30 TAC 290.46(B)]

** USE ONLY MANUFACTURER'S REPLACEMENT PARTS

*** 2nd Check: Numeric reading required for double check valve only.

**** Indicates additional information not present on the standard TCEQ report



Envirotrax

Account Overview

Account Settings

CSI Management

Backflow Management

FOG Management

Sample City

Logout

Property Record Search

General Search Criteria

Account Number:

Facility Type:

Any Value

Active:

Any Value

Has Grease Trap:

Any Value

GIS Area:

Any Area

Select Area

Has Known Backflow Assemblies:

Any Value

Invalid Mailing Address:

Any Value

Has On-Site Sewage Facility:

Any Value

Out of Area:

Any Value

Has Auxiliary Water Supply:

Any Value

Is Fee Exempt:

Any Value

Has Fire System:

Any Value

Assembly Status:

Any Value

Fire System on Separate Water Supply:

Any Value

Needs CSI Inspection:

Any Value

Has Sand & Grit Trap:

Any Value

Needs Unknown Assemblies Letter:

Any Value

Has Irrigation System:

Any Value

FOG Compliancy Status:

Any Status

Irrigation on Separate Water Supply:

Any Value

Needs FOG Inspection:

Any Value

Has Domestic/Premises Isolation:

Any Value

Needs FOG Permit:

Any Value

Requires Domestic/Premises Isolation:

Any Value

Date to Search:

Any Date

Location / Property Criteria

Property Type:

All Property Types

Property Business Name:

Property Address:

Street #:

Street Name:

Suite/Apt #:

ZIP:

Contact / Mailing Criteria

Company Name:

Contact Name:

Mailing Address:

Street #:

Street Name:

Suite/Apt #:

ZIP:

Search - Map Results

Search - Table Results

Light Theme

Dark Theme

Site Links

» Home

» Management Programs

» Services

» About us

» Privacy policy

Our Management Programs

» Backflow - Cross Connection Management

» CSI Site Inspections

» FOG Inspection & Waste Disosal

» W.I.S.E. Guys Irrigation Evaluations

© Copyright Vepo LLC. All Rights Reserved

Envirotrax

Account Overview

Account Settings

CSI Management

Backflow Management

FOG Management

Sample City

Logout

Backflow Test Search

Search Template: None

Rename

Delete

Save

Create New Template From Search Criteria

Account Number:

Serial Number:

Reason for Test:

All Values

Hazard Type:

All Hazard Types

Backflow Method:

All Device Types

Force Renewal:

Any Value

Test History:

Latest Test Only

Test Result:

All Test Results

Service Status:

All Status Types

Payment Status:

Paid

Approval Status:

Any Status

Rejected Status:

Any Status

Facility Type:

☐ Restaurant

☐ Fast Food Establishment

☐ Hotel/Motel

☐ Car Wash

☐ School/University

☐ Grocery Store

☐ Convenience Store

☐ Assisted Living Facility

☐ Medical Facility

☐ Industrial

☐ City Owned Facility

☐ Other

OSSF:

Any Value

Fee Exempt:

Any Value

Water Meter Number:

Date To Search:

Any date ran

Installed per recommendations and/or local codes?

Any value

Installed on a non-potable water supply (auxiliary)?

Any value

Test Gauge:

Any value

BPAT Criteria

BPAT License Number:

BPAT Company Name:

BPAT Contact Name:

Location / Property Criteria

Property Type:

All Property Types

Property Business Name:

Property Address:

Street #:

Street Name:

Suite/Apt #:

ZIP:

Contact / Mailing Criteria

Company Name:

Contact Name:

Mailing Address:

Street #:

Street Name:

Suite/Apt #:

ZIP:

Search

Light Theme

Dark Theme

Site Links

» Home

» Management Programs

» Services

» About us

» Privacy policy

Our Management Programs

» Backflow - Cross Connection Management

» CSI Site Inspections

» FOG Inspection & Waste Disosal

» W.I.S.E. Guys Irrigation Evaluations

© Copyright Vepo LLC. All Rights Reserved

Water Supplier Backflow Test Reports

Backflow Test Reports

Current Compliance Status

Compliance History

New/Removed

8/1/2011 - 9/30/2024 Totals

From Date: 08/01/2011

To Date: 09/30/2024

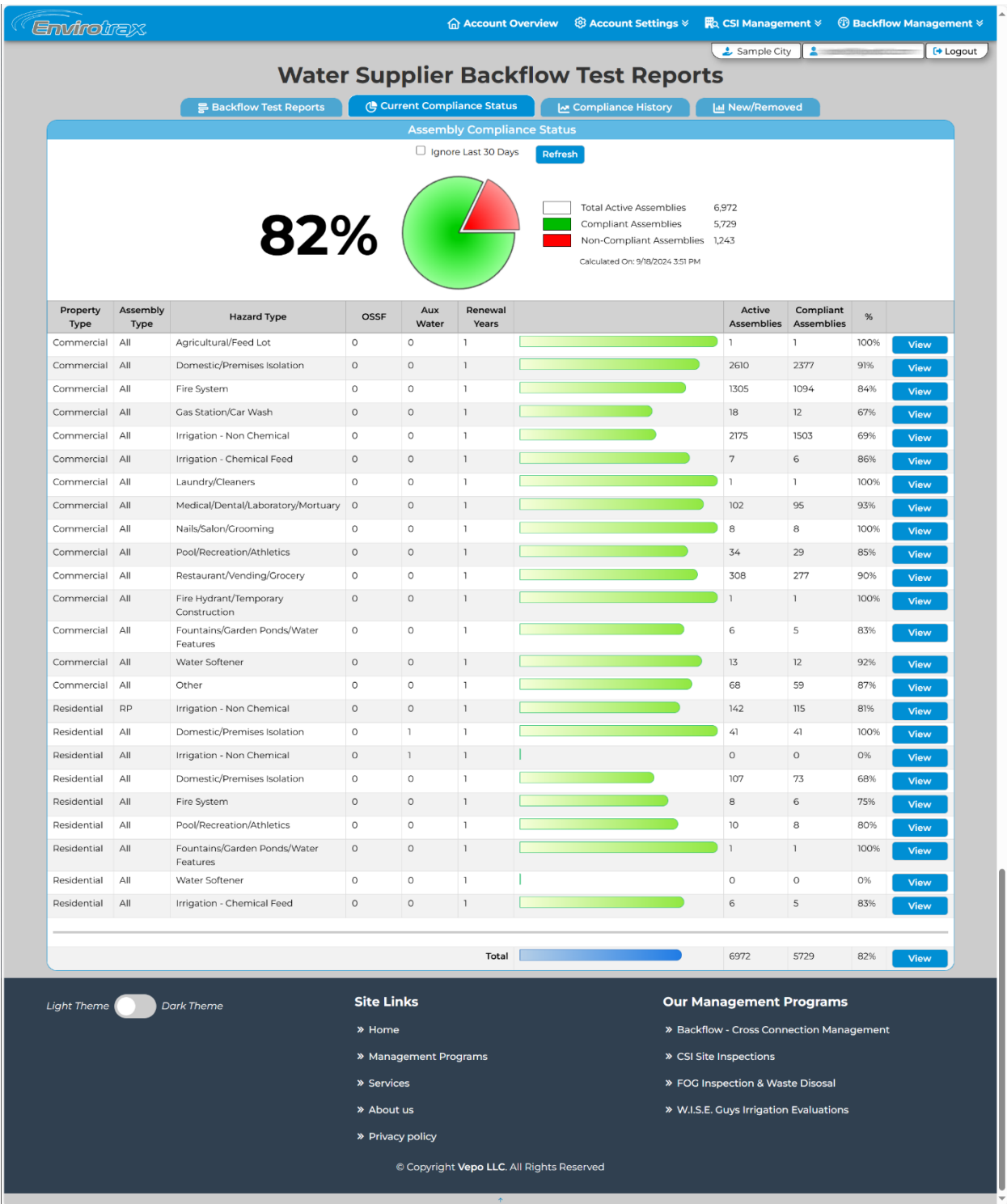
Search

Total Tests: 47176

| Year | # | % |
|------|-------|-----|
| 2024 | 4877 | 10% |
| 2023 | 6826 | 14% |
| 2022 | 6719 | 14% |
| 2021 | 12842 | 27% |
| 2020 | 5490 | 12% |
| 2019 | 5273 | 11% |
| 2018 | 4908 | 10% |

8/1/2011 - 9/30/2024 Statistics

| Statistic | # | % |
|---------------------------------------|-------|-----|
| Total Tests | 47176 | |
| Added By | | |
| Import | 30003 | 64% |
| BPAT | 17005 | 36% |
| CSI | 168 | 0% |
| Property Type | | |
| Residential | 9569 | 20% |
| Commercial | 37607 | 80% |
| Test Result | | |
| Passed No Repairs | 15765 | 50% |
| Passed With Repairs | 1003 | 3% |
| Failed | 1242 | 4% |
| Reason for Test | | |
| Unknown | 30171 | 64% |
| New Installation | 1484 | 3% |
| Existing Installation | 14745 | 31% |
| Replacement Assembly | 776 | 2% |
| Hazard Type | | |
| Agricultural/Feed Lot | 2 | 0% |
| Domestic/Premises Isolation | 15335 | 33% |
| Fire System | 9138 | 19% |
| Gas Station/Car Wash | 43 | 0% |
| Irrigation - Non Chemical | 20724 | 44% |
| Irrigation - Chemical Feed | 25 | 0% |
| Laundry/Cleaners | 2 | 0% |
| Medical/Dental/Laboratory/Mortuary | 245 | 1% |
| Nails/Salon/Grooming | 18 | 0% |
| Pool/Recreation/Athletics | 105 | 0% |
| Restaurant/Vending/Grocery | 764 | 2% |
| Fire Hydrant/Temporary Construction | 2 | 0% |
| Fountains/Garden Ponds/Water Features | 22 | 0% |
| Water Softener | 24 | 0% |
| Other | 726 | 2% |
| Assembly Type | | |
| DC | 6850 | 15% |
| DCD | 3261 | 7% |
| DCD Type II | 61 | 0% |
| RP | 16679 | 35% |
| RPPD | 146 | 0% |
| RPPD Type II | 13 | 0% |
| PVB | 18787 | 40% |
| SVB | 1058 | 2% |
| On-site Sewage Facility | 165 | 0% |



Water Supplier Backflow Test Reports

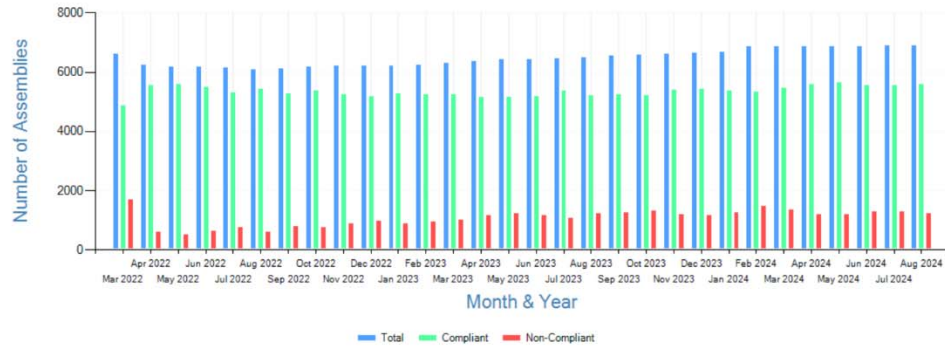
Backflow Test Reports

Current Compliance Status

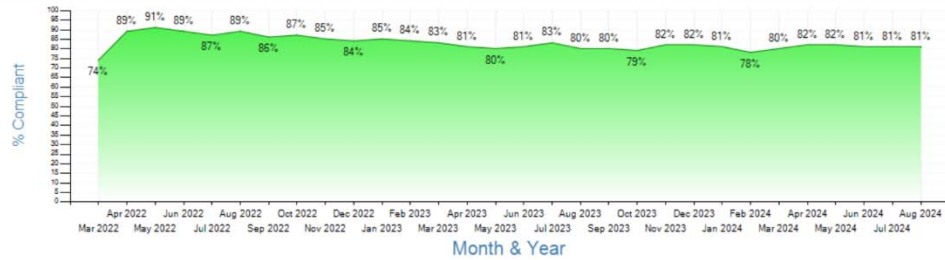
Compliance History

New/Removed

Compliance History By Number of Assemblies



Percent of Compliant Assemblies



Compliance History Report

| Month | Year | | Total Assemblies | Compliant Assemblies | % |
|-------|------|--|------------------|----------------------|-----|
| Aug | 2024 | | 6943 | 5653 | 81% |
| Jul | 2024 | | 6956 | 5614 | 81% |
| Jun | 2024 | | 6938 | 5606 | 81% |
| May | 2024 | | 6937 | 5698 | 82% |
| Apr | 2024 | | 6911 | 5649 | 82% |
| Mar | 2024 | | 6924 | 5506 | 80% |
| Feb | 2024 | | 6932 | 5404 | 78% |
| Jan | 2024 | | 6722 | 5424 | 81% |
| Dec | 2023 | | 6709 | 5476 | 82% |
| Nov | 2023 | | 6685 | 5449 | 82% |
| Oct | 2023 | | 6643 | 5275 | 79% |
| Sep | 2023 | | 6602 | 5302 | 80% |
| Aug | 2023 | | 6557 | 5265 | 80% |
| Jul | 2023 | | 6529 | 5419 | 83% |
| Jun | 2023 | | 6478 | 5249 | 81% |
| May | 2023 | | 6491 | 5209 | 80% |
| Apr | 2023 | | 6430 | 5220 | 81% |
| Mar | 2023 | | 6355 | 5297 | 83% |
| Feb | 2023 | | 6304 | 5309 | 84% |
| Jan | 2023 | | 6263 | 5321 | 85% |
| Dec | 2022 | | 6266 | 5244 | 84% |
| Nov | 2022 | | 6257 | 5312 | 85% |
| Oct | 2022 | | 6243 | 5415 | 87% |
| Sep | 2022 | | 6178 | 5325 | 86% |
| Aug | 2022 | | 6152 | 5483 | 89% |
| Jul | 2022 | | 6194 | 5376 | 87% |
| Jun | 2022 | | 6233 | 5545 | 89% |
| May | 2022 | | 6233 | 5655 | 91% |
| Apr | 2022 | | 6290 | 5622 | 89% |
| Mar | 2022 | | 6674 | 4917 | 74% |

Sample City - Customer Service Inspection

Sample City
123 Anywhere St
Anywhere, Texas 77777

PWS ID: 12300456000
Phone Number: 123-456-7890
Email Address: sample@vepollc.com

Inspector Information

Company Name: Sample CSI
Title of Inspector: Chief Inspector
Inspector Name: Junior Sample
Address: Anywhere
Anywhere, Texas 77777

Phone Number: 123-456-7890
Email Address: junior@csi.com
License Number: CI0000011
License Type: TCEQ - CSI License

Location Information

Property Type: Commercial
Business Name: Dental Office
Property Address: 19220 E Main St #300
Anywhere, TX 77000

Contact Information

Company Name: Dental Office
Contact Name: Manager
Mailing Address: 19220 E Main St #300
Anywhere, TX 77000
Phone Number: 777-777-7777
Email Address: smiles@dentaloffice.com

Inspection Results

Reason for Inspection: Existing service where contaminant hazards are suspected

Inspection Date: 9/16/2024 2:40 PM

I, Junior Sample, upon inspection of the private water distribution facilities connected to the aforementioned public water supply do hereby certify that, to the best of my knowledge:

Compliance Non-compliance

1. No direct or indirect connection between the public drinking water supply and a potential source of contamination exists. Potential sources of contamination are isolated from the public water system by an air gap or an appropriate backflow prevention assembly in accordance with Commission regulations.
2. No cross-connection between the public drinking water supply and a private water system exists. Where an actual air gap is not maintained between the public water supply and a private water supply, an approved reduced pressure principle backflow prevention assembly is properly installed.
3. No connection exists which would allow the return of water used for condensing, cooling or industrial processes back to the public water supply.
4. No pipe or pipe fitting which contains more than 8.0% lead exists in private water distribution facilities installed on or after July 1, 1988 and prior to January 4, 2014.
5. Plumbing installed on or after January 4, 2014 bears the expected labeling indicating =0.25% lead content. If not properly labeled, please provide written comment.
6. No solder or flux which contains more than 0.2% lead exists in private water distribution facilities installed on or after July 1, 1988.



I further certify that the following materials were used in the installation of the private water distribution facilities:

Service Lines: ☐ Lead ☒ Copper ☐ PVC ☐ Other
Solder: ☐ Lead ☒ Lead Free ☐ Solvent Weld ☐ Other

☒ I recognize that this document shall be retained by the aforementioned Public Water System for a minimum of ten years and that I am legally responsible for the validity of the information I have provided.

Remarks

Dark Room office has an AT-2000 film processor unit that needs an air gap or install appropriate backflow prevention assembly. It is recommended that a Reduced Pressure Assembly (RP) be installed if an air gap is not provided to equipment.

Envirotrax

Account Overview

Account Settings

CSI Management

Backflow Management

Sample City

Logout

CSI Search

General Search Criteria

Account Number:

Has Remarks:

Any result

Inspection History:

Latest inspection only

Payment Status:

Paid

Inspection Pass/Fail:

Any result

Date To Search:

Any date range

Site Has Assembly Records:

Any result

Inspector Criteria

Inspector License Number:

Inspector Company Name:

Inspector Contact Name:

Location / Property Criteria

Property Type:

All Property Types

Property Business Name:

Property Address:

Street #:

Street Name:

Suite/Apt #:

ZIP:

Contact / Mailing Criteria

Company Name:

Contact Name:

Mailing Address:

Street #:

Street Name:

Suite/Apt #:

ZIP:

Search

Light Theme

Dark Theme

Site Links

» Home

» Management Programs

» Services

» About us

» Privacy policy

Our Management Programs

» Backflow - Cross Connection Management

» CSI Site Inspections

» FOG Inspection & Waste Disosal

» W.I.S.E. Guys Irrigation Evaluations

© Copyright Vepo LLC. All Rights Reserved

