



<http://epa.ohio.gov/ddagw/HAB.aspx>

Public Water System Harmful Algal Bloom Response Strategy

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The strategy was developed as a collaborative effort between Ohio EPA, the Ohio Department of Natural Resources and Ohio Department of Health. This document focuses on responding to harmful algal blooms on public water supply source waters.

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DEFINITIONS

Anatoxin-a: A nerve toxin produced by a number of cyanobacteria.

Biovolume: Volume estimated by associating phytoplankton with similar geometric forms and determining the volume of these by measuring the linear dimensions required for its calculation under the microscope (Vadrucci et al. 2007).

Blue-green algae: Common name for cyanobacteria, see definition below.

Cyanobacteria: Photosynthesizing bacteria, also called blue-green algae, which naturally occur in marine and fresh water ecosystems, and may produce cyanotoxins which at sufficiently high concentrations can pose a risk to public health.

Cyanotoxin: Toxin produced by cyanobacteria. These toxins include liver toxins, nerve toxins and skin toxins. Also sometimes referred to as “Algal toxin.”

Cylindrospermopsin: A liver toxin produced by a number of cyanobacteria.

ELISA (Enzyme-Linked Immunosorbent Assay): A rapid assessment method commonly used to detect microcystins, cylindrospermopsin and saxitoxin.

Finished drinking water: Treated water ready for human consumption.

HAB (Harmful Algal Bloom): A concentration of cyanobacteria that discolors the water, or a cell count greater than 4,000 cells/ml of cyanobacteria genera capable of cyanotoxin production (Shambaugh and Brines, 2003). Accumulations of cyanobacteria cells may be present at the water surface, at a defined depth, or throughout the water column.

Microcystins: Liver toxins produced by a number of cyanobacteria. Total microcystins are the sum of all the variants/congeners (forms) of the cyanotoxin microcystin.

Photic zone: The uppermost layer in a body of water into which light penetrates in sufficient amounts to influence living organisms, especially by permitting photosynthesis.

Phytoplankton: free-floating photosynthesizing microscopic organisms that inhabit almost all bodies of water, and include cyanobacteria, diatoms, green algae and dinoflagellates.

qPCR: Quantitative polymerase chain reaction. Molecular technique for quantifying the presence of specific genetic material (DNA) in a sample.

Saxitoxins: Nerve toxins produced by a number of cyanobacteria.

Scum: A cyanobacteria bloom that has a dense surface accumulation of cyanobacteria cells.

Source water: Water used as a source for public drinking water.

Vicinity of intake: Area where there is a likelihood of contaminants being drawn into the intake (within 500 yards of the intake).

1. INTRODUCTION

1.1 Purpose

The purpose of the *Public Water System Harmful Algal Bloom Response Strategy* is to protect people from cyanotoxins produced by cyanobacteria that may be in sources of drinking water at concentrations that can affect human health. The strategy identifies cyanotoxin levels that will be used to make use advisory decisions. It also provides monitoring guidelines and sampling protocols, identifies acceptable analytical methods, and recommends contingency planning for public water systems. The strategy complements the Harmful Algal Bloom (HAB) rules included in Chapter 3745-90 of the Ohio Administrative Code (OAC) and amended rules in Chapter 3745-89 of the OAC (laboratory certification).

A separate procedure for responding to harmful algal blooms on recreational waters, *The State of Ohio Harmful Algal Bloom Response Strategy For Recreational Waters*, is available online at: www.ohioalgaefinfo.com.

1.2 Cyanobacteria Causes of Concern

Cyanobacteria can produce a variety of cyanotoxins which can cause illness and death in humans and animals. These cyanotoxins include liver toxins, nerve toxins, and skin toxins. Some of the more common cyanotoxins detected in Ohio waters include microcystins and saxitoxin. Cylindrospermopsin and anatoxin-a have also been detected, but much less frequently. The Ohio Departments of Health and Agriculture have received reports of probable human illness and dog deaths associated with exposure to cyanotoxins in Ohio. Symptoms of cyanotoxin exposure include nausea, skin rashes, gastro-intestinal distress, disorientation, numbness and fatigue. Many of these health symptoms can mimic other illnesses and diseases and therefore may not be readily recognized by the medical community or the public. Due to the potency of these cyanotoxins and no known antidotes, it is recommended that public health and other regulatory agencies take a conservative approach to limit human exposure to these cyanotoxins.

In addition to cyanotoxin production, cyanobacteria can cause other problems for public water systems. For example, excess organic load is a concern because chlorination of organic material can result in the production of disinfection byproducts (DBPs), including total trihalomethanes (TTHMs) and haloacetic acids (HAAs), which are carcinogens. Many cyanobacteria also produce the taste and odor compounds Geosmin and 2-Methylisoborneol (MIB) that affect drinking water palatability.

1.3 Cyanobacteria Blooms

Cyanobacteria are naturally occurring microorganisms that are found in most bodies of water. Under favorable conditions (nutrient availability, light, and sometimes warmer temperatures) cyanobacteria can multiply and create a bloom that may be visible to the naked eye.

Cyanobacteria blooms generally occur in eutrophic or hypereutrophic water bodies. These are water bodies that receive excess nutrients, particularly nitrogen and phosphorus, that stimulate excessive plant growth.

Cyanobacteria blooms may vary in species composition and cyanotoxin production over time and within a water body. The distributions of cyanobacteria populations are affected by weather, hydrology and morphology. They may be distributed evenly throughout a lake, or may be irregularly distributed because of currents and/or prevailing winds. Hydrologic changes resulting from heavy rains or the discharge from a stream resulting in localized currents can significantly affect cyanobacteria population distributions. Areas like shallow bays, coves, sites directly affected by nutrient-rich inflows, or structures that affect flow (e.g., dikes, piers, or intake towers) can affect population growth rates and cyanobacteria distribution.

Cyanobacteria can be found at the water surface (scums), at a particular depth (e.g. *Planktothrix rubescens*), or can occur throughout the water column (e.g. *Planktothrix* spp., *Cylindrospermopsis* spp.). Strong winds, rainfall, currents, and lake turnover can all mix a surface algal bloom throughout the water column. Winds can also concentrate a surface algal bloom in calm leeward (downwind) areas such as a bay, cove, beach, or inlet. Some cyanobacteria are also capable of buoyancy regulation, and during calm non-mixed conditions can move vertically throughout the water column based on light and nutrient availability. These various factors, that can move a visible surface algal bloom below the surface or to a different portion of the lake or river, are important to understand because the absence of a surface algal bloom does not necessarily indicate an algal bloom is not present. If a surface algal bloom has dissipated, the bloom may not have senesced (died), but could have just moved to another area of the lake or mixed below the lake surface within the water column. In addition, some cyanobacteria cannot form surface scums, so surface accumulations should not be relied on as the only indicator that an algal bloom is present.

Color is not necessarily a good way to distinguish cyanobacteria from green algae or suspended sediment. Cyanobacteria can appear in many colors that include brown and green.

Cylindrospermopsis spp. blooms are generally brown and appear like suspended sediment. Other blooms are green and are mistaken for green algae. It is important for public water systems to be familiar with their source waters and recognize changes that may be associated with a cyanobacteria bloom. The best way to know for sure if cyanobacteria are present is through sampling.

Cyanotoxins can be found within cyanobacteria cells or as free toxins in the water. Cyanotoxin production is cyanobacteria strain specific, and many of these organisms can produce one or several different types of cyanotoxins. Some cyanotoxins are comprised of multiple variants or congeners. Potential health affects are not known for all variants. Cyanotoxins are colorless and may persist in the water after a cyanobacteria bloom is gone. Cyanotoxins may degrade over time in the environment by bacterial action and sunlight.

1.4 History of Strategy Development and Cyanotoxin Occurrence

Ohio became aware of HAB development in Ohio's lakes when the Ohio EPA participated in the U.S. EPA National Lakes Assessment. This survey included sampling for the cyanotoxin microcystins. In April 2009, the results of the 2007 National Lakes Assessment were released, showing that more than 36% of the 19 randomly selected Ohio lakes sampled had detectable levels of microcystins. This spurred development of a HAB response program to ensure public awareness and safety. The initial State of Ohio HAB Response Strategy was finalized in 2011. In 2012, the Ohio HAB Response Strategy was separated into a recreation strategy and a public water system (PWS) strategy, to better distinguish the response at beaches and water supplies and clarify roles and expectations.

Since Ohio EPA began regularly sampling in 2010, microcystins have continued to be present in many of the water bodies used as sources of drinking water. Microcystins concentrations typically peak in August and September, although maximum concentrations have been detected as early as May and as late as November. Some source waters experience microcystins year round. Cylindrospermopsin, saxitoxins, and anatoxin-a are detected less frequently than microcystins.

In 2015, Ohio Senate Bill 1 passed, which directed Ohio EPA to protect against cyanobacteria in the western basin of Lake Erie and in public water supplies. This prompted the development of rules which became effective on June 1, 2016.

The State of Ohio continues to refine its HAB response strategy to provide a consistent and timely response to HABs in public water system source waters and help ensure treatment technologies are effective at cyanotoxin removal. The state of the science of HABs and their related cyanotoxins is evolving, and Ohio EPA will continue to update these guidelines as appropriate.

1.5 Additional Information

Additional information about harmful algal blooms can be found at www.ohioalgaeinfo.com. Information specific for public water system operators can be found at www.epa.ohio.gov/ddagw/HAB.aspx.

2. CYANOTOXIN TOXICITY THRESHOLDS

2.1 Introduction

This section describes human health advisory levels for cyanotoxins in drinking waters. In 2011, representatives from Ohio EPA, ODH and ODNR cooperatively developed cyanotoxin thresholds for microcystins, cylindrospermopsin, saxitoxins, and anatoxin-a that were adopted by the respective agency Directors. In May 2015, U.S. EPA released tiered health advisory levels for microcystins and cylindrospermopsin. Ohio has adopted the recommended U.S. EPA health advisory concentrations for microcystins and cylindrospermopsin, retained the threshold Ohio had previously established for anatoxin-a, and revised the thresholds for saxitoxins to be consistent with U.S. EPA's tiered approach and other state thresholds. The microcystins drinking water thresholds have also been formally adopted into Chapter 3745-90-02 of the Ohio Administrative Code (OAC) as action levels.

2.2 Numerical Cyanotoxin Thresholds for Drinking Waters

Prior to developing cyanotoxin thresholds in 2011, the multi-agency committee considered numerous risk assessment frameworks, exposure assumptions, and toxicity values from state, national, and primary literature sources. The committee established "do not drink" thresholds based on the best scientific information, guidance, and public policy available at the time. However, the committee recognized that, as the science and policy evolve, it will likely become necessary to reevaluate the thresholds. Additionally, the committee agreed the thresholds would be protective of human exposures. It is unknown if the thresholds are protective of animals such as dogs or livestock. The committee also established recreational "no contact" (renamed "Elevated Recreational Public Health Advisory" in 2016) thresholds for anatoxin-a, cylindrospermopsin, microcystins and saxitoxins that are the basis for the "do not use" drinking water thresholds presented in this document.

In 2015, U.S. EPA developed national drinking water health advisory guidelines for microcystins and cylindrospermopsin. These new numbers were established after review of available toxicological information and were subjected to independent peer review. Ohio will continue to apply the recreational "Elevated Public Health Advisory" concentrations as "do not use" drinking water thresholds.

Table 1. Ohio Numerical Cyanotoxin Thresholds for Drinking Water

Drinking Water Thresholds	Microcystins** (µg/L)	Anatoxin-a (µg/L)	Cylindrospermopsin (µg/L)	Saxitoxins*** (µg/L)
Do Not Drink – children under 6 and sensitive populations	0.3	20	0.7	0.3
Do Not Drink – children 6 and older and adults	1.6	20	3.0	1.6
Do Not Use*	20	300	20	3

* The Drinking Water ‘Do Not Use’ thresholds are based on the Elevated Recreational Public Health Advisory thresholds.

**The microcystins threshold are intended to be applied to total concentrations of all reported congeners/variants of microcystins.

***The saxitoxins threshold is intended to be applied to total concentrations of all reported saxitoxin variants and will be calculated using saxitoxin toxicity equivalency factors.

The U.S. EPA health advisories for microcystins and cylindrospermopsin indicate that pregnant women, nursing mothers, those receiving dialysis treatment, the elderly and immune-compromised individuals may be more susceptible than the general population, and recommends these individuals may want to consider following the recommendations for children under 6. In order to be protective, Ohio has included pregnant women, nursing mothers, those receiving dialysis treatment in the ‘Do Not Drink’ category for children. Ohio has also added those with pre-existing liver conditions to the ‘Do Not Drink’ category for children for the microcystins and cylindrospermopsin advisories only. Ohio concurs with the recommendation that elderly and immune-compromised individuals may want to consider following the recommendations for children.

The Food and Drug Administration (FDA), U.S. EPA, and the European Food Safety Authority utilize toxicity equivalency factors (TEFs) when calculating saxitoxins exposure in seafood. The TEFs are based on research on the acute toxicity of saxitoxin analogues following interperitoneal administration in mice. The established TEFs are: STX = 1, NeoSTX = 1, GTX1 = 1, GTX2 = 0.4, GTX3 = 0.6, GTX4 = 0.7, GTX5 = 0.1, GTX6 = 0.1, C2 = 0.1, C4 = 0.1, dc-STX = 1, dc-NeoSTX = 0.4, dc GTX2 = 0.2, GTX3 = 0.4, and 11-hydroxy-STX = 0.3. Ohio EPA will utilize the established TEFs to determine if a saxitoxins threshold has been exceeded. If a saxitoxin variant is detected that does not have an established TEF, it will be assigned a TEF of 1. ELISA

analysis for total saxitoxins may be utilized for ongoing sampling after an initial threshold exceedance.

2.3 Basis for Microcystins and Cylindrospermopsin Thresholds

U.S. EPA's national health advisories for microcystins and cylindrospermopsin were established for a short-term (10 day) exposure. While based on a 10 day exposure, U.S. EPA guidance recommends that public water systems take action as soon as possible if a threshold is exceeded. This means, based on specific circumstances, a public water system may have some limited time to adjust treatment or take other actions to prevent exposures prior to issuing an advisory. More information on the basis for the health advisories is available at:

<http://www2.epa.gov/sites/production/files/2015-06/documents/microcystins-report-2015.pdf>

2.4 Basis for Anatoxin-a and Saxitoxins Thresholds

Toxicity values for anatoxin-a and saxitoxins are referred to as either “reference doses (RfDs)” or “tolerable daily intakes (TDIs)”. Either one is intended to represent a “safe” dose for humans, below which no toxic effect is to be expected. The values are expressed in milligrams per kilogram body weight per day (mg/kg-day). Both RfDs and TDIs include uncertainty factors of between 10 and 1000, depending on the number, variety, and quality of the available studies. The value for saxitoxins was derived based on available reports of acute intoxications in humans following ingestion of seafood containing saxitoxins (500 person epidemiology study). The value for anatoxin-a was based on a subchronic exposure study.

More details on how the State of Ohio established thresholds for anatoxin-a and saxitoxins are provided in Appendix C.

3. MONITORING STRATEGY

3.1 Microcystins Monitoring and Cyanobacteria Screening

Routine microcystins monitoring and cyanobacteria screening are required to be conducted by all surface water PWSs under Ohio Administrative Code (OAC) Rule 3745-90-03. The analytical methods and reporting requirements are described in OAC Rule 3745-90-04.

The cyanobacteria screening required under OAC Rule 3745-90-03 utilizes a molecular quantitative polymerase chain reaction (qPCR) testing method to identify and quantify the presence of cyanobacteria in a water sample (16s gene) and the presence of toxin-production genes: microcystins- mcyE gene, cylindrospermopsin- cyrA gene, and saxitoxin- sxtA gene. Molecular screening methods can distinguish between strains of cyanobacteria that are capable of toxin-production from those that are not. This gives molecular methods an advantage over microscopic identification of cyanobacteria. Until at least June 1, 2017 Ohio EPA's laboratory will analyze all cyanobacteria screening samples collected under OAC Rule 3745-90-03 at no cost to water systems. Ohio EPA will use this data to help target response sampling for cylindrospermopsin and saxitoxins.

3.2 Cylindrospermopsin and Saxitoxins Sampling

Ohio EPA will review all cyanobacteria screening data and conduct follow-up analysis for cylindrospermopsin and sampling for saxitoxins if the cylindrospermopsin or saxitoxin production genes are detected. As more information becomes available on the relationship between gene detection and cyanotoxin detection, Ohio EPA may be able to establish cyanotoxin sampling triggers (i.e., only conduct cyanotoxin response sampling if >X number of gene copies/ml are detected). Ohio EPA will conduct the sampling and analysis unless the water system is conducting sampling and analysis in accordance with this strategy.

For cylindrospermopsin gene detections, Ohio EPA's Division of Environmental Services (DES) will further analyze the cyanobacteria screening sample for cylindrospermopsin. If cylindrospermopsin is detected, Ohio EPA will conduct follow-up raw and finished water monitoring no later than the Wednesday of the week following the cylindrospermopsin detection. If cylindrospermopsin is not detected in the cyanobacteria screening raw water sample, no further sampling is needed.

Since a saxitoxins sample cannot be pulled from the same container as the cyanobacteria screening sample (due to sample preservation requirements specific to saxitoxins), follow-up raw and finished water saxitoxins sampling will occur no later than the Wednesday of the week following the saxitoxin production gene detection. A paired cyanobacteria screening qPCR sample will be collected at the same time as the saxitoxins sample. Saxitoxins sampling vials will be staged at the water system so repeat raw and finished water saxitoxins samples can be submitted with the next regularly scheduled cyanobacteria screening sample.

If cyanotoxins are not detected in the initial sampling described above, Ohio EPA will review the screening results from the next sampling event and use that information to decide if ongoing cyanotoxin sampling is necessary. As a preliminary guide, if cyanotoxin production gene copies have not increased by more than 25% since the prior sampling event, additional response sampling may not be necessary. If the number of cyanotoxin production gene copies increases in the next routine cyanobacteria screening sample by more than 25%, Ohio EPA will analyze the sample (in the case of cylindrospermopsin) or collect another raw and finished water sample for saxitoxins analysis.

If cylindrospermopsin or saxitoxins are detected at greater than 50% of the thresholds (See Section 2.2) in raw water, cyanotoxin sampling and analysis will continue in the raw and finished water weekly until cyanotoxins are less than 50% of the cyanotoxin thresholds in two consecutive weekly sampling events in raw water and cyanotoxins are not detected in the finished water. If treatment has been proven to be consistently effective at cyanotoxin removal, Ohio EPA may consider decreasing sampling and/or analysis frequency.

If cylindrospermopsin or saxitoxins are detected in the finished water at concentrations less than 50% of the thresholds, sampling frequency will increase to two times a week. If concentrations stabilize or decrease, a reduction to weekly sampling may be possible. If saxitoxins or cylindrospermopsin are detected in the finished water at greater than 50% of the thresholds, sampling frequency will increase to daily. Daily sampling will continue until concentrations decrease to less than 50% of the threshold in two consecutive days of sampling or conditions stabilize below the threshold. At that point, sampling can decrease to two times per week. A further reduction to weekly sampling may be possible if concentrations are less than 50% of the threshold and stabilize or trend down.

The response protocol for responding to finished water detections at concentrations above thresholds is presented in Section 4.

3.2.1 Analytical Methods for Cylindrospermopsin and Saxitoxins

This section describes the analytical methods Ohio EPA will utilize. Ohio EPA will continue to evaluate new analytical methods and refine this strategy based on the best information available.

Public water systems conducting their own monitoring are requested to submit the results of analyses to Ohio EPA. If the PWS uses an accepted quantitative analysis method listed below, follows recommended sample handling and preservation procedures, and submits the results to Ohio EPA in a timely manner, then Ohio EPA may elect to not duplicate sampling.

Cylindrospermopsin

Ohio EPA utilizes the ELISA method for the detection of cylindrospermopsin. The Ohio EPA Division of Environmental Services developed an SOP that outlines sample collection and handling procedures and quality assurance measures for the ELISA cylindrospermopsin method. Ohio EPA will conduct additional analysis using a LC-MS/MS method following any ELISA finished water cylindrospermopsin detections that are greater than 50% of the cylindrospermopsin threshold.

Saxitoxins

Ohio EPA utilizes the ELISA method for the detection of saxitoxins. The Ohio EPA Division of Environmental Services developed an SOP that outlines sample collection and handling procedures and quality assurance measures for the ELISA saxitoxins method. Saxitoxin is comprised of multiple variants, but unlike microcystins, the ELISA method used to detect it is not capable of detecting total saxitoxins. The saxitoxins ELISA method is not based on detection of a structure common to all saxitoxin variants, and may underreport total saxitoxins. Therefore, Ohio EPA will conduct additional analysis using an alternate LC-MS/MS method for detection of saxitoxin variants following an initial ELISA finished water saxitoxins detection.

3.3 Anatoxin-a Sampling and Analytical Method

A commercial molecular screening tool for anatoxin-a is currently not available. Given the low historic anatoxin-a occurrence in Ohio, Ohio EPA will limit sampling to the following circumstances: 1. At the request of a public water system in response to a HAB on a source water that is capable of producing anatoxin-a (based on phytoplankton identification and enumeration) and 2. At the request of the Ohio Department of Health or a local health district in response to a potential animal death or human illness that could be linked to anatoxin-a. If a commercial anatoxin-a molecular screening tool becomes available, Ohio EPA will consider its use in the future.

Ohio EPA is utilizing a LC-MS/MS method for detection of anatoxin-a. U.S. EPA Method 545 has been developed for the quantitation of anatoxin-a in finished water. Additional LC-MS/MS methods can detect anatoxin-a and at least six of the anatoxin-a variants in both finished and source water samples.

3.4 Posting Data to Ohio EPA Website

The data from raw and finished water cyanotoxin samples collected by Ohio EPA or collected by PWSs in accordance with OAC Rule 3745-90-03 will be posted on Ohio EPA's website: <http://www.epa.ohio.gov/ddagw/HAB.aspx>. Data from additional voluntary raw and finished water sampling reported to Ohio EPA by the PWS will also be posted on Ohio EPA's website.

3.5 Ohio EPA Coordination with Public Water Systems

Ohio EPA DDAGW district office staff will be the primary points of contact for communication with public water systems to provide technical assistance, collect status updates, screening or sampling results and to collect samples. They will also provide results of Ohio EPA sampling back to the PWS. Staff in the Central Office HAB Unit will provide additional assistance, as needed.

4. RESPONSE TO FINISHED WATER THRESHOLD EXCEEDANCES

This section outlines the steps that will be taken in response to a finished water saxitoxins, cylindrospermopsin or anatoxin-a detection above an Ohio threshold. The responses to microcystins action level exceedances are detailed in OAC Rules 3745-90-03, 3745-90-05, and 3745-90-06. This response protocol is written assuming Ohio EPA will conduct all cyanotoxin analyses, with the exception of microcystins analysis, which is covered under rule. If a water system conducts their own analysis using an accepted method outlined in Sections 3.2.1 and 3.3, they may choose to conduct their own resample and repeat sample analysis (steps 1 and 2) as outlined below. Ohio EPA should still be notified immediately of any finished water detections above thresholds. If information is shared in a timely manner, Ohio EPA may not duplicate analysis.

4.1 Sampling

If cylindrospermopsin, saxitoxins, or anatoxin-a are detected in the finished water above the thresholds (Section 2.2), the following steps will be taken:

1. **Resample.** A set of samples (one finished and one raw) will be collected by Ohio EPA within 24 hours of being informed of the initial sample results and transported to Ohio EPA's Division of Environmental Services (or an Ohio EPA designated laboratory) for analysis. If the result of the resample sample is above the threshold in finished water, the PWS should notify all consecutive water systems as soon as practical and within three hours after receiving the resample sample result.
 - a. Treatment Train Sampling - Treatment train samples may also be collected to provide additional information on how to best optimize for cyanotoxin destruction/removal.
 - b. Raw Water Analysis - The raw water resample will be analyzed for both intracellular and extracellular cyanotoxins, to help guide treatment optimization.
2. **Repeat.** A second set of samples (one finished and one raw) will be collected within 24 hours of collecting the resample and delivered to Ohio EPA's Division of Environmental Services (or an Ohio EPA designated laboratory) for analysis.
 - a. Distribution sampling - If cyanotoxins are detected in the finished water resample, the public water system should immediately coordinate with Ohio EPA concerning collection and analysis of samples within the distribution system and at any satellite systems. If cyanotoxins are not detected above Ohio EPA thresholds within all the portions of the distribution system or at satellite system locations, the water system may be able to isolate unimpacted areas of the

distribution and limit the extent of a drinking water advisory. Water systems are requested to address distribution modeling and sampling in their contingency plans and identify appropriate sampling locations in advance, as outlined in Section 7 of this document.

Ongoing sampling by Ohio EPA will be dependent on the results of the finished water samples, as follows:

- If cyanotoxins are not detected above the reporting limit in the finished water resample and repeat sample, sampling frequency will decrease to weekly.
- If cylindrospermopsin or saxitoxins are detected in the finished water at concentrations less than 50% of the thresholds, sampling frequency will decrease to two times a week. If concentrations stabilize or decrease, a reduction to weekly sampling may be possible.
- If cylindrospermopsin or saxitoxins are detected in the finished water at greater than 50% of the thresholds, daily sampling will continue until concentrations decrease to less than 50% of the threshold in two consecutive days of sampling or conditions stabilize below the threshold. At that point, sampling can decrease to two times per week. A further reduction to weekly sampling may be possible if concentrations are less than 50% of the threshold and stabilize or trend down.
- If cyanotoxins are detected in the finished water samples at concentrations above Ohio EPA thresholds, daily sampling and analysis will continue until cyanotoxins are no longer detected at concentrations greater than 50% of the threshold in the finished water in two consecutive sampling events. Distribution sampling will also be conducted as outlined under Step 2. Sampling frequency can then decrease, depending on results of distribution samples, cyanotoxin concentrations in the raw water, status of treatment, and other factors.

4.2 Applicable Regulations and Guidelines

Ohio Revised Code § 6109.12: Public Water System Analysis

Ohio Administrative Code (OAC) rule 3745-81-32: Public Notification

Ohio EPA policy WQ-07-002: Tier 1 Public Notification Requirements

4.3 Drinking Water Use Advisories and Public Notification

The decision to issue a drinking water use advisory will be based upon detections of a cyanotoxin above the health advisories or thresholds in finished water. While the health

advisories for microcystins and cylindrospermopsin are ten day values, public water systems need to take actions to protect the public from exposures as soon as practicable.

Ohio EPA will recommend the public water system issue a public notification, including health effects language and use restrictions, if health advisory levels continue to be exceeded in the repeat sample results.

Ohio EPA will evaluate a variety of site specific factors to determine if a public notice should be issued earlier, after the resample results indicate a threshold exceedance, or if conditions are such that the issuance can be delayed until additional actions can be taken and additional repeat sample results are available. The following factors will be considered by Ohio EPA when deciding the timing of public notification:

- What type of cyanotoxin is present?
- When was the last finished water sample collected that was non-detect for cyanotoxins?
- How high are the cyanotoxin concentrations detected? Higher concentration may warrant at least an advisory for sensitive populations.
- Does the PWS have enhanced cyanotoxin treatment capability or an alternative source of water?
- What are the current raw water cyanotoxin concentrations? Are there indications raw water conditions are improving?

In limited circumstances, based on the factors described above, the recommendation to issue an advisory may be delayed until additional daily sampling results are available. The delay would provide additional time for the water system to optimize treatment, yet still be protective of public health given the 10-day health advisory for cylindrospermopsin and subchronic exposure assumptions for anatoxin-a. Informing the public of current conditions and efforts underway would still be conducted.

4.3.1 Public Notice Procedure

Public notification for Total Microcystins will be conducted in accordance with the provisions contained in OAC rule 3745-90-06. Public notification for all other toxins should be conducted in accordance with the provisions contained in OAC rule 3745-81-32. Any public notification that needs to be modified from the guidelines and templates presented in Appendix A will be coordinated with ODH.

If public notification is recommended, Ohio EPA will call the PWS to discuss issuing an immediate Tier 1 public notice informing all customers of the situation. A public notice

template will be provided containing the appropriate health effects language and use restrictions.

If the public water system does not issue public notification as recommended, Ohio EPA may issue a drinking water use advisory in accordance with Ohio Revised Code section 6109.06, or may require the public water system to issue public notification under the authority of OAC rule 3745-81-32.

The use drinking water restrictions may be modified, based on sampling results and other factors, after consultation with the director. For example, a decrease in finished water cyanotoxin concentrations could warrant transitioning from an advisory for the entire population to a more limited advisory for children pre-school age and younger. This change will require additional public notification.

4.3.2 Limiting Extent of Public Notice

The geographic area under public notification may be limited based on distribution sample results and provisions described in the system's written contingency plan (in accordance with OAC Rule 3745-85), , after consultation with the director. Distribution sampling results may also be a consideration when modifying use restrictions or lifting the advisory.

4.3.3 Public Notice Templates

Six public notice templates are included in Appendix A:

- “drinking water warnings” for exceeding the saxitoxins and cylindrospermopsin preschool age children and younger exposure thresholds;
- “do not drink” advisories for exceeding the saxitoxins and cylindrospermopsin school age children and adult thresholds; and
- “do not use” advisory language for saxitoxins and cylindrospermopsin.

4.3.4 Alternative Water Supply

In the event a public notification is required with use restrictions for any population, the public water system is requested to provide a supply of alternate emergency water for their consumers.

4.3.5 Lifting the Advisory

The PWS may end issuance of public notification when the cyanotoxin levels are below the drinking water thresholds in two consecutive sampling events collected a minimum of

24 hours apart and after consultation with the director on distribution monitoring, raw water quality, treatment optimization, and other extenuating factors.

4.3.6 Consumer Confidence Report

As a baseline public notification measure, community public water systems are requested to reference finished water cylindrospermopsin, saxitoxins, and anatoxin-a detections above the threshold levels in the annual Consumer Confidence Report, with the exception of the results of field screening tests.

5. SOURCE WATER SURVEILLANCE AND RESERVOIR MANAGEMENT

Waters used as a source of public drinking water will be under increased observation for HABs through direct surveillance by public water system personnel, HAB reports submitted via Ohio EPA's website, NOAA satellite imagery and analysis, and water quality surveys conducted by Ohio EPA and other state or local organizations. Water systems are encouraged to conduct routine phytoplankton identification on their source waters and collect other raw water screening information to help manage their source water for HABs, provide an early warning for HAB impacts, and know when to optimize treatment for cyanotoxin removal.

5.1 PWS Surveillance

Public water systems should be aware that some raw water quality and operational changes can indicate a potential HAB impact. Potential indicators include pH increases, phycocyanin or chlorophyll a increases, elevated turbidity not associated with a rain event, shortened filter run times, increased chlorine demand, taste and odor (Geosmin or MIB) events, a shift in phytoplankton community (increase in cyanobacteria or cyanobacteria dominance), presence of cyanotoxin production genes, or cyanotoxin detections.

It is beyond the scope of this document to provide guidance on the collection of screening data or establishing a source water monitoring program. More information is available in the *USGS Lake Monitoring Field Manual* available at: www.glsc.usgs.gov/sites/default/files/product_files/InlandLakesManual.pdf

5.2 HAB Report via Ohio EPA Website

Public water systems are requested to notify the district or central office HAB coordinator of a bloom occurring on a drinking water source water. Contact information is included in Appendix G. Ohio EPA can provide assistance on bloom response and reservoir management.

Individuals reporting HABs are requested to fill out the Bloom Report Form on Ohio EPA's HAB website and e-mail the form, with attached digital photographs if available, to Ohio EPA's HAB Mailbox (HABMailbox@epa.ohio.gov). All HAB reports and HAB data (cyanotoxin and phytoplankton data, and photographs) will be entered into a data repository housed at Ohio EPA.

Ohio EPA will share all third party reports of blooms on public water supply source waters with the affected public water system.

5.3 HAB Remote Sensing Surveillance

Ohio EPA will review NOAA HAB reports and MODIS/OCLI satellite and NASA hyperspectral overflight data. Ohio EPA will share reports of moderate to severe blooms with the affected

public water supply. Ohio EPA is available to provide guidance on reservoir management and treatment optimization in response to a new or expanding HAB.

5.4 Ohio EPA Water Quality Surveys

Ohio EPA collects water quality data as part of its inland lakes program and other monitoring programs. This data may be useful to water systems interested in starting a reservoir monitoring program or developing reservoir management strategies. Ohio EPA will provide results of any cyanotoxin detections on PWS source waters directly to the PWS.

5.5 Other Data Sources

Ohio EPA has reached out to other organizations, such as the Ohio Lakes Management Society, U.S. Army Corps of Engineers, USGS, U.S. EPA, and various state universities to request they share HAB information with Ohio EPA in a timely manner. All pertinent data will be assessed and shared with affected public water systems.

5.6 Assessing Bloom severity

Public water systems can use all of the available screening data to help characterize a bloom as severe, moderate or minor. It may be necessary to make an initial assessment based on visual evidence, which can then be refined as additional information is collected. Guidance on the visual appearance of cyanobacteria blooms versus other green algae blooms, including a picture gallery of blooms, is available on Ohio EPA's ***PWS HAB website***. Since a severe cyanobacteria bloom may not form a surface scum, in the absence of any additional data, a visible bloom should be regarded as severe until additional data is collected. The following guidelines will help water system's characterize the severity of a bloom:

- Severe bloom (meets any of the following):
 - cyanobacteria cell count (or phycocyanin equivalents*) > 100,000 cells/mL
 - qPCR 16S results > 100,000 gene copies/ml
 - biovolume > 10 mm³/L
 - chlorophyll a** > 50 µg/L
 - scum or surface accumulation is present and/or significant concentration of cells are visible throughout the water column
 - presence of cyanotoxins, as indicated by test kit or laboratory analyses
 - presense of cyanotoxin production genes
- Moderate bloom (meets any of the following):
 - cyanobacteria cell count (or phycocyanin equivalents*) 10,000-100,000 cells/mL
 - qPCR 16S results 10,000-100,000 gene copies/ml
 - biovolume 1-10 mm³/L
 - chlorophyll a** 5-50 µg/L

- bloom is visible throughout the water column
- Minor bloom (meets any of the following):
 - cyanobacteria cell count (or phycocyanin equivalents*) 4,000-<10,000 cells/mL
 - biovolume 0.4-<1 mm³/L
 - chlorophyll a** 2-<5 µg/L
 - some visual evidence of a bloom (note: blooms may not be visually apparent at the lake surface)

*Phycocyanin is a pigment unique to cyanobacteria. Sensors are available which measure the presence of this pigment and report relative cyanobacteria concentrations in cells/ml.

**Chlorophyll a values are based on quantitative in vitro analysis. Semi-quantitative in vivo chlorophyll a readings can also be used if they have been corrected for turbidity effects. Real-time in vivo chlorophyll a analysis is also helpful if a water system is primarily interested in relative changes in chlorophyll concentrations over time, but not as concerned with the precise chlorophyll a concentration.

In some situations a severe bloom may be present but not visually evident. This can be the case with cyanotoxin-producing *Planktothrix rubescens* blooms that can occur at significant depth in the water column and not be visible at the water surface and with *Cylindrospermopsis* blooms that can resemble turbid brownish-green water. These blooms do not appear like the more typical blue or green colored scum-forming cyanobacteria blooms and can pose a monitoring challenge.

Ohio EPA recommends that public water systems conduct routine phytoplankton/algae analysis (community composition and dominance) of their source waters. This information can help water systems to better assess the potential threat of cyanotoxins and provide the information needed to help optimize their treatment to address cyanotoxins and other potential algae-related issues (taste and odor concerns, disinfection byproduct formation, filter clogging, etc.). The information can also be used to guide source water management practices, including algaecide application. Phycocyanin and other sensors positioned in the source water (intake structure, wet well, etc.) can also provide extremely valuable real-time information that can be used to trigger treatment optimization for HABs.

5.7 Reservoir Management

U.S. EPA developed a list of reservoir management strategies and associated benefits and limitations associated with each strategy. The guidance is available here: <https://www.epa.gov/nutrient-policy-data/control-and-treatment>.

It is beyond the scope of this guidance to discuss all relevant reservoir management strategies, but algaecides are so commonly used they warrant mention. Algaecides (including copper sulfate

and peroxide formulations), when applied to a drinking water source under controlled conditions, can effectively control the growth of algae and cyanobacteria. Water systems are required to submit a Notice of Intent (NOI) to Ohio EPA Division of Surface Water and obtain coverage under the pesticide general permit prior to applying algaecide to a source of drinking water. Before applying an algaecide, it is important to closely read the pesticide label and be fully aware of both the environmental impact and practical problems with its use. Water systems must also follow the conditions outlined in the pesticide general permit. Treatment should be applied at the early stages of a bloom when cyanobacteria cell counts are low (<10,000 cells/ml) because: 1) this is when the potential for cyanotoxin release is not probable or low, 2) if the treatment is applied at the early stages of a bloom, then the toxic compounds if released into the water can be removed effectively during the treatment processes, and 3) to eliminate or reduce the future severity of the bloom. To keep the algae under control for extended periods of time, the algaecide applications should be performed at specific intervals based upon the pesticide label.

The pesticide general permit prohibits algaecide application to severe blooms (>100,000 cells/ml) or any scums that are within 500 yards of the intake or cover greater than 20% of the reservoir, unless information is provided to Ohio EPA prior to algaecide application that confirms: the bloom is not currently producing cyanotoxins, or the surface water will not be used as a source of drinking water until monitoring can confirm cyanotoxins are below levels of concern, or the water system has demonstrated that treatment is capable of removing high concentrations of cyanotoxins. Please contact Ohio EPA prior to applying algaecide to a source water currently in use that has a severe bloom or a visible bloom of unknown severity. More information is available in the Ohio EPA algaecide application fact sheet, available here: <http://epa.ohio.gov/Portals/28/documents/HABs/Publications/AlgaecideApplicationFactSheet.pdf>.

6. HAB SAMPLING PROTOCOL

This sampling protocol outlines how to collect HAB samples at public water systems source waters, finished waters, and at treatment train sampling locations.

Generally, cyanobacteria screening, phytoplankton, and cyanotoxin samples will be collected by public water systems or Ohio EPA. Other sample collectors, such as lake managers, ODNR, ODH, Local Health Districts, Army Corps of Engineers, universities, and volunteers, are requested to also use this guidance so that collection methodology is consistent.

6.1 Safety Precautions

Safety must come first when sampling for cyanotoxins. Gloves should be worn when sampling HABs (shoulder length if collecting source water samples at depth). Chest waders should also be worn if collecting a cyanotoxin sample when wading off the shore to protect skin from contact with cyanotoxins. A personal floatation device should be worn if sampling from a boat or wading into swift water. Avoid inhaling spray or getting spray in eyes from boats, wind, or irrigation water from areas with harmful algal blooms. Consider wearing eye protection and a mask if conditions exist that promote aerolization of cyanotoxins, to prevent exposure.

Do not ingest or allow the water to come in contact with the skin. Always wash hands with clean, fresh water after sampling and do not touch hands to mouth, eyes, open cuts or other exposed areas of the body before washing. All equipment, gloves, and waders should be rinsed with clean (tap or bottled) water (not lake water) after a sampling event.

Ohio EPA staff should follow the guidelines in the agency's **Safety Standard Operating Procedure SP 16-5** (*Safety and Health Requirements for Sampling Waters Where Known Harmful Algal Blooms (HABs) are Present and/or When Sampling Waters for HABs*).

For molecular screening, phytoplankton sampling and cyanotoxin sampling at public water systems, the recommended supplies include:

- Plastic disposable gloves
- For microcystins or cylindrospermopsin sampling : 125 ml PETG or 100 ml glass containers
- For cyanobacteria screening: 250 ml PETG container
- For phytoplankton sampling: lab-approved containers and Lugol's iodine or preservative specified by the laboratory processing samples
- For saxitoxins sampling: 40 ml glass vials from Ohio EPA Division of Environmental Services (DES), pre-dosed with preservative for saxitoxins collection
- Cooler with wet ice
- Waterproof permanent marker (for writing on sample containers, pre-printed labels are also acceptable)
- Large trash bags and twist ties (to contain ice in cooler)

- Chain of Custody Report and Sample Submission Forms (See Appendix D)
 - FedEx, UPS, or U.S. Cargo shipping labels (if shipping)
 - Digital camera to record appearance of bloom, if available
 - If collecting raw water or scum samples directly from water source these additional supplies may be necessary:
 - Elbow length or shoulder-length gloves (to protect skin from dermal toxin irritation if sampling at depth)
 - Goggles (if wind is aerosolizing water droplets)
 - Respirator (if wind is aerosolizing water droplets)
 - Plastic knee boots, hip waders, or chest waders (if collecting samples requires wading off shore)
 - Personal flotation device (PFD) (if collecting samples requires wading off shore)
- If appropriate protective sampling gear is not available, the sampler should avoid contact with the source water and only collect samples from the raw and finished water plant taps.

6.2 Sample Collection

6.2.1 Label Information

Label the collection containers with a waterproof marker or attach a label to the outside of the container and mark with a waterproof marker. Include the following information:

Site Name

Date

Time (please use military time)

Preservative (if applicable)

If using Ohio EPA pre-printed labels, you will still need to write the date and time sample was collected on the label using a waterproof marker. If using glass containers with paper labels, fill out the label and then cover it with clear plastic tape. This will prevent the label from coming off once the container is placed on ice.

6.2.2 Cyanotoxin Samples

Collect one sample from the raw water tap or designated raw water sampling point and one sample from finished water at the entry point to the distribution system. Raw water samples must be collected prior to chemical addition. Public water systems should work with their Ohio EPA district HAB coordinator if they would like to request an alternate sampling location, post chemical addition.

Microcystins and cylindrospermopsin samples must be collected in clean 125 ml PETG or 100 ml glass containers. Saxitoxins samples must be collected in 40 ml pre-preserved glass vials provided by Ohio EPA. **Finished water samples and any treatment train samples that have already been subjected to an oxidant MUST be quenched with**

sodium thiosulfate immediately upon collection (sodium thiosulfate tablets may also be placed in vial prior to collecting samples). The 40 ml, 100 ml and 125 ml containers should be preserved with one 10 mg sodium thiosulfate tablet. Immediately put all cyanotoxin samples in a dark cooler on wet ice or ice packs.

If a sample will not arrive for processing at the laboratory within 5 days, the sample must be frozen in a standard freezer until it is processed. If freezing saxitoxins samples, the sample should first be mixed by repeatedly inverting the sample vial and then half the sample volume should be decanted and disposed of prior to freezing (to avoid breaking glass vial). Saxitoxins vials should be placed longwise in the freezer (not upright).

6.2.3 Cyanobacteria Screening Samples

Use a clean 250 ml PETG container to collect one sample from the raw water tap. Raw water samples should be collected prior to chemical addition. Water systems should work with their Ohio EPA district HAB coordinator if they would like to request an alternate sampling location post chemical addition. Instructions for collecting cyanobacteria screening samples is available at

http://epa.ohio.gov/Portals/28/documents/habs/qPCR%20Sample%20Collection%20Procedure_Final.pdf.

6.2.4 Phytoplankton Samples

Public water systems are encouraged to collect routine phytoplankton samples within their source waters. If a bloom is observed, the water system should consider collecting samples from the scum or biomass in the areas where the bloom is concentrated using a clean lab-approved container. The densest bloom may be near the surface or at a different depth. If the bloom is not at a distinct location, but diffuse throughout the water column, consider using a composite sampler that includes collection from a range of depths. If collecting a scum, collect a sample from the scum-water surface interface. The goal is to collect live cells that have not been lysed (the top of scum –often colored blue or white– is usually dead cells that may be difficult to identify).

Phytoplankton samples should be collected in a clean glass, plastic, or other laboratory approved container. The sampler should contact the lab that will be analyzing the samples for further instruction on containers, sample volume, and preservation guidance. Ideally, samples should be preserved at the time of collection with Lugol's iodine solution at a ratio of 1:100. To achieve a 1:100 ratio add approximately 1 ml of Lugol's solution per 100 ml of sample. Final preserved sample color should be similar to that of weak tea. Samples should be kept on wet ice and in the dark during transport. Ship for overnight delivery to the laboratory. If samples are shipped immediately after collection on wet ice, sample preservation with Lugol's iodine may not be necessary (consult lab conducting

analysis). Do not freeze the phytoplankton sample - doing so will make identification difficult.

6.2.5 QA/QC

Ohio EPA will use quality assurance/quality control procedures that meet quality objectives for HAB sampling. As part of these procedures, Ohio EPA recommends collecting and analyzing one field duplicate sample for every 20 samples collected.

6.3 Cyanotoxin Processing (Lysing) Instructions

At the laboratory, total cyanotoxins (free extracellular cyanotoxins and intracellular cyanotoxins stored within cyanobacteria cells) shall be determined for public water system sample analysis. Samples should be processed to ensure all algal cells are lysed. The preferred method for sample preparation is at least three freeze/thaw cycles.

6.4 Paperwork

6.4.1 Samples Submitted to Ohio EPA for Analysis

Public water systems should use the combined chain of custody and sample submission form provided to them by Ohio EPA. Instructions for completing the form are included in Appendix D. Place the paperwork in zip top bags and seal each bag. Place the paperwork on top of the samples and ice in the cooler.

Other entities submitting samples to Ohio EPA must first contact the DES sample receiver to arrange delivery. Samples submitted to Ohio EPA must include a Chain of Custody Report and one Sample Submission Form for each sample location (see attached templates in Appendix D). Place the paperwork in zip top bags and seal each bag. Place the paperwork on top of the samples and ice in the cooler.

6.4.2 Samples Submitted to Alternate Labs

Please follow the instructions provided by the lab conducting the analysis. At a minimum, Ohio EPA recommends that a chain of custody be included with all samples shipped to a lab for analysis. A list of laboratories currently accepted for Total Microcystin Testing by the Ohio EPA is available at <http://epa.ohio.gov/Portals/28/documents/labcert/TotalMicrocystins.pdf>.

6.5 Shipping

Wet ice sealed in plastic bags should be used to ensure samples arrive at the lab at the proper temperature. Ice packs are often not sufficient to maintain temperature, especially during warmer

months. The sample container should be sealed with three continuous circle of tape to help avoid melting ice leaking out of the container during shipment.

6.5.1 Shipping Samples to Ohio EPA's Division of Environmental Services (Laboratory)

Routine Cyanobacteria Screening Samples

Public Water Systems must ship cyanobacteria screening samples overnight on ice to Ohio EPA's lab (DES). Samples must be received by noon on the day following sample collection and can only be received on Monday through Thursday. Samples may also be hand delivered to the lab on the same day as collection Monday through Thursday.

Cyanotoxin and Other Samples Collected by Ohio EPA

Ohio EPA staff should plan weekly sampling early in the week and ship overnight for next day delivery by 14:00 so samples can be properly processed and results will be ready by the weekend. Samples can be received by DES Monday through Thursday. If Friday delivery is required, DES may not be able to analyze the sample until the following week. Contact the DES Sample Coordinator at (614) 644-4243 and indicate how many samples will be collected and when they will be delivered to DES prior to sampling.

If samples will not arrive at DES within that timeframe, samples may need to be frozen to preserve the cyanotoxin until they are shipped to DES the following week (depending on holding time). The exception is for resample or repeat sampling following cyanotoxin detections in finished water or source water conditions that warrant rush sampling. The PWS HAB coordinator will coordinate with DES following any finished water cyanotoxin detections to ensure the laboratory has capacity to analyze samples over the weekend or holiday, if necessary.

6.5.2 Shipping to Alternate Labs

Contact the appropriate laboratory prior to shipping samples. Include any paperwork required by the receiving laboratory. Make sure that all compliance sampling data is submitted to Ohio EPA via eDWR. Voluntary public water systems sampling data can also be reported to eDWR using the "special purpose" code.

7. TREATMENT CONSIDERATIONS

There are a variety of resources available to help public water systems understand which treatment processes are effective at cyanotoxin destruction or removal and how to optimize a treatment plant to deal with cyanotoxins. Ohio EPA partnered with the Ohio Section of AWWA to develop a white paper on cyanotoxin treatment. The white paper covers microcystins, saxitoxins, cylindrospermopsin, and anatoxin-a treatment. It is available here: <http://epa.ohio.gov/portals/28/documents/HAB/AlgalToxinTreatmentWhitePaper.pdf>.

Ohio EPA also developed a guidance document on how to develop a cyanotoxin treatment optimization protocol. That guidance is available here: <http://epa.ohio.gov/ddagw/HAB.aspx>. Cyanotoxin general plan guidance is under development and will be posted at the same location.

8. CONTINGENCY PLANNING

Ohio EPA requests public water systems work with Ohio EPA, their local emergency management agency, and local health departments to develop a coordinated response to cyanotoxin detections in finished water at concentrations above Ohio's drinking water thresholds. A detailed response protocol must be included in the contingency plans of those PWSs which Ohio EPA has deemed susceptible to a harmful algal bloom. On May 5, 2015, susceptible systems were notified by letter of the need to update their contingency plans to include a coordinated response to cyanotoxin detections in finished water above Ohio's drinking water thresholds. All other PWSs with a surface water source are requested to include a detailed response protocol in their contingency plan. For more information regarding contingency plan requirements and public notification please refer to OAC Rules 3745-85-01 and 3745-81-32, respectively. Items the water system must address in their contingency plan include a communication strategy, including 24 hour emergency contacts, identification of critical users/possible susceptible populations, and considerations for water restrictions at satellite systems. A complete list of the items a public water system should address are contained in the checklist in Appendix E.

Public water systems will be expected to address the need for distribution sampling for cyanotoxins in their contingency plan. The goal of distribution sampling is to potentially isolate portions of the distribution system and limit the extent of an advisory. The sampling points for cyanotoxin sampling may coincide with existing sampling points for total coliform. Public water systems need to ensure the sampling points are accessible at any hour and day of the week. These points need to include interconnections with other public water systems, input and output from finished water storage and areas of the distribution systems served by different sources. Public water systems will also need to contact the local emergency management agency to make sure each party's preparations do not conflict. Items to review include alternate sources of water; distribution of water; and communications with the public and other agencies. The contingency plan must be reviewed and updated at least annually, or more frequently as needed, for current information on critical water users, consecutive water systems, alternate sources of water and contacts for state and local agencies.

**APPENDIX A -
EARLY MESSAGING AND PUBLIC NOTICE TEMPLATES**

FOR RELEASE: DRAFT

CONTACT: Heidi Griesmer, (614) 644-2160

[XX Water System or Ohio EPA] Detects Microcystin in XXX Water System

Drinking water samples analyzed by [XXX public water system and/or Ohio EPA] show microcystin, a compound produced by blue-green algae, has been detected in the finished drinking water from [XXX public water system]. At this time, there are no restrictions on water use.

U.S. EPA has established national health advisory levels for microcystin based on drinking water for 10 days. [XXX water system] is adjusting its treatment processes (*this may need to be modified based on water system capability*) to reduce microcystin levels. Ohio EPA and the water system continue sampling to assess water quality at the plant and throughout the distribution system.

If the microcystin levels remain elevated, [the state/XXX community] may consider issuing an advisory for some or all of the population served by the [XX water system].

Citizens with questions should contact [XX water system] at [XXXnumber].

-30-

www.epa.ohio.gov

The Ohio Environmental Protection Agency was created in 1972 to consolidate efforts to protect and improve air quality, water quality and waste management in Ohio. Since then, air pollutants dropped by as much as 90 percent; large rivers meeting standards improved from 21 percent to 89 percent; and hundreds of polluting, open dumps were replaced with engineered landfills and an increased emphasis on waste reduction and recycling.

DRINKING WATER WARNING

Saxitoxin is present in [name] water system

Saxitoxin, a compound produced by blue-green algae, has been detected in the finished drinking water from [name] water system. A sample collected on [date] shows saxitoxin at [level] micrograms/liter ($\mu\text{g/L}$). The Ohio Environmental Protection Agency recommends that children under six, including bottle fed infants, and sensitive populations do not drink the water at saxitoxin levels above 0.3 $\mu\text{g/L}$.

What should I do?

- **THE FOLLOWING INDIVIDUALS SHOULD NOT DRINK THE WATER: Bottle-fed infants and children younger than school age, pregnant women, nursing mothers and those receiving dialysis treatments. These individuals may be more susceptible than the general population to the health effects of microcystins. Alternative water should be used for drinking, making infant formula, making ice, brushing teeth, and preparing food.**
- **As a precautionary measure, the elderly and immune-compromised individuals may want to consider using an alternate water source for drinking, making ice, brushing teeth and preparing food.**
- **School-age children and adults not in the categories listed above may drink the water.** Healthy school age children and adults may use the water for all uses including bathing, washing hands, washing dishes and doing laundry. The water may be used for flushing toilets.
- Bottle fed infants and children younger than school age must be supervised while bathing to prevent accidental ingestion of water. Providing a final rinse of skin with uncontaminated water is recommended for people with open wounds or skin conditions such as eczema.
- **Do not boil the water.** Boiling the water will not destroy microcystin and it may become more concentrated as a result of boiling.
- Consuming water containing microcystin at the detected level may result in abnormal liver function, diarrhea, vomiting, nausea, numbness or dizziness in this population. Seek medical attention if your child is experiencing any of these symptoms.
- Contact a veterinarian immediately if pets or livestock show signs of illness.

What happened? What is being done?

[Lake / name of water source], which is a source of drinking water for the [drinking water system] is experiencing a harmful algal bloom (HAB).

XXX water system is making adjustments to its treatment processes (*this may need to be modified based on water system capability*) to help reduce saxitoxin levels. We are working closely with local and state public health and emergency response agencies to address and resolve the situation. We will keep you informed as the situation is resolved.

For more information, please contact _____ at _____.
Additional information about harmful algal blooms can be found at www.ohioalgaeinfo.com.

Please share this information with anyone who drinks this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

PWSID#: _____ STUID#: _____ Date distributed: _____

DRINKING WATER WARNING

Saxitoxin is present in [name] water system

DO NOT DRINK THE WATER

Saxitoxin, a compound produced by blue-green algae, has been detected in the finished drinking water from [name] water system. A sample collected on [date] shows saxitoxin at [level] micrograms/liter (µg/L). The Ohio Environmental Protection Agency recommends that you do not drink the water at saxitoxin levels above 1.6 µg/L.

What should I do?

- **DO NOT DRINK THE WATER. Alternative water should be used for drinking, making infant formula, making ice, brushing teeth, and preparing food.**
- Healthy adults may use the water for bathing, washing hands, washing dishes and doing laundry. The water may be used for flushing toilets.
- Bottle fed infants and children younger than school age must be supervised while bathing to prevent accidental ingestion of water. Providing a final rinse of skin with uncontaminated water is recommended for people with open wounds or skin conditions such as eczema.
- **Do not boil the water.** Boiling the water will not destroy saxitoxin.
- Consuming water containing saxitoxin may result in numbness or tingling around the mouth, numbness spreading to arms and hands, headache, dizziness, a floating sensation, muscle soreness, muscle weakness, difficulty breathing, paralysis, nausea or vomiting. Seek medical attention if you are experiencing any of these symptoms.
- Pets should not drink the water. Contact a veterinarian immediately if pets or livestock show signs of illness.

What happened? What is being done?

[Lake / name of water source], which is a source of drinking water for the [drinking water system] is experiencing a harmful algal bloom (HAB).

XXX water system is making adjustments to its treatment processes (*this may need to be modified based on water system capability*) to help reduce saxitoxin levels. We are working closely with local and state public health and emergency response agencies to address and resolve the situation. We will keep you informed as the situation is resolved.

For more information, please contact _____ at _____.
Additional information about harmful algal blooms can be found at **www.ohioalgaeinfo.com**.

Please share this information with anyone who drinks this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

PWSID#: _____ STUID#: _____ Date distributed: _____

DRINKING WATER WARNING

Saxitoxin is present in [name] water system

DO NOT USE THE WATER

Saxitoxin, a compound produced by blue-green algae, has been detected in the finished drinking water from [name] water system. A sample collected on [date] shows saxitoxin at [level] micrograms/liter ($\mu\text{g/L}$). The Ohio Environmental Protection Agency recommends that you do not use the water at saxitoxin levels above 3 $\mu\text{g/L}$.

What should I do?

- **DO NOT USE THE WATER.** Alternative water should be used for drinking (including pets), making infant formula, making ice, brushing teeth, preparing food, bathing/showering, washing hands, washing dishes or doing laundry. If an alternate source of water is not available for washing dishes or doing laundry, providing a final rinse with uncontaminated water is recommended. If people or pets come into contact with water, promptly shower or rinse off in uncontaminated water. Skin irritation, such as a rash may occur from exposure when bathing and washing hands.
- **DO NOT BOIL THE WATER.** Boiling the water will not destroy saxitoxin.
- You may use the water for flushing toilets.
- Consuming water containing saxitoxin may result in numbness or tingling around the mouth, numbness spreading to arms and hands, headache, dizziness, a floating sensation, muscle soreness, muscle weakness, difficulty breathing, paralysis, nausea or vomiting. Seek medical attention if you are experiencing any of these symptoms.

What happened? What is being done?

Lake / name of water source], which is a source of drinking water for the [public water system], is experiencing a harmful algal bloom (HAB).

XXX water system is making adjustments to its treatment processes (*this may need to be modified based on water system capability*) to help reduce saxitoxin levels. We are working closely with local and state public health and emergency response agencies to address and resolve the situation. We will keep you informed as the situation is resolved.

For more information, please contact _____ at _____.
Additional information about harmful algal blooms can be found at www.ohioalgaeinfo.com.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

PWSID#: _____ STUID#: _____ Date distributed: _____

DRINKING WATER WARNING

Cylindrospermopsin is present in [name] water system

Cylindrospermopsin, a compound produced by blue-green algae, has been detected in the finished drinking water from [name] water system. A sample collected on [date] shows cylindrospermopsin at [level] micrograms/liter ($\mu\text{g/L}$). U.S. EPA has established a national health advisory level for bottle-fed infants and children younger than school age based on drinking water for 10 days. The Ohio Environmental Protection Agency recommends that bottle-fed infants and children younger than school age do not drink the water at cylindrospermopsin levels above 0.7 $\mu\text{g/L}$.

What should I do?

- **THE FOLLOWING INDIVIDUALS SHOULD NOT DRINK THE WATER: Bottle-fed infants and children younger than school age, pregnant women, nursing mothers, those with pre-existing liver or kidney conditions and those receiving dialysis treatment. These individuals may be more susceptible than the general population to the health effects of cylindrospermopsin. Alternative water should be used for drinking, making infant formula, making ice, brushing teeth, and preparing food.**
- **As a precautionary measure, the elderly and immune-compromised individuals may want to consider using an alternate water source for drinking, making ice, brushing teeth and preparing food.**
- **School-age children and adults not in the categories listed above may drink the water.** Healthy school age children and adults may use the water for all uses including bathing, washing hands, washing dishes and doing laundry. The water may be used for flushing toilets.
- Bottle fed infants and children younger than school age must be supervised while bathing to prevent accidental ingestion of water. Providing a final rinse of skin with uncontaminated water is recommended for people with open wounds or skin conditions such as eczema.
- **Do not boil the water.** Boiling the water will not remove cylindrospermopsin.
- Consuming water containing cylindrospermopsin at the detected level may result in abdominal pain, fever, vomiting, diarrhea or impaired liver or kidney function ~~dizziness~~ in this population. Seek medical attention if your child is experiencing any of these symptoms.
- Contact a veterinarian immediately if pets or livestock show signs of illness.

What happened? What is being done?

[Lake / name of water source], which is a source of drinking water for the [drinking water system] is experiencing a harmful algal bloom (HAB).

XXX water system is making adjustments to its treatment processes (*this may need to be modified based on water system capability*) to help reduce cylindrospermopsin levels. We are working closely with local and state public health and emergency response agencies to address and resolve the situation. We will keep you informed as the situation is resolved.

For more information, please contact _____ at _____.
Additional information about harmful algal blooms can be found at www.ohioalgaefinfo.com.

Please share this information anyone who drinks this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools and

businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

PWSID#: _____ STUID#: _____ Date distributed: _____

DRINKING WATER WARNING

Cylindrospermopsin is present in [name] water system

DO NOT DRINK THE WATER

Cylindrospermopsin, a compound produced by blue-green algae, has been detected in the finished drinking water from [name] water system. A sample collected on [date] shows cylindrospermopsin at [level] micrograms/liter ($\mu\text{g/L}$). U.S. EPA has established a national health advisory level based on drinking water for 10 days. The Ohio Environmental Protection Agency recommends that you do not drink the water at cylindrospermopsin levels above 3.0 $\mu\text{g/L}$.

What should I do?

- **DO NOT DRINK THE WATER. Alternative water should be used for drinking, making infant formula, making ice, brushing teeth, and preparing food.**
- Healthy adults may use the water for bathing, washing hands, washing dishes and doing laundry. The water may be used for flushing toilets.
- Bottle fed infants and children younger than school age must be supervised while bathing to prevent accidental ingestion of water. Providing a final rinse of skin with uncontaminated water is recommended for people with open wounds or skin conditions such as eczema.
- **Do not boil the water.** Boiling the water will not remove cylindrospermopsin.
- Consuming water containing cylindrospermopsin at the detected level may result in abdominal pain, fever, vomiting, diarrhea, or impaired liver or kidney function. Seek medical attention if your child is experiencing any of these symptoms.
-
- Pets should not drink the water. Contact a veterinarian immediately if pets or livestock show signs of illness.

What happened? What is being done?

[Lake / name of water source], which is a source of drinking water for the [drinking water system] is experiencing a harmful algal bloom (HAB).

XXX water system is making adjustments to its treatment processes (*this may need to be modified based on water system capability*) to help reduce cylindrospermopsin levels. We are working closely with local and state public health and emergency response agencies to address and resolve the situation. We will keep you informed as the situation is resolved.

For more information, please contact _____ at _____.
Additional information about harmful algal blooms can be found at www.ohioalgaefinfo.com.

Please share this information with anyone who drinks this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

PWSID#: _____ STUID#: _____ Date distributed: _____

DRINKING WATER WARNING

Cylindrospermopsin is present in [name] water system

DO NOT USE THE WATER

Cylindrospermopsin, a compound produced by blue-green algae, has been detected in the finished drinking water from [name] water system. A sample collected on [date] shows microcystin at [level] micrograms/liter ($\mu\text{g/L}$). The Ohio Environmental Protection Agency recommends that you do not use the water at cylindrospermopsin levels above 20 $\mu\text{g/L}$.

What should I do?

- **DO NOT USE THE WATER. Alternative water should be used for drinking (including pets), making infant formula, making ice, brushing teeth, preparing food, bathing/showering, washing hands, washing dishes or doing laundry.** If an alternate source of water is not available for washing dishes or doing laundry, providing a final rinse with uncontaminated water is recommended. If people or pets come into contact with water, promptly shower or rinse off in uncontaminated water. Skin irritation, such as a rash may occur from exposure when bathing and washing hands.
- **DO NOT BOIL THE WATER.** Boiling the water will not remove cylindrospermopsin.
- You may use the water for flushing toilets.
- Consuming water containing cylindrospermopsin may result in abnormal liver function, impaired kidney function diarrhea, vomiting, nausea, numbness or dizziness. Seek medical attention if you are experiencing any of these symptoms. Skin contact with contaminated water can cause irritation or rashes. Contact a veterinarian immediately if pets or livestock show signs of illness.

What happened? What is being done?

[Lake / name of water source], which is a source of drinking water for the [public water system], is experiencing a harmful algal bloom (HAB).

XXX water system is making adjustments to its treatment processes (*this may need to be modified based on water system capability*) to help reduce cylindrospermopsin levels. We are working closely with local and state public health and emergency response agencies to address and resolve the situation. We will keep you informed as the situation is resolved.

For more information, please contact _____ at _____.
Additional information about harmful algal blooms can be found at www.ohioalgaeinfo.com.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

PWSID#: _____ STUID#: _____ Date distributed: _____

**APPENDIX B -
CYANOBACTERIA AND THEIR ASSOCIATED
CYANOTOXINS AND TASTE AND ODOR COMPOUNDS**

Cyanobacterial Genera	Hepatotoxins		Neurotoxin		Tastes and Odors	
	CYLINDRO- SPERMOPSIN	MICROCYSTINS	ANATOXIN	SAXITOXINS	GEOSMIN	MIB
<i>Anabaena</i>	x	x	x	x	x	
<i>Anabaenopsis</i>		x				
<i>Aphanizomenon</i>	x		x	x	x	
<i>Aphanocapsa</i>		x				
<i>Cylindrospermopsis</i>	x			x		
<i>Fischerella</i>					x	
<i>Haplosiphon</i>		x				
<i>Hyella</i>					x	x
<i>Lyngbya (Plectonema)</i>	x			x	x	x
<i>Microcystis</i>		x				
<i>Nostoc</i>		x			x	x
<i>Oscillatoria (Planktothrix)</i>		x	x	x	x	x
<i>Phormidium</i>			x		x	x
<i>Pseudanabaena</i>		x				x
<i>Raphidiopsis</i>	x		x			
<i>Schizothrix</i>						
<i>Umezakia</i>	x					
<i>Synechococcus</i>		x			x	x
<i>Synechocystis</i>		x				

Information adapted from Jennifer Graham, USGS

**APPENDIX C -
BASIS FOR ANATOXIN-A AND SAXITOXIN THRESHOLDS**

Anatoxin-a

U.S. EPA's draft toxicological review of anatoxin-a from 2006 was used as the basis for the anatoxin-a threshold. Although the document was draft at the time of the threshold development, it contained the most recent, relevant, and well-reviewed studies available for anatoxin-a. Short-term and subchronic reference doses (RfDs) are given in the review. After considering both the short-term and subchronic RfDs, the committee decided to use the subchronic RfD to develop cyanotoxin thresholds. The committee's rationale for this decision was that the thresholds developed using the subchronic RfD were closest to the thresholds for anatoxin-a in use by other states and organizations (e.g., California, Washington). The subchronic RfD is from a 7 week rat drinking water study, and is 0.0005 mg/kg-day based on systemic toxicity, which includes an uncertainty factor of 1000. The uncertainty factor includes a factor of 10 for rat to human variability, 10 for variability among humans, and 10 for database deficiencies, including limitations within the study used as the basis for the RfD, lack of reproductive studies, and lack of toxicity testing in a second species.

Saxitoxins

Neither U.S. EPA nor World Health Organization (WHO) have issued an RfD or Tolerable Daily Intake (TDI) for saxitoxins. To develop a saxitoxins guideline, the committee reviewed information in the Report of the Joint FAO/IOC/WHO ad hoc Expert Consultation on Biotoxins in Bivalve Molluscs from 2004, as well as a peer-reviewed paper by Galvão et al. 2009 in the journal *Toxicon*, *Saxitoxins Accumulation in Freshwater Tilapia (*Oreochromis niloticus*) for Human Consumption*. The joint FAO/IOC/WHO report recommends an acute reference dose for saxitoxins of 0.0007 mg/kg-day, but does not establish a TDI. The report does not describe the toxicological basis for the recommended value.

Galvão (2009) states:

From available reports on exposure in humans, a lowest-observed-adverse-effect-level (LOAEL) in the region of 1.5 ug STXs/kg body weight (b.w.) could be set, and an estimated no-observed-adverse-effect-level (NOAEL) of 0.5 ug STXs/kg b.w. was established. Thus the CONTAM panel has defined an acute reference dose (ARfD) of 0.5 ug STXs/kg b.w.

The Galvão paper refers to a report in the European Food Safety Authority (EFSA), 2009, *Marine Biotoxins in Shellfish – Saxitoxin Group Scientific Opinion of the Panel on Contaminants in the Food Chain*.

Using the WHO and U.S. EPA method of applying an uncertainty factor to the NOAEL to derive an RfD or TDI, the committee agreed to apply an uncertainty factor of 100 to the NOAEL-based ARfD, 10 for human variability and 10 for a lack of chronic, developmental, and reproductive studies. In 2016 Ohio EPA consulted with the State of Oregon and reviewed the EFSA data and determined that the application of an uncertainty factor of 10 for human variability was not appropriate. This is because "No additional factor for variation among humans was deemed necessary because the data covered a large number of affected consumers, including sensitive individuals" (EFSA 2009). The factor of 10 for human variability was removed and the resulting value for use in calculating a saxitoxins threshold is 0.00005 mg/kg-day. To be consistent with the tiered health advisories established by U.S. EPA for microcystins and cylindrospermopsin and the saxitoxin thresholds established by the State of Oregon, tiered thresholds were established for both child and adult exposure. The thresholds were calculated based on the same assumptions used to calculate the microcystins and cylindrospermopsin health advisory concentrations.

Exposure Assumptions

Adults were assumed to have a body weight of 60 kg, based on exposure assumptions from WHO Guidelines for Safe Recreations Water Environments, Volume 1, 2003. Recreational ingestion of water was assumed to be

0.1 liters per event. Adults were assumed to drink 2 liters of water per day. Ingestion rates were taken from U.S. EPA's Exposure Factors Handbook.

Calculations

The basic calculation used in developing the saxitoxins and anatoxin-a thresholds is:

$$\text{Threshold} = \frac{\text{BW} \times \text{TDI or RfD}}{\text{IR}} * \text{CF}$$

Where:

BW = Body weight in kg

TDI = Tolerable Daily Intake in mg/kg-day

RfD = Reference Dose in mg/kg-day

IR = Ingestion Rate in L/day

CF = Conversion Factor, 1000 µg/mg

Threshold unit is µg/L

APPENDIX D - FORMS

Note:

If you are reporting a potential harmful algal bloom to the HAB coordinator and/or submitting phytoplankton and/or cyanotoxin samples to a laboratory for analysis, the HAB Report Form should be e-mailed to:

HABMailbox@epa.ohio.gov

The HAB Report Form may be accessed at: ***ohioalgaeinfo.com***

The Inorganic Sample Submission Form and the Laboratory Chain of Custody Report must both be completed and submitted with samples sent to Ohio EPA's Division of Environmental Services for processing. You can copy each form from this appendix and submit them with your samples.

Be sure to keep a copy for yourself.

Bloom Report Form

Please provide information about the potential blue-green algae bloom observed. Information can be entered into this electronic form and saved on your computer using Word or Adobe Reader (version 9+).

Please save and email a completed copy of this form to HABmailbox@epa.state.oh.us.

You are encouraged to include digital photographs as additional email attachments (close-up, and landscape showing extent and location of bloom).

If possible, consider including an image from an online mapping application such as Google, Bing or Yahoo Maps, with a marker at the bloom location. For more information go to the ohioalgaeinfo.com website.

Bloom Location:

Water body:	Date bloom observed: / /
County (optional):	Drinking water source? Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/>
Publicly Owned Lake? Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/>	Attached map with bloom location noted (e.g. Google Map image)? Yes <input type="checkbox"/> No <input type="checkbox"/>
	Digital photos attached? Yes <input type="checkbox"/> No <input type="checkbox"/>

Report Completed By:

Name:	Organization:
Title:	Phone: () - ext. Email:

Bloom Description and Sampling Information:

Please describe the location of the bloom in the water body (e.g. center of lake, at the boat dock, at the beach):

Do you notice any colors in the water column? Yes ☐ No ☐

Please check any colors you see, or describe the color(s) below: Green ☐ Blue ☐ Red ☐ Rust ☐ Brown ☐ Milky White ☐ Purple ☐ Black ☐

Please estimate the size (sq. feet) or the extent of bloom:

Can you see a surface scum (an accumulation at the surface) or algae floating near the water surface?

Algae floating at the surface can look like grass clippings, green cottage cheese curds, or spilled paint. Yes ☐ No ☐ Uncertain ☐

Is the bloom near a public beach? If yes, please specify the beach name or location below. Yes ☐ No ☐ Unknown ☐

Is the bloom near a drinking water intake? (Specify water system name if known) Yes ☐ No ☐ Unknown ☐

Were samples taken? Yes ☐ No ☐

If yes, what type of samples; when and where were they collected; and where were they sent for analysis?

Do you know if other water quality information is available? (Specify what data is available and where) Yes ☐ No ☐



Inorganic Sample Submission Form

EXAMPLE
(fill in *)

DES Use Only

Sample #

MM DD YY

Date Received

Sample Information

(Instructions on Intranet Site)

Parameters

Client (Bill to)

Project Identity

(project identity requires prior approval)

No Folder ☐

Division (check one)

DAPC
DDAGW
DERR
DMWM
DSW
ODNR

Other

OEPA District (check one)

CO
CDO
NEDO
NWDO
SEDO
SWDO
ODNR

Other

Sample Type (check one)

Ambient
Complaint
Compliance
Litigation
Survey
Raw
Plant
Distribution

Other

Matrix (check one)

Air Filter
Air Filter Composit
Drinking water
Ground water
Sediment
Surface water
Waste water
Reagent Water

Other

Collection Date

Grab
(or)
Composite

MM DD YY HH MM
Begin
End

Frequency & Duration of

Composite Sample:

Qty.	Type	Pres.
	Air Filter	N/P
	Bacteria	Sterile
	Cubitainer	NaOH
	Cubitainer	HNO ₃
	Cubitainer	HNO ₃ Filt
	Cubitainer	H ₂ SO ₄
	Cubitainer	H ₂ SO ₄ Filt
	Cubitainer	N/P
	Cubitainer	N/P Filt
	Cubitainer	Frozen/HAB
	Cubitainer	Lugol's
	Jar	H ₂ SO ₄ /Phenol
	Jar	H ₂ SO ₄ /O&G
	Jar	N/P Filt/LLP
	Jar	H ₂ SO ₄ /LLTP
	Sed	N/P
	Vial	Buffer/STX

Field QC (Check one)

Field Duplicate
Field/Equip/Acid Blank
MSD

Collected By

Customer ID #

Station ID #

County:

Sample Location

* sitename must match
container or vial

Template

Demand

- ☐ % Solids, Sed only
- ☐ BOD-20 day
- ☐ BOD-5 day
- ☐ CBOD-20 day
- ☐ CBOD-5 day
- ☐ Oil&Grease
- ☐ Particle Size (PSD)
- ☐ pH
- ☐ Solids, Diss(filt)
- ☐ Solids, Susp(nonfilt)
- ☐ Solids, Total
- ☐ Solids, Total Volatile
- ☐ Solids, Volatile Suspended
- ☐ TOC

Microbiology

- ☐ E. coli
- ☐ Fecal Coliform
- ☐ Fecal Streptococcus
- ☐ MMO-MUG
- ☐ Quanti-tray
- ☐ Microcystins
- ☐ CYN
- ☐ STX
- ☐ Algal ID

Nutrients

- ☐ Acidity, Total CaCO₃
- ☐ Alkalinity, Total CaCO₃
- ☐ Ammonia
- ☐ Bicarbonate
- ☐ Chloride
- ☐ COD
- ☐ Conductivity
- ☐ Cyanide, Free (WAD)
- ☐ Cyanide, Total
- ☐ Fluoride
- ☐ Nitrite
- ☐ Nitrate+nitrite
- ☐ Orthophosphate, Dissolved
- ☐ LL Orthophosphate, Dissolved
- ☐ Phenolics, Total w/man dist.
- ☐ Phosphorus, Dissolved (Filt)
- ☐ Phosphorus, Total
- ☐ LL Phosphorus, Total
- ☐ Sulfate
- ☐ TKN

Misc.

- ☐ Turbidity
- ☐ Chlorophyll a (see instructions)
- ☐ Bromide (N/P)

Metals (Please select one ICP and one ICPMS package if needed)

- ☐ ICP 1, Water only (Al, Ba, Ca, Fe, Mg, Mn, Na, K, Sr, Zn, Hardness)
- ☐ ICP 2, Water only (Ca, Mg, Hardness)
- ☐ ICP 3, Sediment only (Al, Ba, Ca, Fe, Mg, Mn, Na, K, Sr, Zn)
- ☐ ICP 4, SW846 only (Al, Ba, Ca, Fe, Mg, Mn, Na, K, Sr, Zn, V, Ti, Hardness)
- ☐ ICP 5, SW846 SED only (Al, Ba, Ca, Fe, Mg, Mn, Na, K, Sr, Zn, V, Ti)
- ☐ ICP 6, Air Filters only (Zn, Mn)
- ☐ ICPMS 1, Water only (As, Cd, Cr, Cu, Ni, Pb, Se)
- ☐ ICPMS 2, Sediment only (As, Cd, Cr, Cu, Ni, Pb, Se)
- ☐ ICPMS 3, Air Filter only (As, Cd, Cr, Ni, Pb, Be)
- ☐ ICPMS 4, SW846 Water only (As, Be, Cd, Co, Cr, Cu, Ni, Pb, Se)
- ☐ ICPMS 5, SW846 Sediment only (As, Be, Cd, Co, Cr, Cu, Ni, Pb, Se)

Single element metals - please list only if NOT using Metals packages

- ☐ Antimony
- ☐ Beryllium
- ☐ Boron
- ☐ Cobalt
- ☐ Mercury
- ☐ Silver
- ☐ Thallium
- ☐ Tin
- ☐ Titanium
- ☐ Vanadium

☐ SW846 (Check this box if single elements require SW846 method)

The following require prior notification to DES before submittal:

- ☐ Chromium, Hexavalent (N/P Filt)

Other tests are available; please check current price list

Field Comments

*Info as needed

Lab Comments

Chlorine, mg/l P50060	Cond, umho/cm P294	DO, mg/l P299	ORP	Flow, cfs P61	Gage Ht, ft P65	pH, su P400	% Sat	Temp, °C P10	TDS	Corr. Cond, umho/cm P294
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Revised (3/14)

All Rush Samples require prior approval



Division of Environmental Services
Chemistry Laboratory Chain of Custody Report

Date Received (Lab use only) Year Month Day

--	--	--	--	--	--

Collected by * _____

Ohio EPA Districts ☐ NEDO ☐ SWDO ☐ CO ☐ Other
 ☐ SEDO ☐ NWDO ☐ CDO

Division ☐ DSW ☐ DERR ☐ DDAGW ☐ DSIWM ☐ DAPC ☐ Other

Laboratory Number(s) _____
(Lab use only) _____

Date of Grab Sample

Beginning and End Date
of Composite Sample

Y	Y	M	M	D	D

Location(s) _____

Q.C. - Field Samples # ☐ Trip Blank # ☐ Field Bank # ☐ Duplicate
(organics only)

Sample Type(s) ☐ Compliance ☐ Ambient ☐ Survey ☐ Complaint ☐ Possible Legal Action ☐ With Bioassay
 ☐ Organic(s)

Additional Information/Comments _____

Condition of Container of Transfer: _____ Locked or Tamper Proof _____ Unlocked or Not Tamper Proof _____ Initial
(Seal all containers)

Number of Samples (Containers/Sites) _____

Relinquished by _____
(must be collector*)

Received by _____

Relinquished by _____

Received by _____

Relinquished by _____

Received by _____

Relinquished by _____

Received by _____

MILITARY TIME

Year	Month	Day	Hour	Minute

EXAMPLE



Division of Environmental Services
Chemistry Laboratory Chain of Custody Report

(Fill in *)

Date Received (Lab use only)
Year Month Day

* Collected by * *

* Ohio EPA Districts ☐ NEDO ☐ SWDO ☐ CO ☐ Other
☐ SEDO ☐ NWDO ☐ CDO

* Division ☐ DSW ☐ DERR ☐ DDAGW ☐ DSIWM ☐ DAPC ☐ Other

Laboratory Number(s) (Lab use only)

* Date of Grab Sample

Beginning and End Date of Composite Sample

Y	Y	M	M	D	D

* Location(s)

* Q.C. - Field Samples
If needed

☐ Trip Blank (organics only)

☐ Field Blank

☐ Duplicate

* Sample Type(s) ☐ Compliance ☐ Ambient ☐ Survey ☐ Complaint ☐ Possible Legal Action ☐ With Bioassay
☐ Organic(s)

* Additional Information/Comments
If needed

* Condition of Container of Transfer: (Seal all containers)

* Locked or Tamper Proof

Unlocked or Not Tamper Proof

Initial

* Number of Samples (Containers/Sites)

MILITARY TIME

* Relinquished by * MUST MATCH
(must be collector)

Received by

Relinquished by

Received by

Relinquished by

Received by

Relinquished by


Received by

Year	Month	Day	Hour	Minute

Copy will be sent after sig

Instructions for completing qPCR/HAB Chain of Custody / Sample Submission Form

Public water systems should use the form provided by Ohio EPA with their site specific information.



hio
Ohio Environmental
Protection Agency


Chain of Custody (COC) / Sample Submission Form (SSF)
for use by Surface Water PWSs
Division of Environmental Services
8955 E Main Street - Building 22
Reynoldsburg, Ohio 43068

qPCR/HAB

To schedule samples, call (614) 644-4243

Client (Bill To):	DDAGW	Division/District:	NWDO
PWS Name:	BOWLING GREEN CITY	PWS ID:	OH8700311
Collector (Print Name):	1	Phone #:	2

Site Name Location	Station ID	Collection Date	Collection Time
1		3	4



* 8 7 5 9 0 3 - L T 2 0 0 1 *

8759903-LT2001

BOWLING GREEN CITY-TP-LT2001-Raw

# of Containers	Sample Type (Check one)	Raw	Plant	Distribution	SMP (EP00X, LT200X, D5000, etc.)	Date? (Y/N)	Sodium thiosulfate? (Y/N)	qPCR (screening)	Saxitoxin *	Microcystin *	Cylindrospermopsis *
5	6	7	8	9	10	11	12	13	14	15	16

LAB USE ONLY	Date Received:	Cooler Sealed?	DES Lab #
	MM/DD/YYYY	Y N	

a. Relinquished by (Signature):	Date	Time	Lab Comments:
11	14	15	
b. Relinquished by (Signature):	Date	Time	
12			
c. Relinquished by (Signature):	Date	Time	
13			
d. Relinquished by (Signature):	Date	Time	
14			
e. Relinquished by (Signature):	Date	Time	
15			
f. Relinquished by (Signature):	Date	Time	
16			
g. Relinquished by (Signature):	Date	Time	
17			
h. Relinquished by (Signature):	Date	Time	
18			

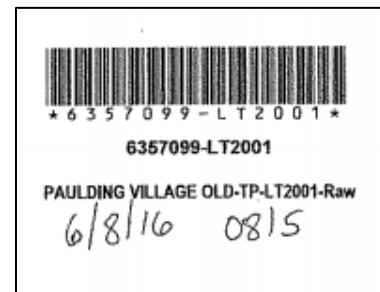
Sample Only - Do Not Use

Numbered instructions, below, refer to boxes indicated by **red numbers** on sample form:

1. Name of person collecting the sample.
2. Phone number of person who should be notified if sample must be re-submitted, e.g., due to breakage.

All information about all raw samples collected from the LT2 Sample Monitoring Point (SMP) will be captured in sample line #1. Information concerning finished water, plant process, or distribution samples will be captured in sample line 2, 3, or 4, as applicable.

3. Date sample was collected. Must match date written on bottle label.
4. Time sample was collected. Use military time. Must match time written on bottle label.
5. The number of containers collected/shipped from the LT2 raw location. For routine bi-weekly screening samples, fill in "1." If you are asked to collect additional samples (for saxitoxin analysis, for example), you may have additional raw containers.
6. For routine screening monitoring, place a check in the "Raw" box. If you are asked to collect finished water or distribution samples, place a check in the "Plant" or "Distribution" box, respectively (on sample line 2, 3, or 4, as applicable).
7. The Sample Monitoring Point (SMP) where the sample was collected. See your monitoring schedule to obtain the correct SMP. For routine bi-weekly screening samples, fill in "LT200X." If you are asked to collect finished water or distribution samples, fill in "EP00X" or "DS000," respectively (on sample line 2, 3, or 4, as applicable).
8. Fill in "Y" or "N" to indicate if the sample contains permanganate, chlorine, or other oxidant.
REMINDER: screening samples must be "true raw" samples. If you do not have a "true raw" monitoring location, contact your District Office HAB staff to discuss alternate sampling points.
9. Fill in "Y" or "N" to indicate if the sample contains sodium thiosulfate. **NOTE:** Sodium thiosulfate cannot be added to screening samples, even if the sample contains an oxidant, as it interferes with the analysis. All microcystins samples that contain an oxidant, e.g., finished water, distribution samples, and process locations after an oxidant feed point, must contain 10 mg sodium thiosulfate per 100 mL sample, added at the time the sample is collected.
10. Check the box(es) to indicate what analyses are requested. Check "qPCR (screening)" for screening samples. **NOTE:** analysis of saxitoxin, microcystins, and cylindrospermopsin by Ohio EPA's lab must be pre-approved by Ohio EPA HAB staff.



If samples from location(s) other than the LT2 SMP are approved by Ohio EPA HAB staff, provide information about these samples in sample lines 2, 3, or 4, as applicable.

11. Fill in the name of the sampling location. See the Station ID list for your PWS, provided by Ohio EPA.
12. Write in the Station ID for the sampling location. See the Station ID list for your PWS, provided by Ohio EPA.

When handing off your samples to shipping hub personnel or Ohio EPA staff, complete boxes 13 – 15. Receiving personnel should sign box 16 and fill in the date and time in your presence. If shipping samples independently, complete boxes 13 – 15 as you place samples in the cooler. Lab personnel will complete box 16 when the samples are unpacked at the lab. Box 17 and subsequent chain of custody boxes b, c, and d will be completed as needed for samples that pass through multiple handlers.

**APPENDIX E -
CONTINGENCY PLAN CHECKLIST**



HARMFUL ALGAL BLOOMS: ACTIONS FOR PUBLIC WATER SUPPLIES

Public water supplies with source water identified as susceptible to Harmful Algal Blooms (HABs)--mainly systems utilizing surface water sources--must have a contingency plan for limiting the negative impact of a bloom on consumers.

Required Action

The Ohio Administrative Code 3745-85-01 requires each community water system to develop contingency plans for supplying water to the public in the event of an emergency. The rule requires identification of likely emergencies, response and recovery plans, and mitigation efforts to protect the community health and safety in the event of disruption to the water supply. If you operate a water system which utilizes a water source susceptible to HABs, you must include a HAB response and recovery procedure in your contingency plan.

Assistance Provided

The Ohio EPA provides guidance to water systems in developing their general contingency plans. The agency provides a contingency planning template on the web <http://epa.ohio.gov/ddagw/security.aspx> and facilitates roundtable discussions, which include the local emergency management and health district officials.

The agency developed this checklist for public water systems to provide recommended response and recovery actions specific to HABs. More detailed information is available in the multi-agency HAB Strategy published by the Ohio EPA. If you require further assistance, please contact your Ohio EPA district office representative.

NOTE: Rule-required items are listed in **BOLD** in the checklist below. Additional items, although not required by rule, are included for guidance.

1.1 Plan for the impact of a HAB event on your water system:

Complete	In Progress	Not Started	Page or Section	Planning Element
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Identify a HAB coordinator (e.g. the operator of record) or team with defined roles and responsibilities in planning and response activities.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Identify essential employees and contractors necessary to maintain the water system.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Review the State of Ohio's current HAB Response Strategy for public water supplies.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Prepare a model to estimate contaminant transport through the distribution system and establish a sampling plan to help you monitor its actual path through the system. Prepare sampling kits with labeled bottles, sampling instructions, and laboratory identification.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Identify operational measures, such as isolation zones, that may limit the number of affected customers.

1.2 Plan for the impact of a HAB event on your customers:

Complete	In Progress	Not Started	Page or Section	Planning Element
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Prepare a list of water users having critical needs for a continuous supply of water (e.g. home dialysis patients, dialysis clinics, hospitals, nursing homes) and key consumers (e.g. manufacturers, food processors). Incorporate their requirements into your plan. Include critical users of any satellite systems, if applicable.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Identify methods of notification of users when an emergency occurs , such as preparing ready-to-use messages and procedures for distributing these notifications to consumers and satellite systems (i.e. purchasers of your water supply).
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Develop a plan for implementing water restrictions for satellite systems.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Define and document the protocol for issuing a Tier 1 Drinking Water Advisory.

1.3 Establish policies and procedures to be implemented during an event:

Complete	In Progress	Not Started	Page or Section	Planning Element
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Establish policies for flexible work hours (e.g. staggered shifts) for 24 hour monitoring of the water system.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Describe the method that will be used to obtain and transport water from an alternate source should such procedure become necessary (including connecting to another water system), and describe at least three possible alternate sources of water and the method of disinfection that will be used for each source.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Set up authorities, triggers, and procedures for activating and terminating the contingency plan, altering operations, and transferring knowledge to other employees, contractors, or responders (such as Ohio WARN).
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Develop and document procedures for flushing contaminants from the water lines. Identify the most advantageous access points for effective flushing.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Develop and document procedures for adjusting treatment processes to optimize the removal or destruction of cyanotoxins.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Establish a plan for communications between the water supply and outside organizations, including volunteers, the news media, and the general public.

1.4 Allocate resources to protect the water system and your employees during an event:

Complete	In Progress	Not Started	Page or Section	Planning Element
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Provide sufficient personal protective equipment (PPE) and supplies to maintain employee safety and health.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Ensure access to information technology infrastructure (e.g. SCADA systems) remains protected and is available to authorized persons active in the response efforts.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Prepare security procedures (e.g. check-in stations, identification badges, registration lists) for volunteers and contractors to ensure continued protection of the water system facilities and its employees.

1.5 Communicate with and train your employees:

Complete	In Progress	Not Started	Page or Section	Planning Element
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Train and prepare employees or contractors who normally hold other functions but would likely be utilized for additional labor/relief team duties (e.g. billing clerks, administrative staff).
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Disseminate information to employees about your preparations and the response plan.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Define the mode and frequency for communicating event status, work schedules, and task assignments.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Implement an exercise/drill to test the response plan.

1.6 Coordinate with external organizations:

Complete	In Progress	Not Started	Page or Section	Planning Element
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Establish an emergency communications plan with 24 hour phone numbers for the Ohio EPA – Division of Drinking and Ground Waters, police, fire, the county emergency management director, water supply personnel, municipal administrative personnel, contractors for line breaks, electric power supplier, electricians, well drilling and pump service contractors, plant mechanical contractors, suppliers, hospital and emergency squad/medical assistance, critical water users and health district personnel. Include the identification of key contacts (with back-ups), chain of communications, and processes for tracking and relaying event status information.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Collaborate with local and state agencies and emergency responders to participate in their planning processes, share your plan, and understand their capabilities (e.g. funding).

Where possible, provide additional details in the space below for any items marked "In Progress" or "Not Started" so that Ohio EPA staff may better assist you in finalizing your plan. Attach additional sheets if needed.

After you complete the evaluation of your contingency planning efforts, submit a copy of the appropriate portions of the plan and this checklist to your Ohio EPA district office representative.

Contact

For more information about harmful algal blooms or to report suspected blooms or results of testing, contact Heather Raymond at heather.raymond@epa.ohio.gov or (614) 644-2911.

For more information regarding contingency planning or to schedule a roundtable discussion, contact Susan Wyatt at susan.wyatt@epa.ohio.gov or (614) 644-2762.

**APPENDIX F - STATION IDS (FOR PWS USE)
AND OHIO PWS LAKES**

Public Water System Station IDs
Please Use Station ID to identify where sample was collected
when reporting results to Ohio EPA.

EP = Entry Point (Finished Water) PP = In-Plant Location (Treatment Train)

IN = Intake (Collected at Intake Structure -or- Plant Raw Tap if no LT2 sample)

RS = Reservoir (Source Water NOT at Intake, use for scum sampling) LT2 = Raw Sample in Plant

Table is sorted alphabetically by County name, then by PWS name

Station ID	Station Name	PWS ID	County	District
260263-EP001	BLUFFTON VILAGE-TP-EP001-Plant	OH0200112	ALLEN	NWDO
RS002-RSS02	BRESLER LAKE RESERVOIR-RS-RSS02-Raw	OH0200811	ALLEN	NWDO
262193-EP002	DELPHOS CITY-TP-EP002-Plant	OH0200412	ALLEN	NWDO
262193-LT2001	DELPHOS CITY-TP-LT2001-Raw	OH0200412	ALLEN	NWDO
262193-PP001	DELPHOS CITY-TP-PP001-Plant	OH0200412	ALLEN	NWDO
262193-PP002	DELPHOS CITY-TP-PP002-Plant	OH0200412	ALLEN	NWDO
262193-PP003	DELPHOS CITY-TP-PP003-Plant	OH0200412	ALLEN	NWDO
262193-PP004	DELPHOS CITY-TP-PP004-Plant	OH0200412	ALLEN	NWDO
262193-PP005	DELPHOS CITY-TP-PP005-Plant	OH0200412	ALLEN	NWDO
252632-EP001	ELIDA VILLAGE-TP-EP001-Plant	OH0200503	ALLEN	NWDO
RS003-RSS03	FERGUSON RESERVOIR-RS-RSS03-Raw	OH0200811	ALLEN	NWDO
IN77952-RSSW6	INTAKE 1 AUGLAIZE RIVER-IN-RSSW6-Raw	OH0200811	ALLEN	NWDO
IN77937-RSSW1	INTAKE 1 OTTAWA RIVER-IN-RSSW1-Raw	OH0200811	ALLEN	NWDO
IN77946-RSSW4	INTAKE 2 OTTAWA RIVER-IN-RSSW4-Raw	OH0200811	ALLEN	NWDO
IN77955-RSSW7	INTAKE BRESLER RESERVOIR-IN-RSSW7-Raw	OH0200811	ALLEN	NWDO
IN77960-RSSW8	INTAKE FERGUSON LAKE RESERVOIR-IN-RSSW8-Raw	OH0200811	ALLEN	NWDO
IN77949-RSSW5	INTAKE LOST CREEK RESERVOIR-IN-RSSW5-Raw	OH0200811	ALLEN	NWDO
IN77940-RSSW2	INTAKE METZGER RESERVOIR-IN-RSSW2-Raw	OH0200811	ALLEN	NWDO
IN77943-RSSW3	INTAKE TWIN LAKES RESERVOIR-IN-RSSW3-Raw	OH0200811	ALLEN	NWDO
IN001-RSSW9	INTAKE WILLIAMS RESERVOIR-IN-RSSW9-Raw	OH0200811	ALLEN	NWDO
IN001-RS011	INTAKE-IN-RS011-Raw	OH0200412	ALLEN	NWDO
252634-EP001	LIMA CITY-TP-EP001-Plant	OH0200811	ALLEN	NWDO
252634-LT2001	LIMA CITY-TP-LT2001-Raw	OH0200811	ALLEN	NWDO
252634-PP001	LIMA CITY-TP-PP001-Plant	OH0200811	ALLEN	NWDO
252634-PP002	LIMA CITY-TP-PP002-Plant	OH0200811	ALLEN	NWDO
252634-PP003	LIMA CITY-TP-PP003-Plant	OH0200811	ALLEN	NWDO
252634-PP004	LIMA CITY-TP-PP004-Plant	OH0200811	ALLEN	NWDO
252634-PP005	LIMA CITY-TP-PP005-Plant	OH0200811	ALLEN	NWDO
RS005-RSS05	LOST CREEK RESERVOIR-RS-RSS05-Raw	OH0200811	ALLEN	NWDO
RS004-RSS04	METZGER LAKE RESERVOIR-RS-RSS04-Raw	OH0200811	ALLEN	NWDO
RS001-RS34101	RESERVOIR-RS-RS34101-Raw	OH0200412	ALLEN	NWDO
RS006-RSS06	TWIN LAKES RESERVOIR-RS-RSS06-Raw	OH0200811	ALLEN	NWDO
RS001-RSS21	WILLIAMS RESERVIOIR-RS-RSS21-Raw	OH0200811	ALLEN	NWDO
352713-EP001	BAILEY LAKES WTP-OT-EP001-Plant	OH0300312	ASHLAND	NWDO
352713-RSPS1	BAILEY LAKES WTP-OT-RSPS1-Raw	OH0300312	ASHLAND	NWDO
452817-EP001	AQUA OHIO - ASHTABULA WATER-TP-EP001-Plant	OH0400711	ASHTABULA	NEDO
452817-LT2001	AQUA OHIO - ASHTABULA WATER-TP-LT2001-Raw	OH0400711	ASHTABULA	NEDO
452817-PP001	AQUA OHIO - ASHTABULA WATER-TP-PP001-Plant	OH0400711	ASHTABULA	NEDO
452817-PP002	AQUA OHIO - ASHTABULA WATER-TP-PP002-Plant	OH0400711	ASHTABULA	NEDO
452817-PP003	AQUA OHIO - ASHTABULA WATER-TP-PP003-Plant	OH0400711	ASHTABULA	NEDO
452817-PP004	AQUA OHIO - ASHTABULA WATER-TP-PP004-Plant	OH0400711	ASHTABULA	NEDO

452817-PP005	AQUA OHIO - ASHTABULA WATER-TP-PP005-Plant	OH0400711	ASHTABULA	NEDO
452818-EP001	ASHTABULA COUNTY WATER-OT-EP001-Plant	OH0400803	ASHTABULA	NEDO
460903-EP001	AUSTIN MANOR MHC-OT-EP001-Plant	OH0401512	ASHTABULA	NEDO
461493-EP001	CITY OF GENEVA-OT-EP001-Plant	OH0401712	ASHTABULA	NEDO
452814-EP001	CONNEAUT WATER DEPARTMENT CONNEAUT WTP-TP-EP001-Plant	OH0400411	ASHTABULA	NEDO
452814-LT2001	CONNEAUT WATER DEPARTMENT CONNEAUT WTP-TP-LT2001-Raw	OH0400411	ASHTABULA	NEDO
452814-PP001	CONNEAUT WATER DEPARTMENT CONNEAUT WTP-TP-PP001-Plant	OH0400411	ASHTABULA	NEDO
452814-PP002	CONNEAUT WATER DEPARTMENT CONNEAUT WTP-TP-PP002-Plant	OH0400411	ASHTABULA	NEDO
452814-PP003	CONNEAUT WATER DEPARTMENT CONNEAUT WTP-TP-PP003-Plant	OH0400411	ASHTABULA	NEDO
452814-PP004	CONNEAUT WATER DEPARTMENT CONNEAUT WTP-TP-PP004-Plant	OH0400411	ASHTABULA	NEDO
452814-PP005	CONNEAUT WATER DEPARTMENT CONNEAUT WTP-TP-PP005-Plant	OH0400411	ASHTABULA	NEDO
IN79039-RS001	IN FROM AQUA OHIO - ASHTABULA LAKE ERI-IN-RS001-Raw	OH0400711	ASHTABULA	NEDO
IN79019-RS001	IN FROM CONNEAUT CITY LAKE ERIE INTAKE-IN-RS001-Raw	OH0400411	ASHTABULA	NEDO
IN79407-RS001	IN FROM ODNR PYMATUNING STATE PARK PYMAT-IN-RS001-Raw	OH0443111	ASHTABULA	NEDO
IN79073-RS001	IN FROM ROCK CREEK VILLAGE GRAND RIVER I-IN-RS001-Raw	OH0401111	ASHTABULA	NEDO
452816-EP001	ROAMING SHORES VILLAGE-TP-EP001-Plant	OH0400611	ASHTABULA	NEDO
462282-EP002	ROCK CREEK WTP 2-TP-EP002-Plant	OH0401111	ASHTABULA	NEDO
452820-EP001	ROCK CREEK WTP-TP-EP001-Plant	OH0401111	ASHTABULA	NEDO
461494-EP001	VILLAGE OF JEFFERSON-OT-EP001-Plant	OH0401812	ASHTABULA	NEDO
552896-EP001	BISHOPVILLE WATER & SEWER ASSN-TP-EP001-Plant	OH0500403	ATHENS	SEDO
552904-EP001	BURR OAK REGIONAL WATER DISTRICT-TP-EP001-Plant	OH0501311	ATHENS	SEDO
552899-EP001	GLOUSTER PWS-OT-EP001-Plant	OH0500703	ATHENS	SEDO
IN79558-RS001	IN FROM BURR OAK REGIONAL BURR OAK LAKE-IN-RS001-Raw	OH0501311	ATHENS	SEDO
552905-EP001	SUNDAY CREEK VALLEY WATER DISTRICT-TP-EP001-Plant	OH0501503	ATHENS	SEDO
552907-EP001	TRIMBLE VILLAGE-OT-EP001-Plant	OH0501703	ATHENS	SEDO
752965-EP001	BARNESVILLE-TP-EP001-Plant	OH0700011	BELMONT	SEDO
752965-LT2001	BARNESVILLE-TP-LT2001-Raw	OH0700011	BELMONT	SEDO
752965-PP001	BARNESVILLE-TP-PP001-Plant	OH0700011	BELMONT	SEDO
752965-PP002	BARNESVILLE-TP-PP002-Plant	OH0700011	BELMONT	SEDO
752965-PP003	BARNESVILLE-TP-PP003-Plant	OH0700011	BELMONT	SEDO
752965-PP004	BARNESVILLE-TP-PP004-Plant	OH0700011	BELMONT	SEDO
752965-PP005	BARNESVILLE-TP-PP005-Plant	OH0700011	BELMONT	SEDO
IN79928-RSSW1	BELLAIRE INFILTRATION-IN-RSSW1-Raw	OH0700114	BELMONT	SEDO
752966-EP001	BELLAIRE PWS-TP-EP001-Plant	OH0700114	BELMONT	SEDO
752966-LT2001	BELLAIRE PWS-TP-LT2001-Raw	OH0700114	BELMONT	SEDO
752966-PP001	BELLAIRE PWS-TP-PP001-Plant	OH0700114	BELMONT	SEDO
752966-PP002	BELLAIRE PWS-TP-PP002-Plant	OH0700114	BELMONT	SEDO
752966-PP003	BELLAIRE PWS-TP-PP003-Plant	OH0700114	BELMONT	SEDO
752966-PP004	BELLAIRE PWS-TP-PP004-Plant	OH0700114	BELMONT	SEDO
752966-PP005	BELLAIRE PWS-TP-PP005-Plant	OH0700114	BELMONT	SEDO

IN79923-RSSW3	IN FROM BARNESVILLE RESERVOIR#1-IN-RSSW3-Raw	OH0700011	BELMONT	SEDO
IN79920-RSSW2	IN FROM BARNESVILLE RESERVOIR#2-IN-RSSW2-Raw	OH0700011	BELMONT	SEDO
IN79917-RSSW1	IN FROM BARNESVILLE VILLAGE SLOPE CREEK-IN-RSSW1-Raw	OH0700011	BELMONT	SEDO
IN234813-RS002	IN FROM BELMONT BETTER HUNTING & FISHING-IN-RS002-Raw	OH0735712	BELMONT	SEDO
IN80015-RSSW1	IN FROM ST. CLAIRSVILLE MUNICIPAL RESERV-IN-RSSW1-Raw	OH0701516	BELMONT	SEDO
IN80018-RSSW2	IN FROM ST. CLAIRSVILLE PROVIDENT RESERV-IN-RSSW2-Raw	OH0701516	BELMONT	SEDO
752977-EP001	SAINT CLAIRSVILLE WTP-TP-EP001-Plant	OH0701516	BELMONT	SEDO
752977-LT2001	SAINT CLAIRSVILLE WTP-TP-LT2001-Raw	OH0701516	BELMONT	SEDO
752977-PP001	SAINT CLAIRSVILLE WTP-TP-PP001-Plant	OH0701516	BELMONT	SEDO
752977-PP002	SAINT CLAIRSVILLE WTP-TP-PP002-Plant	OH0701516	BELMONT	SEDO
752977-PP003	SAINT CLAIRSVILLE WTP-TP-PP003-Plant	OH0701516	BELMONT	SEDO
752977-PP004	SAINT CLAIRSVILLE WTP-TP-PP004-Plant	OH0701516	BELMONT	SEDO
752977-PP005	SAINT CLAIRSVILLE WTP-TP-PP005-Plant	OH0701516	BELMONT	SEDO
IN80152-RSSW2	IN FROM MOUNT ORAB VILLAGE OLD RESERVOIR-IN-RSSW2-Raw	OH0801011	BROWN	SWDO
IN80149-RSSW1	IN FROM MOUNT ORAB VILLAGE STERLING RUN-IN-RSSW1-Raw	OH0801011	BROWN	SWDO
IN80131-RSSW1	IN FROM WAYNOKA REGIONAL WATER & SEWER-IN-RSSW1-Raw	OH0800811	BROWN	SWDO
IN80134-RSSW2	IN FROM WAYNOKA REGIONAL WATER & SEWER-IN-RSSW2-Raw	OH0800811	BROWN	SWDO
852998-EP001	MOUNT ORAB WTP-TP-EP001-Plant	OH0801011	BROWN	SWDO
852998-LT2001	MOUNT ORAB WTP-TP-LT2001-Raw	OH0801011	BROWN	SWDO
852998-PP001	MOUNT ORAB WTP-TP-PP001-Plant	OH0801011	BROWN	SWDO
852998-PP002	MOUNT ORAB WTP-TP-PP002-Plant	OH0801011	BROWN	SWDO
852998-PP003	MOUNT ORAB WTP-TP-PP003-Plant	OH0801011	BROWN	SWDO
852998-PP004	MOUNT ORAB WTP-TP-PP004-Plant	OH0801011	BROWN	SWDO
852998-PP005	MOUNT ORAB WTP-TP-PP005-Plant	OH0801011	BROWN	SWDO
852996-EP001	WAYNOKA REGIONAL WATER AND SEWER DIST-TP-EP001-Plant	OH0800811	BROWN	SWDO
852996-LT2001	WAYNOKA REGIONAL WATER AND SEWER DIST-TP-LT2001-Raw	OH0800811	BROWN	SWDO
852996-PP001	WAYNOKA REGIONAL WATER AND SEWER DIST-TP-PP001-Plant	OH0800811	BROWN	SWDO
852996-PP002	WAYNOKA REGIONAL WATER AND SEWER DIST-TP-PP002-Plant	OH0800811	BROWN	SWDO
852996-PP003	WAYNOKA REGIONAL WATER AND SEWER DIST-TP-PP003-Plant	OH0800811	BROWN	SWDO
852996-PP004	WAYNOKA REGIONAL WATER AND SEWER DIST-TP-PP004-Plant	OH0800811	BROWN	SWDO
852996-PP005	WAYNOKA REGIONAL WATER AND SEWER DIST-TP-PP005-Plant	OH0800811	BROWN	SWDO
953007-EP001	BUTLER CO WATER DIST NO 2-TP-EP001-Plant	OH0900303	BUTLER	SWDO
953015-EP001	MONROE VILLAGE-TP-EP001-Plant	OH0902012	BUTLER	SWDO
953015-GWR001	MONROE VILLAGE-TP-GWR001-Raw	OH0902012	BUTLER	SWDO
IN002-RS002	EAST INTAKE ATWOOD LAKE-IN-RS002-Raw	OH1038411	CARROLL	NEDO
IN80985-RSSW1	IN FROM MWCD ATWOOD PARK ATWOOD LAKE INT-IN-RSSW1-Raw	OH1038411	CARROLL	NEDO
1053122-EP001	MWCD ATWOOD PARK-TP-EP001-Plant	OH1038411	CARROLL	NEDO

1062456-EP002	MWCD-ATWOOD LAKE PARK-TP-EP002-Plant	OH1038411	CARROLL	NEDO
1062456-GWR002	MWCD-ATWOOD LAKE PARK-TP-GWR002-Raw	OH1038411	CARROLL	NEDO
1062456-LT2001	MWCD-ATWOOD LAKE PARK-TP-LT2001-Raw	OH1038411	CARROLL	NEDO
1062456-PP001	MWCD-ATWOOD LAKE PARK-TP-PP001-Plant	OH1038411	CARROLL	NEDO
1062456-PP002	MWCD-ATWOOD LAKE PARK-TP-PP002-Plant	OH1038411	CARROLL	NEDO
1062456-PP003	MWCD-ATWOOD LAKE PARK-TP-PP003-Plant	OH1038411	CARROLL	NEDO
1062456-PP004	MWCD-ATWOOD LAKE PARK-TP-PP004-Plant	OH1038411	CARROLL	NEDO
1062456-PP005	MWCD-ATWOOD LAKE PARK-TP-PP005-Plant	OH1038411	CARROLL	NEDO
IN001-RS001	WEST INTAKE ATWOOD LAKE-IN-RS001-Raw	OH1038411	CARROLL	NEDO
1353363-EP001	BATAVIA VILLAGE-OT-EP001-Plant	OH1300011	CLERMONT	SWDO
1353364-EP001	BETHEL WTP-TP-EP001-Plant	OH1300116	CLERMONT	SWDO
1353364-GWR001	BETHEL WTP-TP-GWR001-Raw	OH1300116	CLERMONT	SWDO
1353368-EP003	CLERMONT CO. PWS BMWT PLANT-TP-EP003-Plant	OH1302212	CLERMONT	SWDO
1353368-LT2003	CLERMONT CO. PWS BMWT PLANT-TP-LT2003-Raw	OH1302212	CLERMONT	SWDO
1353368-PP001	CLERMONT CO. PWS BMWT PLANT-TP-PP001-Plant	OH1302212	CLERMONT	SWDO
1353368-PP002	CLERMONT CO. PWS BMWT PLANT-TP-PP002-Plant	OH1302212	CLERMONT	SWDO
1353368-PP003	CLERMONT CO. PWS BMWT PLANT-TP-PP003-Plant	OH1302212	CLERMONT	SWDO
1353368-PP004	CLERMONT CO. PWS BMWT PLANT-TP-PP004-Plant	OH1302212	CLERMONT	SWDO
1353368-PP005	CLERMONT CO. PWS BMWT PLANT-TP-PP005-Plant	OH1302212	CLERMONT	SWDO
IN82329-RSSW1	IN FROM BATAVIA VILLAGE EAST FORK LITTLE-IN-RSSW1-Raw	OH1300011	CLERMONT	SWDO
IN82336-RSSW1	IN FROM BETHEL VILLAGE CLOVER CREEK INTA-IN-RSSW1-Raw	OH1300116	CLERMONT	SWDO
IN82346-RSSW3	IN FROM BETHEL VILLAGE NEW RESERVOIR INT-IN-RSSW3-Raw	OH1300116	CLERMONT	SWDO
IN82343-RSSW2	IN FROM BETHEL VILLAGE OLD RESERVOIR INT-IN-RSSW2-Raw	OH1300116	CLERMONT	SWDO
IN82414-RSSW1	IN FROM CLERMONT CO BMWT EAST FORK LITTL-IN-RSSW1-Raw	OH1302212	CLERMONT	SWDO
IN82489-RSSW1	IN FROM WILLIAMSBURG VILLAGE EAST FORK L-IN-RSSW1-Raw	OH1301411	CLERMONT	SWDO
1353375-EP001	WILLIAMSBURG VILLAGE-OT-EP001-Plant	OH1301411	CLERMONT	SWDO
1453378-EP001	BLANCHESTER WTP-TP-EP001-Plant	OH1400111	CLINTON	SWDO
1453378-LT2001	BLANCHESTER WTP-TP-LT2001-Raw	OH1400111	CLINTON	SWDO
1453378-PP001	BLANCHESTER WTP-TP-PP001-Plant	OH1400111	CLINTON	SWDO
1453378-PP002	BLANCHESTER WTP-TP-PP002-Plant	OH1400111	CLINTON	SWDO
1453378-PP003	BLANCHESTER WTP-TP-PP003-Plant	OH1400111	CLINTON	SWDO
1453378-PP004	BLANCHESTER WTP-TP-PP004-Plant	OH1400111	CLINTON	SWDO
1453378-PP005	BLANCHESTER WTP-TP-PP005-Plant	OH1400111	CLINTON	SWDO
IN82516-RSSW4	IN FROM BLANCHESTER VILLAGE RESERVOIR 5-IN-RSSW4-Raw	OH1400111	CLINTON	SWDO
IN82508-RSSW2	IN FROM BLANCHESTER VILLAGE STONELICK CR-IN-RSSW2-Raw	OH1400111	CLINTON	SWDO
IN82513-RSSW3	IN FROM BLANCHESTER VILLAGE WESTBORO RES-IN-RSSW3-Raw	OH1400111	CLINTON	SWDO
RS003-RSSW1	IN FROM BLANCHESTER WHITACRE RUN RES #3-IN-RSSW1-Raw	OH1400111	CLINTON	SWDO
IN35902-RSSW5	IN FROM BLANCHESTER WHITER RUN-IN-RSSW5-Raw	OH1400111	CLINTON	SWDO
IN82566-RS001	IN FROM WILMINGTON CITY CAESAR LAKE INTA-IN-RS001-Raw	OH1401211	CLINTON	SWDO
IN82558-RS003	IN FROM WILMINGTON CITY COWAN CREEK INTA-IN-RS003-Raw	OH1401211	CLINTON	SWDO
IN82563-RS002	IN FROM WILMINGTON CITY RESERVOIRS INTAK-IN-RS002-Raw	OH1401211	CLINTON	SWDO

RS001-RS101	RESERVOIR 1-RS-RS101-Raw	OH1400111	CLINTON	SWDO
RS002-RS102	RESERVOIR 2-RS-RS102-Raw	OH1400111	CLINTON	SWDO
1453383-EP001	WILMINGTON WATER DEPARTMENT-TP-EP001-Plant	OH1401211	CLINTON	SWDO
1453383-LT2001	WILMINGTON WATER DEPARTMENT-TP-LT2001-Raw	OH1401211	CLINTON	SWDO
1453383-PP001	WILMINGTON WATER DEPARTMENT-TP-PP001-Plant	OH1401211	CLINTON	SWDO
1453383-PP002	WILMINGTON WATER DEPARTMENT-TP-PP002-Plant	OH1401211	CLINTON	SWDO
1453383-PP003	WILMINGTON WATER DEPARTMENT-TP-PP003-Plant	OH1401211	CLINTON	SWDO
1453383-PP004	WILMINGTON WATER DEPARTMENT-TP-PP004-Plant	OH1401211	CLINTON	SWDO
1453383-PP005	WILMINGTON WATER DEPARTMENT-TP-PP005-Plant	OH1401211	CLINTON	SWDO
1553416-EP001	BUCKEYE WATER DISTRICT - WELLSVILLE-TP-EP001-Plant	OH1502911	COLUMBIANA	NEDO
1553416-PP001	BUCKEYE WATER DISTRICT - WELLSVILLE-TP-PP001-Plant	OH1502911	COLUMBIANA	NEDO
1553416-PP002	BUCKEYE WATER DISTRICT - WELLSVILLE-TP-PP002-Plant	OH1502911	COLUMBIANA	NEDO
1553416-PP003	BUCKEYE WATER DISTRICT - WELLSVILLE-TP-PP003-Plant	OH1502911	COLUMBIANA	NEDO
1553416-PP004	BUCKEYE WATER DISTRICT - WELLSVILLE-TP-PP004-Plant	OH1502911	COLUMBIANA	NEDO
1553416-PP005	BUCKEYE WATER DISTRICT - WELLSVILLE-TP-PP005-Plant	OH1502911	COLUMBIANA	NEDO
1562275-EP001	BUCKEYE WATER DISTRICT-OHIO RIVER-TP-EP001-Plant	OH1502911	COLUMBIANA	NEDO
1562275-LT2001	BUCKEYE WATER DISTRICT-OHIO RIVER-TP-LT2001-Raw	OH1502911	COLUMBIANA	NEDO
1562275-PP001	BUCKEYE WATER DISTRICT-OHIO RIVER-TP-PP001-Plant	OH1502911	COLUMBIANA	NEDO
1562275-PP002	BUCKEYE WATER DISTRICT-OHIO RIVER-TP-PP002-Plant	OH1502911	COLUMBIANA	NEDO
1562275-PP003	BUCKEYE WATER DISTRICT-OHIO RIVER-TP-PP003-Plant	OH1502911	COLUMBIANA	NEDO
1562275-PP004	BUCKEYE WATER DISTRICT-OHIO RIVER-TP-PP004-Plant	OH1502911	COLUMBIANA	NEDO
1562275-PP005	BUCKEYE WATER DISTRICT-OHIO RIVER-TP-PP005-Plant	OH1502911	COLUMBIANA	NEDO
1553397-EP001	BUCKEYE WATER DISTRICT-TP-EP001-Plant	OH1502911	COLUMBIANA	NEDO
1553397-PP001	BUCKEYE WATER DISTRICT-TP-PP001-Plant	OH1502911	COLUMBIANA	NEDO
1553397-PP002	BUCKEYE WATER DISTRICT-TP-PP002-Plant	OH1502911	COLUMBIANA	NEDO
1553397-PP003	BUCKEYE WATER DISTRICT-TP-PP003-Plant	OH1502911	COLUMBIANA	NEDO
1553397-PP004	BUCKEYE WATER DISTRICT-TP-PP004-Plant	OH1502911	COLUMBIANA	NEDO
1553397-PP005	BUCKEYE WATER DISTRICT-TP-PP005-Plant	OH1502911	COLUMBIANA	NEDO
1562495-EP001	COLUMBIANA COUNTY-COUNTY HOME RD-TP-EP001-Plant	OH1566312	COLUMBIANA	NEDO
1562495-GWR001	COLUMBIANA COUNTY-COUNTY HOME RD-TP-GWR001-Raw	OH1566312	COLUMBIANA	NEDO
1553398-EP001	EAST LIVERPOOL WTP-TP-EP001-Plant	OH1500811	COLUMBIANA	NEDO
1553398-LT2001	EAST LIVERPOOL WTP-TP-LT2001-Raw	OH1500811	COLUMBIANA	NEDO
1553398-PP001	EAST LIVERPOOL WTP-TP-PP001-Plant	OH1500811	COLUMBIANA	NEDO
1553398-PP002	EAST LIVERPOOL WTP-TP-PP002-Plant	OH1500811	COLUMBIANA	NEDO

1553398-PP003	EAST LIVERPOOL WTP-TP-PP003-Plant	OH1500811	COLUMBIANA	NEDO
1553398-PP004	EAST LIVERPOOL WTP-TP-PP004-Plant	OH1500811	COLUMBIANA	NEDO
1553398-PP005	EAST LIVERPOOL WTP-TP-PP005-Plant	OH1500811	COLUMBIANA	NEDO
IN82799-RS001	IN FROM BUCKEYE WATER DISTRICT WELLSVILL-IN-RS001-Raw	OH1502911	COLUMBIANA	NEDO
IN82664-RSSW1	IN FROM EAST LIVERPOOL CITY OHIO RIVER I-IN-RSSW1-Raw	OH1500811	COLUMBIANA	NEDO
IN82734-RSSW2	IN FROM SALEM CITY COLD RUN CREEK INTAKE-IN-RSSW2-Raw	OH1502011	COLUMBIANA	NEDO
IN82731-RSSW1	IN FROM SALEM CITY SALEM RESERVOIR INTAK-IN-RSSW1-Raw	OH1502011	COLUMBIANA	NEDO
IN82742-RSSW3	IN FROM SALEM CITY SPRING VALLEY RESERV-IN-RSSW3-Raw	OH1502011	COLUMBIANA	NEDO
IN002-RS202	INTAKE NO1 - OHIO RIVER-IN-RS202-Raw	OH1502911	COLUMBIANA	NEDO
IN003-RS103	INTAKE NO2 - OHIO RIVER-IN-RS103-Raw	OH1502911	COLUMBIANA	NEDO
1553405-EP001	LISBON WATER DEPARTMENT-TP-EP001-Plant	OH1501512	COLUMBIANA	NEDO
1553407-EP001	SALEM WTP-TP-EP001-Plant	OH1502011	COLUMBIANA	NEDO
1553407-LT2001	SALEM WTP-TP-LT2001-Raw	OH1502011	COLUMBIANA	NEDO
1553407-PP001	SALEM WTP-TP-PP001-Plant	OH1502011	COLUMBIANA	NEDO
1553407-PP002	SALEM WTP-TP-PP002-Plant	OH1502011	COLUMBIANA	NEDO
1553407-PP003	SALEM WTP-TP-PP003-Plant	OH1502011	COLUMBIANA	NEDO
1553407-PP004	SALEM WTP-TP-PP004-Plant	OH1502011	COLUMBIANA	NEDO
1553407-PP005	SALEM WTP-TP-PP005-Plant	OH1502011	COLUMBIANA	NEDO
1553415-EP001	WASHINGTONVILLE VLG-TP-EP001-Plant	OH1502812	COLUMBIANA	NEDO
1653605-EP001	ECHOING HILLS VILLAGE INC-TP-EP001-Plant	OH1600811	COSHOCTON	SEDO
1653605-LT2001	ECHOING HILLS VILLAGE INC-TP-LT2001-Raw	OH1600811	COSHOCTON	SEDO
1653605-PP001	ECHOING HILLS VILLAGE INC-TP-PP001-Plant	OH1600811	COSHOCTON	SEDO
1653605-PP002	ECHOING HILLS VILLAGE INC-TP-PP002-Plant	OH1600811	COSHOCTON	SEDO
1653605-PP003	ECHOING HILLS VILLAGE INC-TP-PP003-Plant	OH1600811	COSHOCTON	SEDO
1653605-PP004	ECHOING HILLS VILLAGE INC-TP-PP004-Plant	OH1600811	COSHOCTON	SEDO
1653605-PP005	ECHOING HILLS VILLAGE INC-TP-PP005-Plant	OH1600811	COSHOCTON	SEDO
IN83896-RSSW1	IN FROM AEP CONESVILLE PLANT MUSKINGUM R-IN-RSSW1-Raw	OH1630511	COSHOCTON	SEDO
IN83855-RSSW2	IN FROM ECHOING HILLS VILLAGE I LOWER PO-IN-RSSW2-Raw	OH1600811	COSHOCTON	SEDO
IN83850-RSSW1	IN FROM ECHOING HILLS VILLAGE I UPPER PO-IN-RSSW1-Raw	OH1600811	COSHOCTON	SEDO
IN003-RSSW3	IN FROM SHALIMAR LAKE-IN-RSSW3-Raw	OH1600811	COSHOCTON	SEDO
IN84160-RSSW2	AMICK RESERVOIR INTAKE-IN-RSSW2-Raw	OH1700211	CRAWFORD	NWDO
RS002-RS202	AMICK RESERVOIR-RS-RS202-Raw	OH1700211	CRAWFORD	NWDO
RS003-RS103	AMMAN RESERVOIR-RS-RS103-Raw	OH1700211	CRAWFORD	NWDO
1762226-EP002	BUCYRUS CITY 2-TP-EP002-Plant	OH1700011	CRAWFORD	NWDO
1762226-GWR002	BUCYRUS CITY 2-TP-GWR002-Raw	OH1700011	CRAWFORD	NWDO
1753656-EP001	BUCYRUS CITY-TP-EP001-Plant	OH1700011	CRAWFORD	NWDO
1753656-LT2001	BUCYRUS CITY-TP-LT2001-Raw	OH1700011	CRAWFORD	NWDO
1753656-PP001	BUCYRUS CITY-TP-PP001-Plant	OH1700011	CRAWFORD	NWDO
1753656-PP002	BUCYRUS CITY-TP-PP002-Plant	OH1700011	CRAWFORD	NWDO
1753656-PP003	BUCYRUS CITY-TP-PP003-Plant	OH1700011	CRAWFORD	NWDO
1753656-PP004	BUCYRUS CITY-TP-PP004-Plant	OH1700011	CRAWFORD	NWDO
1753656-PP005	BUCYRUS CITY-TP-PP005-Plant	OH1700011	CRAWFORD	NWDO
1753656-RS001	BUCYRUS CITY-TP-RS001-Raw	OH1700011	CRAWFORD	NWDO
OLD_1753663-RSPS1	CRAWFORD CO SWR DIST NO 2-TP-RSPS1-Raw	OH1700703	CRAWFORD	NWDO

1753663-EP001	CRAWFORD COUNTY SWR DIST NO 2-OT-EP001-Plant	OH1700703	CRAWFORD	NWDO
1753658-EP001	GALION CITY-TP-EP001-Plant	OH1700211	CRAWFORD	NWDO
1753658-LT2001	GALION CITY-TP-LT2001-Raw	OH1700211	CRAWFORD	NWDO
1753658-PP001	GALION CITY-TP-PP001-Plant	OH1700211	CRAWFORD	NWDO
1753658-PP002	GALION CITY-TP-PP002-Plant	OH1700211	CRAWFORD	NWDO
1753658-PP003	GALION CITY-TP-PP003-Plant	OH1700211	CRAWFORD	NWDO
1753658-PP004	GALION CITY-TP-PP004-Plant	OH1700211	CRAWFORD	NWDO
1753658-PP005	GALION CITY-TP-PP005-Plant	OH1700211	CRAWFORD	NWDO
IN84143-RS002	NEFF RESERVOIR INTAKE-IN-RS002-Raw	OH1700011	CRAWFORD	NWDO
RS001-RSS005	NEFF RESERVOIR-RS-RSS005-Raw	OH1700011	CRAWFORD	NWDO
RS004-RSS004	OUTHWAITE RESERVOIR-RS-RSS004-Raw	OH1700011	CRAWFORD	NWDO
IN001-RS101	PINES RESERVOIR INTAKE-IN-RS101-Raw	OH1700011	CRAWFORD	NWDO
RS002-RSS002	PINES RESERVOIR-RS-RSS002-Raw	OH1700011	CRAWFORD	NWDO
IN001-RSSW3	POWERS RESERVOIR INTAKE-IN-RSSW3-Raw	OH1700211	CRAWFORD	NWDO
RS001-RS201	POWERS RESERVOIR-RS-RS201-Raw	OH1700211	CRAWFORD	NWDO
IN003-RS003	RILEY RESERVOIR INTAKE-IN-RS003-Raw	OH1700011	CRAWFORD	NWDO
RS003-RSS003	RILEY RESERVOIR-RS-RSS003-Raw	OH1700011	CRAWFORD	NWDO
IN84157-RSSW1	ROCKY FORK INTAKE AMMAN RESERVOIR-IN-RSSW1-Raw	OH1700211	CRAWFORD	NWDO
IN84140-RSS001	SANDUSKY RIVER INTAKE-IN-RSS001-Raw	OH1700011	CRAWFORD	NWDO
1853704-EP001	BEDFORD CITY-OT-EP001-Plant	OH1800003	CUYAHOGA	NEDO
1853705-EP001	BEREA WTP-TP-EP001-Plant	OH1800111	CUYAHOGA	NEDO
1853705-LT2001	BEREA WTP-TP-LT2001-Raw	OH1800111	CUYAHOGA	NEDO
1853705-PP001	BEREA WTP-TP-PP001-Plant	OH1800111	CUYAHOGA	NEDO
1853705-PP002	BEREA WTP-TP-PP002-Plant	OH1800111	CUYAHOGA	NEDO
1853705-PP003	BEREA WTP-TP-PP003-Plant	OH1800111	CUYAHOGA	NEDO
1853705-PP004	BEREA WTP-TP-PP004-Plant	OH1800111	CUYAHOGA	NEDO
1853705-PP005	BEREA WTP-TP-PP005-Plant	OH1800111	CUYAHOGA	NEDO
1861532-EP002	CHAGRIN FALLS STU 2-TP-EP002-Plant	OH1800212	CUYAHOGA	NEDO
1861532-GWR002	CHAGRIN FALLS STU 2-TP-GWR002-Raw	OH1800212	CUYAHOGA	NEDO
1853708-EP002	CLEVELAND CROWN WTP-TP-EP002-Plant	OH1801212	CUYAHOGA	NEDO
1853708-LT2002	CLEVELAND CROWN WTP-TP-LT2002-Raw	OH1801212	CUYAHOGA	NEDO
1853708-PP001	CLEVELAND CROWN WTP-TP-PP001-Plant	OH1801212	CUYAHOGA	NEDO
1853708-PP002	CLEVELAND CROWN WTP-TP-PP002-Plant	OH1801212	CUYAHOGA	NEDO
1853708-PP003	CLEVELAND CROWN WTP-TP-PP003-Plant	OH1801212	CUYAHOGA	NEDO
1853708-PP004	CLEVELAND CROWN WTP-TP-PP004-Plant	OH1801212	CUYAHOGA	NEDO
1853708-PP005	CLEVELAND CROWN WTP-TP-PP005-Plant	OH1801212	CUYAHOGA	NEDO
1853707-EP001	CLEVELAND BALDWIN WTP-TP-EP001-Plant	OH1801212	CUYAHOGA	NEDO
1853707-LT2001	CLEVELAND BALDWIN WTP-TP-LT2001-Raw	OH1801212	CUYAHOGA	NEDO
1853707-PP001	CLEVELAND BALDWIN WTP-TP-PP001-Plant	OH1801212	CUYAHOGA	NEDO
1853707-PP002	CLEVELAND BALDWIN WTP-TP-PP002-Plant	OH1801212	CUYAHOGA	NEDO
1853707-PP003	CLEVELAND BALDWIN WTP-TP-PP003-Plant	OH1801212	CUYAHOGA	NEDO
1853707-PP004	CLEVELAND BALDWIN WTP-TP-PP004-Plant	OH1801212	CUYAHOGA	NEDO
1853707-PP005	CLEVELAND BALDWIN WTP-TP-PP005-Plant	OH1801212	CUYAHOGA	NEDO
1853711-EP001	CLEVELAND HEIGHTS CITY-OT-EP001-Plant	OH1800403	CUYAHOGA	NEDO
1853709-EP003	CLEVELAND MORGAN WTP-TP-EP003-Plant	OH1801212	CUYAHOGA	NEDO
1853709-LT2003	CLEVELAND MORGAN WTP-TP-LT2003-Raw	OH1801212	CUYAHOGA	NEDO
1853709-PP001	CLEVELAND MORGAN WTP-TP-PP001-Plant	OH1801212	CUYAHOGA	NEDO
1853709-PP002	CLEVELAND MORGAN WTP-TP-PP002-Plant	OH1801212	CUYAHOGA	NEDO
1853709-PP003	CLEVELAND MORGAN WTP-TP-PP003-Plant	OH1801212	CUYAHOGA	NEDO
1853709-PP004	CLEVELAND MORGAN WTP-TP-PP004-Plant	OH1801212	CUYAHOGA	NEDO

1853709-PP005	CLEVELAND MORGAN WTP-TP-PP005-Plant	OH1801212	CUYAHOGA	NEDO
1853710-EP004	CLEVELAND NOTTINGHAM WTP-TP-EP004-Plant	OH1801212	CUYAHOGA	NEDO
1853710-LT2004	CLEVELAND NOTTINGHAM WTP-TP-LT2004-Raw	OH1801212	CUYAHOGA	NEDO
1853710-PP001	CLEVELAND NOTTINGHAM WTP-TP-PP001-Plant	OH1801212	CUYAHOGA	NEDO
1853710-PP002	CLEVELAND NOTTINGHAM WTP-TP-PP002-Plant	OH1801212	CUYAHOGA	NEDO
1853710-PP003	CLEVELAND NOTTINGHAM WTP-TP-PP003-Plant	OH1801212	CUYAHOGA	NEDO
1853710-PP004	CLEVELAND NOTTINGHAM WTP-TP-PP004-Plant	OH1801212	CUYAHOGA	NEDO
1853710-PP005	CLEVELAND NOTTINGHAM WTP-TP-PP005-Plant	OH1801212	CUYAHOGA	NEDO
1861831-EP001	COLUMBIA PARK WATER SYSTEM MHP-OT-EP001-Plant	OH1841012	CUYAHOGA	NEDO
IN84427-RS002	IN FROM BEREA CITY BALDWIN CREEK INTAKE-IN-RS002-Raw	OH1800111	CUYAHOGA	NEDO
IN84430-RS003	IN FROM BEREA CITY COE LAKE INTAKE-IN-RS003-Raw	OH1800111	CUYAHOGA	NEDO
IN84422-RS001	IN FROM BEREA CITY EAST BRANCH OF ROCKY-IN-RS001-Raw	OH1800111	CUYAHOGA	NEDO
IN84442-RS001	IN FROM CLEVELAND CITY BALDWIN-IN-RS001-Raw	OH1801212	CUYAHOGA	NEDO
IN84447-RS002	IN FROM CLEVELAND CITY CROWN-IN-RS002-Raw	OH1801212	CUYAHOGA	NEDO
IN84452-RS003	IN FROM CLEVELAND CITY MORGAN-IN-RS003-Raw	OH1801212	CUYAHOGA	NEDO
IN84457-RS004	IN FROM CLEVELAND CITY NOTTINGHAM-IN-RS004-Raw	OH1801212	CUYAHOGA	NEDO
1853714-EP001	LAKEWOOD CITY-OT-EP001-Plant	OH1801003	CUYAHOGA	NEDO
1862473-EP001	UNIVERSITY HOSPITALS-TP-EP001-Plant	OH1841113	CUYAHOGA	NEDO
1862473-GWR001	UNIVERSITY HOSPITALS-TP-GWR001-Raw	OH1841113	CUYAHOGA	NEDO
1953749-EP001	GREENVILLE WTP-TP-EP001-Plant	OH1900714	DARKE	SWDO
1953749-LT2001	GREENVILLE WTP-TP-LT2001-Raw	OH1900714	DARKE	SWDO
1953749-PP001	GREENVILLE WTP-TP-PP001-Plant	OH1900714	DARKE	SWDO
1953749-PP002	GREENVILLE WTP-TP-PP002-Plant	OH1900714	DARKE	SWDO
1953749-PP003	GREENVILLE WTP-TP-PP003-Plant	OH1900714	DARKE	SWDO
1953749-PP004	GREENVILLE WTP-TP-PP004-Plant	OH1900714	DARKE	SWDO
1953749-PP005	GREENVILLE WTP-TP-PP005-Plant	OH1900714	DARKE	SWDO
IN84682-RSSW1	IN FROM GREENVILLE CITY GREENVILLE CREEK-IN-RSSW1-Raw	OH1900714	DARKE	SWDO
IN84685-RSSW2	IN FROM GREENVILLE CITY MUD CREEK INTAKE-IN-RSSW2-Raw	OH1900714	DARKE	SWDO
2053836-EP001	AYERSVILLE WATER & SEWER DIST-TP-EP001-Plant	OH2000903	DEFIANCE	NWDO
2062489-EP003	BRUNERSBURG AIRPORT/CHRISTY ROAD STU 3-TP-EP003-Plant	OH2001103	DEFIANCE	NWDO
2053838-EP001	BRUNERSBURG ELLIOT ROAD STU 1-TP-EP001-Plant	OH2001103	DEFIANCE	NWDO
OLD 2053839-EP001	BRUNERSBURG EVANS-OT-EP001-Plant	OH2001203	DEFIANCE	NWDO
2053839-EP001	BRUNERSBURG EVANST-TP-EP001-Plant	OH2001203	DEFIANCE	NWDO
2061612-EP002	BRUNERSBURG TINORA STU 2-TP-EP002-Plant	OH2001103	DEFIANCE	NWDO
2060951-EP001	BRUNERSBURG WATER DIST - TINORA-TP-EP001-Plant	OH2001303	DEFIANCE	NWDO
2060951-GWR001	BRUNERSBURG WATER DIST - TINORA-TP-GWR001-Raw	OH2001303	DEFIANCE	NWDO
OLD_2053837-RSPS1	CHRISTI WATER SYSTEM INC-TP-RSPS1-Raw	OH2001003	DEFIANCE	NWDO
2053837-EP001	CHRISTI WATER SYSTEM-OT-EP001-Plant	OH2001003	DEFIANCE	NWDO
2053830-EP001	DEFIANCE CITY-TP-EP001-Plant	OH2000111	DEFIANCE	NWDO
2053830-LT2001	DEFIANCE CITY-TP-LT2001-Raw	OH2000111	DEFIANCE	NWDO
2053830-PP001	DEFIANCE CITY-TP-PP001-Plant	OH2000111	DEFIANCE	NWDO
2053830-PP002	DEFIANCE CITY-TP-PP002-Plant	OH2000111	DEFIANCE	NWDO

2053830-PP003	DEFIANCE CITY-TP-PP003-Plant	OH2000111	DEFIANCE	NWDO
2053830-PP004	DEFIANCE CITY-TP-PP004-Plant	OH2000111	DEFIANCE	NWDO
2053830-PP005	DEFIANCE CITY-TP-PP005-Plant	OH2000111	DEFIANCE	NWDO
2060950-EP001	DEFIANCE CO BRUNERSBURG - AIRPORT-TP-EP001-Plant	OH2001403	DEFIANCE	NWDO
2060950-GWR001	DEFIANCE CO BRUNERSBURG - AIRPORT-TP-GWR001-Raw	OH2001403	DEFIANCE	NWDO
IN85167-RS001	INTAKE 1 MAUMEE RIVER-IN-RS001-Raw	OH2000111	DEFIANCE	NWDO
IN001-RS002	INTAKE 2 MAUMEE RIVER-IN-RS002-Raw	OH2000111	DEFIANCE	NWDO
IN002-RS003	INTAKE RESERVOIR-IN-RS003-Raw	OH2000111	DEFIANCE	NWDO
RS001-RSS31	RESERVOIR-RS-RSS31-Raw	OH2000111	DEFIANCE	NWDO
2153874-EP001	ASHLEY WTP-TP-EP001-Plant	OH2100011	DELAWARE	CDO
2153877-EP001	DELAWARE WTP-TP-EP001-Plant	OH2100311	DELAWARE	CDO
2153877-LT2001	DELAWARE WTP-TP-LT2001-Raw	OH2100311	DELAWARE	CDO
2153877-PP001	DELAWARE WTP-TP-PP001-Plant	OH2100311	DELAWARE	CDO
2153877-PP002	DELAWARE WTP-TP-PP002-Plant	OH2100311	DELAWARE	CDO
2153877-PP003	DELAWARE WTP-TP-PP003-Plant	OH2100311	DELAWARE	CDO
2153877-PP004	DELAWARE WTP-TP-PP004-Plant	OH2100311	DELAWARE	CDO
2153877-PP005	DELAWARE WTP-TP-PP005-Plant	OH2100311	DELAWARE	CDO
IN85419-RS011	DEL-CO ALUM CREEK RES-IN-RS011-Raw	OH2101412	DELAWARE	CDO
IN144016-RS010	DEL-CO MCNAMARA RES 1-IN-RS010-Raw	OH2101412	DELAWARE	CDO
IN85411-RS001	DEL-CO OLENTANGY RES-IN-RS001-Raw	OH2101412	DELAWARE	CDO
IN85411-RS002	DEL-CO OLENTANGY RES-IN-RS002-Raw	OH2101412	DELAWARE	CDO
IN85411-RS003	DEL-CO OLENTANGY RES-IN-RS003-Raw	OH2101412	DELAWARE	CDO
IN85411-RS004	DEL-CO OLENTANGY RES-IN-RS004-Raw	OH2101412	DELAWARE	CDO
IN149174-RS005	DEL-CO OLENTANGY RIVER-IN-RS005-Raw	OH2101412	DELAWARE	CDO
2153875-EP001	DEL-CO OLENTANGY WTP-TP-EP001-Plant	OH2101412	DELAWARE	CDO
2153875-LT2001	DEL-CO OLENTANGY WTP-TP-LT2001-Raw	OH2101412	DELAWARE	CDO
2153875-PP001	DEL-CO OLENTANGY WTP-TP-PP001-Plant	OH2101412	DELAWARE	CDO
2153875-PP002	DEL-CO OLENTANGY WTP-TP-PP002-Plant	OH2101412	DELAWARE	CDO
2153875-PP003	DEL-CO OLENTANGY WTP-TP-PP003-Plant	OH2101412	DELAWARE	CDO
2153875-PP004	DEL-CO OLENTANGY WTP-TP-PP004-Plant	OH2101412	DELAWARE	CDO
2153875-PP005	DEL-CO OLENTANGY WTP-TP-PP005-Plant	OH2101412	DELAWARE	CDO
RS005-RSSW5	MCNAMARA RES #2-RS-RSSW5-Raw	OH2101412	DELAWARE	CDO
IN85424-RS004	OLENTANGY NORTH INTAKE-IN-RS004-Raw	OH2100311	DELAWARE	CDO
RS002-RSSW2	OLENTANGY RES #2-RS-RSSW2-Raw	OH2101412	DELAWARE	CDO
RS003-RSSW3	OLENTANGY RES #3-RS-RSSW3-Raw	OH2101412	DELAWARE	CDO
RS004-RSSW4	OLENTANGY RES #4-RS-RSSW4-Raw	OH2101412	DELAWARE	CDO
IN85414-RS005	OLENTANGY SOUTH INTAKE-IN-RS005-Raw	OH2100311	DELAWARE	CDO
2153876-EP002	RE SCOTT WTP (ALUM CK)-TP-EP002-Plant	OH2101412	DELAWARE	CDO
2153876-LT2002	RE SCOTT WTP (ALUM CK)-TP-LT2002-Raw	OH2101412	DELAWARE	CDO
2153876-PP001	RE SCOTT WTP (ALUM CK)-TP-PP001-Plant	OH2101412	DELAWARE	CDO
2153876-PP002	RE SCOTT WTP (ALUM CK)-TP-PP002-Plant	OH2101412	DELAWARE	CDO
2153876-PP003	RE SCOTT WTP (ALUM CK)-TP-PP003-Plant	OH2101412	DELAWARE	CDO
2153876-PP004	RE SCOTT WTP (ALUM CK)-TP-PP004-Plant	OH2101412	DELAWARE	CDO
2153876-PP005	RE SCOTT WTP (ALUM CK)-TP-PP005-Plant	OH2101412	DELAWARE	CDO
2153876-RS016	RE SCOTT WTP (ALUM CK)-TP-RS016-Raw	OH2101412	DELAWARE	CDO
2153876-RS017	RE SCOTT WTP (ALUM CK)-TP-RS017-Raw	OH2101412	DELAWARE	CDO
2160741-EP004	TF MCNAMARA WTF (OLD STATE)-TP-EP004-Plant	OH2101412	DELAWARE	CDO
2160741-LT2004	TF MCNAMARA WTF (OLD STATE)-TP-LT2004-Raw	OH2101412	DELAWARE	CDO
2160741-PP001	TF MCNAMARA WTF (OLD STATE)-TP-PP001-Plant	OH2101412	DELAWARE	CDO
2160741-PP002	TF MCNAMARA WTF (OLD STATE)-TP-PP002-Plant	OH2101412	DELAWARE	CDO

2160741-PP003	TF MCNAMARA WTF (OLD STATE)-TP-PP003-Plant	OH2101412	DELAWARE	CDO
2160741-PP004	TF MCNAMARA WTF (OLD STATE)-TP-PP004-Plant	OH2101412	DELAWARE	CDO
2160741-PP005	TF MCNAMARA WTF (OLD STATE)-TP-PP005-Plant	OH2101412	DELAWARE	CDO
2153883-EP001	WESTERVILLE ESTATES MHP-OT-EP001-Plant	OH2101203	DELAWARE	CDO
2153884-EP001	WORTHINGTON ARMS MHC-OT-EP001-Plant	OH2101303	DELAWARE	CDO
2253920-EP001	CAMP PATMOS-TP-EP001-Plant	OH2230411	ERIE	NWDO
2253920-LT2001	CAMP PATMOS-TP-LT2001-Raw	OH2230411	ERIE	NWDO
2253911-EP001	ERIE CO HURON WEST DISTRICT-TP-EP001-Plant	OH2200903	ERIE	NWDO
2253905-EP001	ERIE CO MARGARETTA DISTRICT-TP-EP001-Plant	OH2200203	ERIE	NWDO
2253908-EP001	ERIE CO PERKINS DISTRICT-TP-EP001-Plant	OH2200603	ERIE	NWDO
2253907-EP001	ERIE CO. HURON EAST DISTRICT-TP-EP001-Plant	OH2200403	ERIE	NWDO
2253909-EP001	ERIE CO. HURON SOUTH DISTRICT TP-TP-EP001-Plant	OH2200703	ERIE	NWDO
2253910-EP001	ERIE CO. VERMILION DISTRICT-TP-EP001-Plant	OH2200803	ERIE	NWDO
2261972-EP001	ERIE CO. VERMILION WEST DISTRICT-TP-EP001-Plant	OH2201703	ERIE	NWDO
2261972-EP002	ERIE CO. VERMILION WEST DISTRICT-TP-EP002-Plant	OH2201703	ERIE	NWDO
2253912-EP001	HURON CITY-TP-EP001-Plant	OH2201011	ERIE	NWDO
2253912-LT2001	HURON CITY-TP-LT2001-Raw	OH2201011	ERIE	NWDO
2253912-PP001	HURON CITY-TP-PP001-Plant	OH2201011	ERIE	NWDO
2253912-PP002	HURON CITY-TP-PP002-Plant	OH2201011	ERIE	NWDO
2253912-PP003	HURON CITY-TP-PP003-Plant	OH2201011	ERIE	NWDO
2253912-PP004	HURON CITY-TP-PP004-Plant	OH2201011	ERIE	NWDO
2253912-PP005	HURON CITY-TP-PP005-Plant	OH2201011	ERIE	NWDO
IN85625-RSSW1	IN FROM HURON CITY LAKE ERIE INTAKE-IN-RSSW1-Raw	OH2201011	ERIE	NWDO
IN85677-RS001	INTAKE LAKE ERIE-IN-RS001-Raw	OH2230411	ERIE	NWDO
IN85630-RS001	INTAKE LAKE ERIE-IN-RS001-Raw	OH2201111	ERIE	NWDO
IN85651-RSSW1	INTAKE LAKE ERIE-IN-RSSW1-Raw	OH2201411	ERIE	NWDO
IN85659-RSSW1	INTAKE LAKE ERIE-IN-RSSW1-Raw	OH2201511	ERIE	NWDO
IN85654-RSSW2	INTAKE SANDUSKY BAY-IN-RSSW2-Raw	OH2201411	ERIE	NWDO
IN85662-RSSW2	INTAKE VERMILION RIVER-IN-RSSW2-Raw	OH2201511	ERIE	NWDO
2253913-EP001	KELLEYS ISLAND VILLAGE-TP-EP001-Plant	OH2201111	ERIE	NWDO
2253913-LT2001	KELLEYS ISLAND VILLAGE-TP-LT2001-Raw	OH2201111	ERIE	NWDO
2253913-PP001	KELLEYS ISLAND VILLAGE-TP-PP001-Plant	OH2201111	ERIE	NWDO
2253913-PP002	KELLEYS ISLAND VILLAGE-TP-PP002-Plant	OH2201111	ERIE	NWDO
2253913-PP003	KELLEYS ISLAND VILLAGE-TP-PP003-Plant	OH2201111	ERIE	NWDO
2253913-PP004	KELLEYS ISLAND VILLAGE-TP-PP004-Plant	OH2201111	ERIE	NWDO
2253913-PP005	KELLEYS ISLAND VILLAGE-TP-PP005-Plant	OH2201111	ERIE	NWDO
2253918-EP001	NORTHERN OHIO RURAL WATER NW DISTRICT-TP-EP001-Plant	OH2201803	ERIE	NWDO
2253916-EP001	SANDUSKY CITY-TP-EP001-Plant	OH2201411	ERIE	NWDO
2253916-LT2001	SANDUSKY CITY-TP-LT2001-Raw	OH2201411	ERIE	NWDO
2253916-PP001	SANDUSKY CITY-TP-PP001-Plant	OH2201411	ERIE	NWDO
2253916-PP002	SANDUSKY CITY-TP-PP002-Plant	OH2201411	ERIE	NWDO
2253916-PP003	SANDUSKY CITY-TP-PP003-Plant	OH2201411	ERIE	NWDO
2253916-PP004	SANDUSKY CITY-TP-PP004-Plant	OH2201411	ERIE	NWDO
2253916-PP005	SANDUSKY CITY-TP-PP005-Plant	OH2201411	ERIE	NWDO
2253917-EP001	VERMILION CITY-TP-EP001-Plant	OH2201511	ERIE	NWDO
2253917-LT2001	VERMILION CITY-TP-LT2001-Raw	OH2201511	ERIE	NWDO
2253917-PP001	VERMILION CITY-TP-PP001-Plant	OH2201511	ERIE	NWDO
2253917-PP002	VERMILION CITY-TP-PP002-Plant	OH2201511	ERIE	NWDO

2253917-PP003	VERMILION CITY-TP-PP003-Plant	OH2201511	ERIE	NWDO
2253917-PP004	VERMILION CITY-TP-PP004-Plant	OH2201511	ERIE	NWDO
2253917-PP005	VERMILION CITY-TP-PP005-Plant	OH2201511	ERIE	NWDO
IN86437-RS001	IN FROM WASHINGTON CH PAINT CK-IN-RS001-Raw	OH2400714	FAYETTE	CDO
IN86440-RS002	IN FROM WASHINGTON CH RESERVOIR-IN-RS002-Raw	OH2400714	FAYETTE	CDO
IN138828-RS003	IN FROM WASHINGTON CH RESERVOIR-IN-RS003-Raw	OH2400714	FAYETTE	CDO
2454045-EP001	WASHINGTON COURT HOUSE PWS-TP-EP001-Plant	OH2400714	FAYETTE	CDO
2454045-LT2001	WASHINGTON COURT HOUSE PWS-TP-LT2001-Raw	OH2400714	FAYETTE	CDO
2454045-PP001	WASHINGTON COURT HOUSE PWS-TP-PP001-Plant	OH2400714	FAYETTE	CDO
2454045-PP002	WASHINGTON COURT HOUSE PWS-TP-PP002-Plant	OH2400714	FAYETTE	CDO
2454045-PP003	WASHINGTON COURT HOUSE PWS-TP-PP003-Plant	OH2400714	FAYETTE	CDO
2454045-PP004	WASHINGTON COURT HOUSE PWS-TP-PP004-Plant	OH2400714	FAYETTE	CDO
2454045-PP005	WASHINGTON COURT HOUSE PWS-TP-PP005-Plant	OH2400714	FAYETTE	CDO
2554073-EP001	BEXLEY CITY-OT-EP001-Plant	OH2500103	FRANKLIN	CDO
2554076-EP001	COLUMBUS DUBLIN ROAD WTP-TP-EP001-Plant	OH2504412	FRANKLIN	CDO
2554076-LT2001	COLUMBUS DUBLIN ROAD WTP-TP-LT2001-Raw	OH2504412	FRANKLIN	CDO
2554076-PP001	COLUMBUS DUBLIN ROAD WTP-TP-PP001-Plant	OH2504412	FRANKLIN	CDO
2554076-PP002	COLUMBUS DUBLIN ROAD WTP-TP-PP002-Plant	OH2504412	FRANKLIN	CDO
2554076-PP003	COLUMBUS DUBLIN ROAD WTP-TP-PP003-Plant	OH2504412	FRANKLIN	CDO
2554076-PP004	COLUMBUS DUBLIN ROAD WTP-TP-PP004-Plant	OH2504412	FRANKLIN	CDO
2554076-PP005	COLUMBUS DUBLIN ROAD WTP-TP-PP005-Plant	OH2504412	FRANKLIN	CDO
2554077-EP002	COLUMBUS HAP CREMEAN WTP-TP-EP002-Plant	OH2504412	FRANKLIN	CDO
2554077-LT2002	COLUMBUS HAP CREMEAN WTP-TP-LT2002-Raw	OH2504412	FRANKLIN	CDO
2554077-PP001	COLUMBUS HAP CREMEAN WTP-TP-PP001-Plant	OH2504412	FRANKLIN	CDO
2554077-PP002	COLUMBUS HAP CREMEAN WTP-TP-PP002-Plant	OH2504412	FRANKLIN	CDO
2554077-PP003	COLUMBUS HAP CREMEAN WTP-TP-PP003-Plant	OH2504412	FRANKLIN	CDO
2554077-PP004	COLUMBUS HAP CREMEAN WTP-TP-PP004-Plant	OH2504412	FRANKLIN	CDO
2554077-PP005	COLUMBUS HAP CREMEAN WTP-TP-PP005-Plant	OH2504412	FRANKLIN	CDO
2554084-EP001	GAHANNA CITY-TP-EP001-Plant	OH2501303	FRANKLIN	CDO
IN86806-RS001	IN FROM WESTERVILLE CITY ALUM CREEK INTA-IN-RS001-Raw	OH2503411	FRANKLIN	CDO
IN86613-RS001	INTAKE AT DUBLIN RD SCIOTO RIVER-IN-RS001-Raw	OH2504412	FRANKLIN	CDO
IN86624-RS003	INTAKE AT HAP CREMEAN ALUM CREEK-IN-RS003-Raw	OH2504412	FRANKLIN	CDO
IN86618-RS007	INTAKE AT HAP CREMEAN BIG WALNUT-IN-RS007-Raw	OH2504412	FRANKLIN	CDO
IN86621-RS002	INTAKE AT HAP CREMEAN HOOVER RES-IN-RS002-Raw	OH2504412	FRANKLIN	CDO
IN123-RW123	INTAKE ON WET WILLIES CREEK-IN-RW123-Raw	OH2599912	FRANKLIN	CDO
IN123-RW123	INTAKE ON WET WILLIES CREEK-IN-RW123-Raw	OH2599912	FRANKLIN	NEDO
IN123-RW123	INTAKE ON WET WILLIES CREEK-IN-RW123-Raw	OH2599912	FRANKLIN	NWDO
IN123-RW123	INTAKE ON WET WILLIES CREEK-IN-RW123-Raw	OH2599912	FRANKLIN	SEDO
IN123-RW123	INTAKE ON WET WILLIES CREEK-IN-RW123-Raw	OH2599912	FRANKLIN	SWDO
2554109-EP001	OBETZ SATELLITE 1-OT-EP001-Plant	OH2504303	FRANKLIN	CDO
OLD_2554109-EP001	OBETZ SATELLITE 1-TP-EP001-Plant	OH2504303	FRANKLIN	CDO
2562157-EP001	OBETZ SATELLITE 6-OT-EP001-Plant	OH2566512	FRANKLIN	CDO
OLD_2562157-EP001	OBETZ SATELLITE 6-TP-EP001-Plant	OH2566512	FRANKLIN	CDO
2554100-EP001	REYNOLDSBURG WTP-OT-EP001-Plant	OH2503203	FRANKLIN	CDO
2554082-EP001	SANITARY DISTRICT 4-OT-EP001-Plant	OH2501003	FRANKLIN	CDO

2554102-EP001	WESTERVILLE WTP-TP-EP001-Plant	OH2503411	FRANKLIN	CDO
2554102-LT2001	WESTERVILLE WTP-TP-LT2001-Raw	OH2503411	FRANKLIN	CDO
2554102-PP001	WESTERVILLE WTP-TP-PP001-Plant	OH2503411	FRANKLIN	CDO
2554102-PP002	WESTERVILLE WTP-TP-PP002-Plant	OH2503411	FRANKLIN	CDO
2554102-PP003	WESTERVILLE WTP-TP-PP003-Plant	OH2503411	FRANKLIN	CDO
2554102-PP004	WESTERVILLE WTP-TP-PP004-Plant	OH2503411	FRANKLIN	CDO
2554102-PP005	WESTERVILLE WTP-TP-PP005-Plant	OH2503411	FRANKLIN	CDO
RS001-RS36511	271 MG BIG RESERVOIR-RS-RS36511-Raw	OH2600111	FULTON	NWDO
RS002-RS36496	70 MG LITTLE RESERVOIR-RS-RS36496-Raw	OH2600111	FULTON	NWDO
2654219-EP001	ARCHBOLD VILLAGE-TP-EP001-Plant	OH2600011	FULTON	NWDO
2654219-LT2001	ARCHBOLD VILLAGE-TP-LT2001-Raw	OH2600011	FULTON	NWDO
2654219-PP001	ARCHBOLD VILLAGE-TP-PP001-Plant	OH2600011	FULTON	NWDO
2654219-PP002	ARCHBOLD VILLAGE-TP-PP002-Plant	OH2600011	FULTON	NWDO
2654219-PP003	ARCHBOLD VILLAGE-TP-PP003-Plant	OH2600011	FULTON	NWDO
2654219-PP004	ARCHBOLD VILLAGE-TP-PP004-Plant	OH2600011	FULTON	NWDO
2654219-PP005	ARCHBOLD VILLAGE-TP-PP005-Plant	OH2600011	FULTON	NWDO
2662105-EP002	DELTA VILLAGE 2 FOR MEM FILT RO PLANT-TP-EP002-Plant	OH2600311	FULTON	NWDO
2662105-LT2001	DELTA VILLAGE 2 FOR MEM FILT RO PLANT-TP-LT2001-Raw	OH2600311	FULTON	NWDO
2662105-PP001	DELTA VILLAGE 2 FOR MEM FILT RO PLANT-TP-PP001-Plant	OH2600311	FULTON	NWDO
2662105-PP002	DELTA VILLAGE 2 FOR MEM FILT RO PLANT-TP-PP002-Plant	OH2600311	FULTON	NWDO
2662105-PP003	DELTA VILLAGE 2 FOR MEM FILT RO PLANT-TP-PP003-Plant	OH2600311	FULTON	NWDO
2662105-PP004	DELTA VILLAGE 2 FOR MEM FILT RO PLANT-TP-PP004-Plant	OH2600311	FULTON	NWDO
2662105-PP005	DELTA VILLAGE 2 FOR MEM FILT RO PLANT-TP-PP005-Plant	OH2600311	FULTON	NWDO
2654222-EP001	DELTA WTP- OLD PLANT DECOMMISSIONED-TP-EP001-Plant	OH2600311	FULTON	NWDO
2654230-EP001	FULTON/LUCAS WATERLINE-TP-EP001-Plant	OH2601403	FULTON	NWDO
IN87442-RSSW2	IN FROM WAUSEON CITY 271 MG BIG RESERV-IN-RSSW2-Raw	OH2600111	FULTON	NWDO
IN87455-RSSW4	IN FROM WAUSEON CITY 70 MG LITTL RESERV-IN-RSSW4-Raw	OH2600111	FULTON	NWDO
IN87439-RSSW1	INTAKE BIG DITCH-IN-RSSW1-Raw	OH2600111	FULTON	NWDO
IN87465-RS001	INTAKE BAD CREEK-IN-RS001-Raw	OH2600311	FULTON	NWDO
IN87431-RS002	INTAKE BRUSH CREEK-IN-RS002-Raw	OH2600011	FULTON	NWDO
IN252458-RS001	INTAKE FROM NAPOLEON MAUMEE RIVER-IN-RS001-Raw	OH2600111	FULTON	NWDO
IN87434-RSS001	INTAKE NORTH RESERVOIR-IN-RSS001-Raw	OH2600011	FULTON	NWDO
IN87468-RSS02	INTAKE RESERVOIR 2-IN-RSS02-Raw	OH2600311	FULTON	NWDO
IN87473-RSS01	INTAKE RESERVOIR 1-IN-RSS01-Raw	OH2600311	FULTON	NWDO
IN87505-RSSW2	INTAKE RESERVOIR-IN-RSSW2-Raw	OH2601011	FULTON	NWDO
IN87445-RSSW3	INTAKE STUCKY DITCH CREEK-IN-RSSW3-Raw	OH2600111	FULTON	NWDO
IN87502-RSSW1	INTAKE SWAN CREEK-IN-RSSW1-Raw	OH2601011	FULTON	NWDO
IN87428-RS001	INTAKE TIFFIN RIVER-IN-RS001-Raw	OH2600011	FULTON	NWDO
2654224-EP001	LYONS VILLAGE-TP-EP001-Plant	OH2600603	FULTON	NWDO
2662469-EP001	NORTHEAST WATER SYSTEM-TP-EP001-Plant	OH2637812	FULTON	NWDO
2662469-GWR001	NORTHEAST WATER SYSTEM-TP-GWR001-Raw	OH2637812	FULTON	NWDO
RS002-RS34199	RESERVOIR 1-RS-RS34199-Raw	OH2600311	FULTON	NWDO
RS001-RS36098	RESERVOIR 1-RS-RS36098-Raw	OH2600011	FULTON	NWDO

RS001-RS34198	RESERVOIR 2-RS-RS34198-Raw	OH2600311	FULTON	NWDO
RS002-RS36099	RESERVOIR 2-RS-RS36099-Raw	OH2600011	FULTON	NWDO
RS001-RS34482	RESERVOIR-RS-RS34482-Raw	OH2601011	FULTON	NWDO
2661362-EP001	SWAN CREEK WATER DISTRICT 2-OT-EP001-Plant	OH2601512	FULTON	NWDO
2660699-EP001	SWANCREEK WATER DISTRICT 1-OT-EP001-Plant	OH2601412	FULTON	NWDO
2654227-EP001	SWANTON VILLAGE-TP-EP001-Plant	OH2601011	FULTON	NWDO
2654227-LT2001	SWANTON VILLAGE-TP-LT2001-Raw	OH2601011	FULTON	NWDO
2654227-PP001	SWANTON VILLAGE-TP-PP001-Plant	OH2601011	FULTON	NWDO
2654227-PP002	SWANTON VILLAGE-TP-PP002-Plant	OH2601011	FULTON	NWDO
2654227-PP003	SWANTON VILLAGE-TP-PP003-Plant	OH2601011	FULTON	NWDO
2654227-PP004	SWANTON VILLAGE-TP-PP004-Plant	OH2601011	FULTON	NWDO
2654227-PP005	SWANTON VILLAGE-TP-PP005-Plant	OH2601011	FULTON	NWDO
2654220-EP001	WAUSEON CITY-TP-EP001-Plant	OH2600111	FULTON	NWDO
2654220-LT2001	WAUSEON CITY-TP-LT2001-Raw	OH2600111	FULTON	NWDO
2654220-PP001	WAUSEON CITY-TP-PP001-Plant	OH2600111	FULTON	NWDO
2654220-PP002	WAUSEON CITY-TP-PP002-Plant	OH2600111	FULTON	NWDO
2654220-PP003	WAUSEON CITY-TP-PP003-Plant	OH2600111	FULTON	NWDO
2654220-PP004	WAUSEON CITY-TP-PP004-Plant	OH2600111	FULTON	NWDO
2654220-PP005	WAUSEON CITY-TP-PP005-Plant	OH2600111	FULTON	NWDO
IN87730-RSSW1	IN FROM RIO GRANDE INDIAN CREEK RESERVOIR-IN-RSSW1-Raw	OH2700316	GALLIA	SEDO
2854470-EP001	BP OIL CHESTERLAND SITE 4052-TP-EP001-Plant	OH2856008	GEAUGA	NEDO
2854298-EP001	GEAUGA COUNTY BAINBRIDGE WATER-TP-EP001-Plant	OH2804003	GEAUGA	NEDO
2954607-EP001	GREENE COUNTY - CLYO-OT-EP001-Plant	OH2904203	GREENE	SWDO
2954586-EP001	GREENE COUNTY - DAY-OT-EP001-Plant	OH2900803	GREENE	SWDO
2954608-EP001	GREENE COUNTY - KITRIDGE-OT-EP001-Plant	OH2905003	GREENE	SWDO
2954606-EP001	GREENE COUNTY - SWIGART-OT-EP001-Plant	OH2904103	GREENE	SWDO
IN90410-RSSW2	INTAKE-CAMBRIDGE RESERVOIR-IN-RSSW2-Raw	OH3000111	GUERNSEY	SEDO
IN90464-RSSW1	INTAKE-LEATHERWOOD CK-IN-RSSW1-Raw	OH3001011	GUERNSEY	SEDO
IN90407-RSSW1	INTAKE-WILLS CREEK-IN-RSSW1-Raw	OH3000111	GUERNSEY	SEDO
3054716-EP001	WESTERN GUERNSEY REG WAT DIST-OT-EP001-Plant	OH3001103	GUERNSEY	SEDO
3054707-EP001	WTP-CAMBRIDGE-TP-EP001-Plant	OH3000111	GUERNSEY	SEDO
3054707-LT2001	WTP-CAMBRIDGE-TP-LT2001-Raw	OH3000111	GUERNSEY	SEDO
3054707-PP001	WTP-CAMBRIDGE-TP-PP001-Plant	OH3000111	GUERNSEY	SEDO
3054707-PP002	WTP-CAMBRIDGE-TP-PP002-Plant	OH3000111	GUERNSEY	SEDO
3054707-PP003	WTP-CAMBRIDGE-TP-PP003-Plant	OH3000111	GUERNSEY	SEDO
3054707-PP004	WTP-CAMBRIDGE-TP-PP004-Plant	OH3000111	GUERNSEY	SEDO
3054707-PP005	WTP-CAMBRIDGE-TP-PP005-Plant	OH3000111	GUERNSEY	SEDO
3054712-EP001	WTP-GUERNSEY CO WATER DEPT-TP-EP001-Plant	OH3000603	GUERNSEY	SEDO
3054706-EP002	WTP-PLANT #2-TP-EP002-Plant	OH3001212	GUERNSEY	SEDO
3054706-GWR002	WTP-PLANT #2-TP-GWR002-Raw	OH3001212	GUERNSEY	SEDO
3054706-LT2002	WTP-PLANT #2-TP-LT2002-Raw	OH3001212	GUERNSEY	SEDO
OLD_3054715-EP001	WTP-QUAKER CITY-TP-EP001-Plant	OH3001011	GUERNSEY	SEDO
3162411-EP001	CINCINNATI CHILDRENS HOSP IONIZATION SYS-TP-EP001-Plant	OH3139912	HAMILTON	SWDO
3162411-GWR001	CINCINNATI CHILDRENS HOSP IONIZATION SYS-TP-GWR001-Raw	OH3139912	HAMILTON	SWDO
3154744-EP001	CINCINNATI PWS MILLER PLANT-TP-EP001-Plant	OH3102612	HAMILTON	SWDO
3154744-LT2001	CINCINNATI PWS MILLER PLANT-TP-LT2001-Raw	OH3102612	HAMILTON	SWDO
3154744-PP001	CINCINNATI PWS MILLER PLANT-TP-PP001-Plant	OH3102612	HAMILTON	SWDO

3154744-PP002	CINCINNATI PWS MILLER PLANT-TP-PP002-Plant	OH3102612	HAMILTON	SWDO
3154744-PP003	CINCINNATI PWS MILLER PLANT-TP-PP003-Plant	OH3102612	HAMILTON	SWDO
3154744-PP004	CINCINNATI PWS MILLER PLANT-TP-PP004-Plant	OH3102612	HAMILTON	SWDO
3154744-PP005	CINCINNATI PWS MILLER PLANT-TP-PP005-Plant	OH3102612	HAMILTON	SWDO
IN90626-RSSW1	IN FROM CINCINNATI MILLER PLANT OHIO RIV-IN-RSSW1-Raw	OH3102612	HAMILTON	SWDO
IN35905-RSSW2	IN FROM CINCINNATI MILLER PLT OHIO RIV S-IN-RSSW2-Raw	OH3102612	HAMILTON	SWDO
3154756-EP001	NORWOOD VILLAGE OF-TP-EP001-Plant	OH3101703	HAMILTON	SWDO
3154757-EP001	READING CITY-OT-EP001-Plant	OH3101812	HAMILTON	SWDO
RS001-RS301	RESERVOIR # 1-RS-RS301-Raw	OH3102612	HAMILTON	SWDO
RS002-RS302	RESERVOIR # 2-RS-RS302-Raw	OH3102612	HAMILTON	SWDO
3162415-EP001	UCH CCP 5TH FLOOR IONIZATION SYS-TP-EP001-Plant	OH3139915	HAMILTON	SWDO
3162415-GWR001	UCH CCP 5TH FLOOR IONIZATION SYS-TP-GWR001-Raw	OH3139915	HAMILTON	SWDO
3162413-EP001	UCH MAIN HOSPITAL B 130 IONIZATION SYS-TP-EP001-Plant	OH3139913	HAMILTON	SWDO
3162413-GWR001	UCH MAIN HOSPITAL B 130 IONIZATION SYS-TP-GWR001-Raw	OH3139913	HAMILTON	SWDO
3260949-EP001	ARCADIA VILLAGE-TP-EP001-Plant	OH3200903	HANCOCK	NWDO
3254797-EP001	FINDLAY CITY-TP-EP001-Plant	OH3200111	HANCOCK	NWDO
3254797-LT2001	FINDLAY CITY-TP-LT2001-Raw	OH3200111	HANCOCK	NWDO
3254797-PP001	FINDLAY CITY-TP-PP001-Plant	OH3200111	HANCOCK	NWDO
3254797-PP002	FINDLAY CITY-TP-PP002-Plant	OH3200111	HANCOCK	NWDO
3254797-PP003	FINDLAY CITY-TP-PP003-Plant	OH3200111	HANCOCK	NWDO
3254797-PP004	FINDLAY CITY-TP-PP004-Plant	OH3200111	HANCOCK	NWDO
3254797-PP005	FINDLAY CITY-TP-PP005-Plant	OH3200111	HANCOCK	NWDO
IN90987-RSSW1	INTAKE BLANCHARD RIVER 1-IN-RSSW1-Raw	OH3200111	HANCOCK	NWDO
IN35908-RSSW3	INTAKE BLANCHARD RIVER 2-IN-RSSW3-Raw	OH3200111	HANCOCK	NWDO
IN91000-RSSW1	INTAKE RADER CREEK-IN-RSSW1-Raw	OH3200411	HANCOCK	NWDO
IN91003-RSSW2	INTAKE RESERVIOR-IN-RSSW2-Raw	OH3200411	HANCOCK	NWDO
IN35910-RSSW4	INTAKE RESERVOIR 1-IN-RSSW4-Raw	OH3200111	HANCOCK	NWDO
IN90990-RSSW2	INTAKE RESERVOIRS 4-IN-RSSW2-Raw	OH3200111	HANCOCK	NWDO
3254799-EP001	MCCOMB VILLAGE-TP-EP001-Plant	OH3200411	HANCOCK	NWDO
3254799-LT2001	MCCOMB VILLAGE-TP-LT2001-Raw	OH3200411	HANCOCK	NWDO
3254799-PP001	MCCOMB VILLAGE-TP-PP001-Plant	OH3200411	HANCOCK	NWDO
3254799-PP002	MCCOMB VILLAGE-TP-PP002-Plant	OH3200411	HANCOCK	NWDO
3254799-PP003	MCCOMB VILLAGE-TP-PP003-Plant	OH3200411	HANCOCK	NWDO
3254799-PP004	MCCOMB VILLAGE-TP-PP004-Plant	OH3200411	HANCOCK	NWDO
3254799-PP005	MCCOMB VILLAGE-TP-PP005-Plant	OH3200411	HANCOCK	NWDO
RS002-RS34260	RESERVOIR #2 (4.5 BILLION GALLONS)-RS-RS34260-Raw	OH3200111	HANCOCK	NWDO
RS001-RS34259	RESERVOIR 1 (1.3 BILLION GALLONS)-RS-RS34259-Raw	OH3200111	HANCOCK	NWDO
RS001-RS001	RESERVOIR 1-RS-RS001-Raw	OH3200411	HANCOCK	NWDO
RS002-RS002	RESERVOIR 2-RS-RS002-Raw	OH3200411	HANCOCK	NWDO
3454933-EP001	CADIZ WTP-TP-EP001-Plant	OH3400214	HARRISON	SEDO
3454933-LT2001	CADIZ WTP-TP-LT2001-Raw	OH3400214	HARRISON	SEDO
3454933-PP001	CADIZ WTP-TP-PP001-Plant	OH3400214	HARRISON	SEDO
3454933-PP002	CADIZ WTP-TP-PP002-Plant	OH3400214	HARRISON	SEDO
3454933-PP003	CADIZ WTP-TP-PP003-Plant	OH3400214	HARRISON	SEDO
3454933-PP004	CADIZ WTP-TP-PP004-Plant	OH3400214	HARRISON	SEDO

3454933-PP005	CADIZ WTP-TP-PP005-Plant	OH3400214	HARRISON	SEDO
3454946-EP001	HCWSD-UNIONVALE-KENWOOD-OT-EP001-Plant	OH3401503	HARRISON	SEDO
OLD_3454939-EP001	HOPEDALE PWS-TP-EP001-Plant	OH3400811	HARRISON	SEDO
3454939-EP001	HOPEDALE VILLAGE-OT-EP001-Plant	OH3400811	HARRISON	SEDO
IN148012-RS004	IN FROM CADIZ TAPPAN LAKE INTAKE-IN-RS004-Raw	OH3400214	HARRISON	SEDO
IN91721-RS001	IN FROM CADIZ VILLAGE SPARROW RESERVOIR-IN-RS001-Raw	OH3400214	HARRISON	SEDO
IN91767-RSSW1	IN FROM HOPEDALE VILLAGE POND NO 1 INTAK-IN-RSSW1-Raw	OH3400811	HARRISON	SEDO
IN91770-RSSW2	IN FROM HOPEDALE VILLAGE POND NO 2 INTAK-IN-RSSW2-Raw	OH3400811	HARRISON	SEDO
3554996-EP001	CAMPBELL SOUP SUPPLY CO-TP-EP001-Plant	OH3531411	HENRY	NWDO
3554996-LT2001	CAMPBELL SOUP SUPPLY CO-TP-LT2001-Raw	OH3531411	HENRY	NWDO
3554996-PP001	CAMPBELL SOUP SUPPLY CO-TP-PP001-Plant	OH3531411	HENRY	NWDO
3554996-PP002	CAMPBELL SOUP SUPPLY CO-TP-PP002-Plant	OH3531411	HENRY	NWDO
3554996-PP003	CAMPBELL SOUP SUPPLY CO-TP-PP003-Plant	OH3531411	HENRY	NWDO
3554996-PP004	CAMPBELL SOUP SUPPLY CO-TP-PP004-Plant	OH3531411	HENRY	NWDO
3554996-PP005	CAMPBELL SOUP SUPPLY CO-TP-PP005-Plant	OH3531411	HENRY	NWDO
3554991-EP001	FLORIDA, VILLAGE OF-TP-EP001-Plant	OH3501203	HENRY	NWDO
3561990-EP001	HENRY CO REGIONAL WSD - SR108-TP-EP001-Plant	OH3539214	HENRY	NWDO
3561990-GWR001	HENRY CO REGIONAL WSD - SR108-TP-GWR001-Raw	OH3539214	HENRY	NWDO
3562299-EP001	HENRY COUNTY REGIONAL WSD - CO RD P-TP-EP001-Plant	OH3539212	HENRY	NWDO
3562299-GWR001	HENRY COUNTY REGIONAL WSD - CO RD P-TP-GWR001-Raw	OH3539212	HENRY	NWDO
3554988-EP001	HENRY COUNTY WATER DISTRICT - MCCLURE-TP-EP001-Plant	OH3500711	HENRY	NWDO
3554988-LT2001	HENRY COUNTY WATER DISTRICT - MCCLURE-TP-LT2001-Raw	OH3500711	HENRY	NWDO
3562300-EP002	HENRY COUNTY WATER DISTRICT-MCCLURE 2-TP-EP002-Plant	OH3500711	HENRY	NWDO
3562300-GWR002	HENRY COUNTY WATER DISTRICT-MCCLURE 2-TP-GWR002-Raw	OH3500711	HENRY	NWDO
IN92090-RSSW1	INTAKE MAUMEE RIVER 1-IN-RSSW1-Raw	OH3531411	HENRY	NWDO
IN35912-RS002	INTAKE MAUMEE RIVER 2-IN-RS002-Raw	OH3531411	HENRY	NWDO
IN92055-RSSW1	INTAKE MAUMEE RIVER CRIB-IN-RSSW1-Raw	OH3500811	HENRY	NWDO
IN92050-RS001	INTAKE MAUMEE RIVER-IN-RS001-Raw	OH3500711	HENRY	NWDO
IN147976-RS002	INTAKE WAUSEON 300 MG RESERVOIR-IN-RS002-Raw	OH3500811	HENRY	NWDO
IN147977-RS001	INTAKE WAUSEON 50 MG RESERVOIR-IN-RS001-Raw	OH3500811	HENRY	NWDO
3554987-EP001	LIBERTY CENTER VLG-TP-EP001-Plant	OH3500603	HENRY	NWDO
3554992-EP001	MALINTA VILLAGE-TP-EP001-Plant	OH3501403	HENRY	NWDO
3554989-EP001	NAPOLEON CITY-TP-EP001-Plant	OH3500811	HENRY	NWDO
3554989-LT2001	NAPOLEON CITY-TP-LT2001-Raw	OH3500811	HENRY	NWDO
3554989-PP001	NAPOLEON CITY-TP-PP001-Plant	OH3500811	HENRY	NWDO
3554989-PP002	NAPOLEON CITY-TP-PP002-Plant	OH3500811	HENRY	NWDO
3554989-PP003	NAPOLEON CITY-TP-PP003-Plant	OH3500811	HENRY	NWDO
3554989-PP004	NAPOLEON CITY-TP-PP004-Plant	OH3500811	HENRY	NWDO
3554989-PP005	NAPOLEON CITY-TP-PP005-Plant	OH3500811	HENRY	NWDO
3655023-EP001	HILLSBORO WTP-TP-EP001-Plant	OH3600614	HIGHLAND	SWDO
3655023-LT2001	HILLSBORO WTP-TP-LT2001-Raw	OH3600614	HIGHLAND	SWDO

3655023-PP001	HILLSBORO WTP-TP-PP001-Plant	OH3600614	HIGHLAND	SWDO
3655023-PP002	HILLSBORO WTP-TP-PP002-Plant	OH3600614	HIGHLAND	SWDO
3655023-PP003	HILLSBORO WTP-TP-PP003-Plant	OH3600614	HIGHLAND	SWDO
3655023-PP004	HILLSBORO WTP-TP-PP004-Plant	OH3600614	HIGHLAND	SWDO
3655023-PP005	HILLSBORO WTP-TP-PP005-Plant	OH3600614	HIGHLAND	SWDO
IN92253-RS001	IN FROM HILLSBORO CITY CLEAR CREEK INTAK-IN-RS001-Raw	OH3600614	HIGHLAND	SWDO
IN92259-RS003	IN FROM HILLSBORO CITY QUARRY INTAKE-IN-RS003-Raw	OH3600614	HIGHLAND	SWDO
IN92256-RS002	IN FROM HILLSBORO CITY RESERVOIR INTAKE-IN-RS002-Raw	OH3600614	HIGHLAND	SWDO
IN92648-RSSW1	IN FROM ODNR HOCKING HILLS ST PK ROSE LA-IN-RSSW1-Raw	OH3736411	HOCKING	SEDO
3755093-EP001	ODNR HOCKING HILLS STATE PARK-TP-EP001-Plant	OH3736411	HOCKING	SEDO
3755093-LT2001	ODNR HOCKING HILLS STATE PARK-TP-LT2001-Raw	OH3736411	HOCKING	SEDO
3755093-PP001	ODNR HOCKING HILLS STATE PARK-TP-PP001-Plant	OH3736411	HOCKING	SEDO
3755093-PP002	ODNR HOCKING HILLS STATE PARK-TP-PP002-Plant	OH3736411	HOCKING	SEDO
3755093-PP003	ODNR HOCKING HILLS STATE PARK-TP-PP003-Plant	OH3736411	HOCKING	SEDO
3755093-PP004	ODNR HOCKING HILLS STATE PARK-TP-PP004-Plant	OH3736411	HOCKING	SEDO
3755093-PP005	ODNR HOCKING HILLS STATE PARK-TP-PP005-Plant	OH3736411	HOCKING	SEDO
3955235-EP001	BELLEVUE CITY-TP-EP001-Plant	OH3900011	HURON	NWDO
3955235-LT2001	BELLEVUE CITY-TP-LT2001-Raw	OH3900011	HURON	NWDO
3955235-PP001	BELLEVUE CITY-TP-PP001-Plant	OH3900011	HURON	NWDO
3955235-PP002	BELLEVUE CITY-TP-PP002-Plant	OH3900011	HURON	NWDO
3955235-PP003	BELLEVUE CITY-TP-PP003-Plant	OH3900011	HURON	NWDO
3955235-PP004	BELLEVUE CITY-TP-PP004-Plant	OH3900011	HURON	NWDO
3955235-PP005	BELLEVUE CITY-TP-PP005-Plant	OH3900011	HURON	NWDO
IN93500-RSSW1	BUCK CREEK INTAKE-IN-RSSW1-Raw	OH3900911	HURON	NWDO
IN93521-RSSW3	HURON RIVER INTAKE-IN-RSSW3-Raw	OH3901111	HURON	NWDO
IN93560-RS001	IN FROM NEW LONDON PLANT 2 BUCK CREEK IN-IN-RS001-Raw	OH3902611	HURON	NWDO
IN93563-RS002	IN FROM NEW LONDON PLANT 2 UPGROUND RESE-IN-RS002-Raw	OH3902611	HURON	NWDO
IN35914-RSS03	INTAKE BIG DITCH-IN-RSS03-Raw	OH3900011	HURON	NWDO
IN001-RSSW6	INTAKE E BRANCH HURON RIVER-IN-RSSW6-Raw	OH3901111	HURON	NWDO
IN93432-RSS01	INTAKE FRINK RUN-IN-RSS01-Raw	OH3900011	HURON	NWDO
IN93495-RSSW1	INTAKE HURON RIVER-IN-RSSW1-Raw	OH3900811	HURON	NWDO
IN35918-RSS04	INTAKE MILLER/BERRY DITCH-IN-RSS04-Raw	OH3900011	HURON	NWDO
IN93435-RSS05	INTAKE RESERVOIR 5-IN-RSS05-Raw	OH3900011	HURON	NWDO
IN227755-RS001	INTAKE RESERVOIR-IN-RS001-Raw	OH3900811	HURON	NWDO
IN93537-RSSW2	INTAKE RESERVOIR-IN-RSSW2-Raw	OH3901511	HURON	NWDO
IN93534-RSSW1	INTAKE W BRANCH HURON RIVER-IN-RSSW1-Raw	OH3901511	HURON	NWDO
3955248-EP001	IRBW PROPERTIES LTD DBA WILLARD MHP-OT-EP001-Plant	OH3901612	HURON	NWDO
3955248-GWR001	IRBW PROPERTIES LTD DBA WILLARD MHP-OT-GWR001-Raw	OH3901612	HURON	NWDO
IN35920-RSSW4	LOWER RESERVOIR INTAKE 1-IN-RSSW4-Raw	OH3901111	HURON	NWDO
IN93515-RSSW1	LOWER RESERVOIR INTAKE 2-IN-RSSW1-Raw	OH3901111	HURON	NWDO
RS003-RS34515	LOWER RESERVOIR-RS-RS34515-Raw	OH3901111	HURON	NWDO
IN93518-RSSW2	MEMORIAL RESERVOIR INTAKE-IN-RSSW2-Raw	OH3901111	HURON	NWDO
RS002-RS34514	MEMORIAL RESERVOIR-RS-RS34514-Raw	OH3901111	HURON	NWDO
3955241-EP001	MONROEVILLE VILLAGE-TP-EP001-Plant	OH3900811	HURON	NWDO
3955241-LT2001	MONROEVILLE VILLAGE-TP-LT2001-Raw	OH3900811	HURON	NWDO

3955241-PP001	MONROEVILLE VILLAGE-TP-PP001-Plant	OH3900811	HURON	NWDO
3955241-PP002	MONROEVILLE VILLAGE-TP-PP002-Plant	OH3900811	HURON	NWDO
3955241-PP003	MONROEVILLE VILLAGE-TP-PP003-Plant	OH3900811	HURON	NWDO
3955241-PP004	MONROEVILLE VILLAGE-TP-PP004-Plant	OH3900811	HURON	NWDO
3955241-PP005	MONROEVILLE VILLAGE-TP-PP005-Plant	OH3900811	HURON	NWDO
3955241-RS001	MONROEVILLE VILLAGE-TP-RS001-Raw	OH3900811	HURON	NWDO
3955252-EP001	NEW LONDON PLANT NO 2-TP-EP001-Plant	OH3902611	HURON	NWDO
3955252-LT2001	NEW LONDON PLANT NO 2-TP-LT2001-Plant	OH3902611	HURON	NWDO
3955252-PP001	NEW LONDON PLANT NO 2-TP-PP001-Plant	OH3902611	HURON	NWDO
3955252-PP002	NEW LONDON PLANT NO 2-TP-PP002-Plant	OH3902611	HURON	NWDO
3955252-PP003	NEW LONDON PLANT NO 2-TP-PP003-Plant	OH3902611	HURON	NWDO
3955252-PP004	NEW LONDON PLANT NO 2-TP-PP004-Plant	OH3902611	HURON	NWDO
3955252-PP005	NEW LONDON PLANT NO 2-TP-PP005-Plant	OH3902611	HURON	NWDO
3955242-EP001	NEW LONDON VILLAGE-TP-EP001-Plant	OH3900911	HURON	NWDO
3955242-LT2001	NEW LONDON VILLAGE-TP-LT2001-Raw	OH3900911	HURON	NWDO
3955242-PP001	NEW LONDON VILLAGE-TP-PP001-Plant	OH3900911	HURON	NWDO
3955242-PP002	NEW LONDON VILLAGE-TP-PP002-Plant	OH3900911	HURON	NWDO
3955242-PP003	NEW LONDON VILLAGE-TP-PP003-Plant	OH3900911	HURON	NWDO
3955242-PP004	NEW LONDON VILLAGE-TP-PP004-Plant	OH3900911	HURON	NWDO
3955242-PP005	NEW LONDON VILLAGE-TP-PP005-Plant	OH3900911	HURON	NWDO
3962164-EP002	NORTHERN OHIO RURAL WATER CLARKSFIELD-TP-EP002-Plant	OH3902403	HURON	NWDO
3961571-EP001	NORTHERN OHIO RURAL WATER- SE DISTRICT-OT-EP001-Plant	OH3946612	HURON	NWDO
3955250-EP001	NORTHERN OHIO RURAL WATER-TP-EP001-Plant	OH3902403	HURON	NWDO
3962346-EP001	NORW - SOUTH DISTRICT-TP-EP001-Plant	OH3946712	HURON	NWDO
3955244-EP001	NORWALK CITY-TP-EP001-Plant	OH3901111	HURON	NWDO
3955244-LT2001	NORWALK CITY-TP-LT2001-Raw	OH3901111	HURON	NWDO
3955244-PP001	NORWALK CITY-TP-PP001-Plant	OH3901111	HURON	NWDO
3955244-PP002	NORWALK CITY-TP-PP002-Plant	OH3901111	HURON	NWDO
3955244-PP003	NORWALK CITY-TP-PP003-Plant	OH3901111	HURON	NWDO
3955244-PP004	NORWALK CITY-TP-PP004-Plant	OH3901111	HURON	NWDO
3955244-PP005	NORWALK CITY-TP-PP005-Plant	OH3901111	HURON	NWDO
RS001-RS34423	RESERVOIR 1-RS-RS34423-Raw	OH3900011	HURON	NWDO
RS003-RS34425	RESERVOIR 3-RS-RS34425-Raw	OH3900011	HURON	NWDO
RS004-RS34428	RESERVOIR 4-RS-RS34428-Raw	OH3900011	HURON	NWDO
RS005-RS34430	RESERVOIR 5-RS-RS34430-Raw	OH3900011	HURON	NWDO
RS001-RS401	RESERVOIR-RS-RS401-Raw	OH3900811	HURON	NWDO
RS001-RSS001	RESERVOIR-RS-RSS001-Raw	OH3901511	HURON	NWDO
IN93503-RSSW2	UPGROUND RESERVOIR INTAKE-IN-RSSW2-Raw	OH3900911	HURON	NWDO
RS001-RS501	UPGROUND RESERVOIR-RS-RS501-Raw	OH3900911	HURON	NWDO
RS001-RSS41	UPGROUND RESERVOIR-RS-RSS41-Raw	OH3902611	HURON	NWDO
IN35922-RSSW5	UPPER RESERVOIR SPILLWAY-IN-RSSW5-Raw	OH3901111	HURON	NWDO
RS001-RS34513	UPPER RESERVOIR-RS-RS34513-Raw	OH3901111	HURON	NWDO
3955246-EP001	WAKEMAN VILLAGE PWS-TP-EP001-Plant	OH3901411	HURON	NWDO
3955247-EP001	WILLARD CITY-TP-EP001-Plant	OH3901511	HURON	NWDO
3955247-LT2001	WILLARD CITY-TP-LT2001-Raw	OH3901511	HURON	NWDO
3955247-PP001	WILLARD CITY-TP-PP001-Plant	OH3901511	HURON	NWDO
3955247-PP002	WILLARD CITY-TP-PP002-Plant	OH3901511	HURON	NWDO
3955247-PP003	WILLARD CITY-TP-PP003-Plant	OH3901511	HURON	NWDO
3955247-PP004	WILLARD CITY-TP-PP004-Plant	OH3901511	HURON	NWDO
3955247-PP005	WILLARD CITY-TP-PP005-Plant	OH3901511	HURON	NWDO

IN003-RSS13	INTAKE - BUCKEYE CREEK-IN-RSS13-Raw	OH4000111	JACKSON	SEDO
IN93721-RSSW1	INTAKE - HAMMERTOWN LAKE-IN-RSSW1-Raw	OH4000111	JACKSON	SEDO
IN93726-RSSW2	INTAKE - JISCO LAKE-IN-RSSW2-Raw	OH4000111	JACKSON	SEDO
IN004-RSSW4	INTAKE-CITY IMPOUNDMENT (N-WTP)-IN-RSSW4-Raw	OH4001912	JACKSON	SEDO
IN93746-RSSW2	INTAKE-LAKE ALMA (N-WTP)-IN-RSSW2-Raw	OH4001912	JACKSON	SEDO
IN93749-RSSW3	INTAKE-LAKE RUPERT (N-WTP)-IN-RSSW3-Raw	OH4001912	JACKSON	SEDO
IN93741-RSSW1	INTAKE-LITTLE RACCOON CK (N-WTP)-IN-RSSW1-Raw	OH4001912	JACKSON	SEDO
4055297-EP001	JACKSON COUNTY WATER JAC-M-OT-EP001-Plant	OH4001603	JACKSON	SEDO
4055282-EP001	WTP - JACKSON-TP-EP001-Plant	OH4000111	JACKSON	SEDO
4055282-LT2001	WTP - JACKSON-TP-LT2001-Raw	OH4000111	JACKSON	SEDO
4055282-PP001	WTP - JACKSON-TP-PP001-Plant	OH4000111	JACKSON	SEDO
4055282-PP002	WTP - JACKSON-TP-PP002-Plant	OH4000111	JACKSON	SEDO
4055282-PP003	WTP - JACKSON-TP-PP003-Plant	OH4000111	JACKSON	SEDO
4055282-PP004	WTP - JACKSON-TP-PP004-Plant	OH4000111	JACKSON	SEDO
4055282-PP005	WTP - JACKSON-TP-PP005-Plant	OH4000111	JACKSON	SEDO
4055286-EP001	WTP-NORTH WELLSTON-TP-EP001-Plant	OH4001912	JACKSON	SEDO
4055286-LT2001	WTP-NORTH WELLSTON-TP-LT2001-Raw	OH4001912	JACKSON	SEDO
4055286-PP001	WTP-NORTH WELLSTON-TP-PP001-Plant	OH4001912	JACKSON	SEDO
4055286-PP002	WTP-NORTH WELLSTON-TP-PP002-Plant	OH4001912	JACKSON	SEDO
4055286-PP003	WTP-NORTH WELLSTON-TP-PP003-Plant	OH4001912	JACKSON	SEDO
4055286-PP004	WTP-NORTH WELLSTON-TP-PP004-Plant	OH4001912	JACKSON	SEDO
4055286-PP005	WTP-NORTH WELLSTON-TP-PP005-Plant	OH4001912	JACKSON	SEDO
4055287-EP002	WTP-SOUTH WELLSTON-TP-EP002-Plant	OH4001912	JACKSON	SEDO
4055287-LT2002	WTP-SOUTH WELLSTON-TP-LT2002-Raw	OH4001912	JACKSON	SEDO
4055287-PP001	WTP-SOUTH WELLSTON-TP-PP001-Plant	OH4001912	JACKSON	SEDO
4055287-PP002	WTP-SOUTH WELLSTON-TP-PP002-Plant	OH4001912	JACKSON	SEDO
4055287-PP003	WTP-SOUTH WELLSTON-TP-PP003-Plant	OH4001912	JACKSON	SEDO
4055287-PP004	WTP-SOUTH WELLSTON-TP-PP004-Plant	OH4001912	JACKSON	SEDO
4055287-PP005	WTP-SOUTH WELLSTON-TP-PP005-Plant	OH4001912	JACKSON	SEDO
IN93860-RSR01	IN FROM MINGO JUNCTION RANNEY NORTH WELL-IN-RSR01-Raw	OH4101612	JEFFERSON	SEDO
IN93918-RSSW1	IN FROM OHIO RIVER-IN-RSSW1-Raw	OH4102811	JEFFERSON	SEDO
IN93899-RSSW1	IN FROM STEUBENVILLE CITY OHIO RIVER INT-IN-RSSW1-Raw	OH4102411	JEFFERSON	SEDO
4155312-EP001	JEFFERSON CO SANITARY DIST J-OT-EP001-Plant	OH4101003	JEFFERSON	SEDO
4155313-EP001	JEFFERSON CO SANITARY DIST M STU 1-TP-EP001-Plant	OH4101103	JEFFERSON	SEDO
4155314-EP001	JEFFERSON COUNTY SANITARY DIST O-OT-EP001-Plant	OH4101203	JEFFERSON	SEDO
4161353-EP001	RICHMOND STU 3-TP-EP001-Plant	OH4102012	JEFFERSON	SEDO
4161353-GWR003	RICHMOND STU 3-TP-GWR003-Raw	OH4102012	JEFFERSON	SEDO
4155322-EP001	STEUBENVILLE CITY-TP-EP001-Plant	OH4102411	JEFFERSON	SEDO
4155322-LT2001	STEUBENVILLE CITY-TP-LT2001-Raw	OH4102411	JEFFERSON	SEDO
4155322-PP001	STEUBENVILLE CITY-TP-PP001-Plant	OH4102411	JEFFERSON	SEDO
4155322-PP002	STEUBENVILLE CITY-TP-PP002-Plant	OH4102411	JEFFERSON	SEDO
4155322-PP003	STEUBENVILLE CITY-TP-PP003-Plant	OH4102411	JEFFERSON	SEDO
4155322-PP004	STEUBENVILLE CITY-TP-PP004-Plant	OH4102411	JEFFERSON	SEDO
4155322-PP005	STEUBENVILLE CITY-TP-PP005-Plant	OH4102411	JEFFERSON	SEDO
4155325-EP001	TORONTO-TP-EP001-Plant	OH4102811	JEFFERSON	SEDO
4155325-LT2001	TORONTO-TP-LT2001-Raw	OH4102811	JEFFERSON	SEDO
4155325-PP001	TORONTO-TP-PP001-Plant	OH4102811	JEFFERSON	SEDO

4155325-PP002	TORONTO-TP-PP002-Plant	OH4102811	JEFFERSON	SEDO
4155325-PP003	TORONTO-TP-PP003-Plant	OH4102811	JEFFERSON	SEDO
4155325-PP004	TORONTO-TP-PP004-Plant	OH4102811	JEFFERSON	SEDO
4155325-PP005	TORONTO-TP-PP005-Plant	OH4102811	JEFFERSON	SEDO
4155327-EP001	WINTERSVILLE VILLAGE-TP-EP001-Plant	OH4103003	JEFFERSON	SEDO
4355445-EP001	AQUA OHIO INC - MENTOR-TP-EP001-Plant	OH4301511	LAKE	NEDO
4355445-LT2001	AQUA OHIO INC - MENTOR-TP-LT2001-Raw	OH4301511	LAKE	NEDO
4355445-PP001	AQUA OHIO INC - MENTOR-TP-PP001-Plant	OH4301511	LAKE	NEDO
4355445-PP002	AQUA OHIO INC - MENTOR-TP-PP002-Plant	OH4301511	LAKE	NEDO
4355445-PP003	AQUA OHIO INC - MENTOR-TP-PP003-Plant	OH4301511	LAKE	NEDO
4355445-PP004	AQUA OHIO INC - MENTOR-TP-PP004-Plant	OH4301511	LAKE	NEDO
4355445-PP005	AQUA OHIO INC - MENTOR-TP-PP005-Plant	OH4301511	LAKE	NEDO
4355441-EP001	FAIRPORT HARBOR WTP-TP-EP001-Plant	OH4300411	LAKE	NEDO
4355441-LT2001	FAIRPORT HARBOR WTP-TP-LT2001-Raw	OH4300411	LAKE	NEDO
4355441-PP001	FAIRPORT HARBOR WTP-TP-PP001-Plant	OH4300411	LAKE	NEDO
4355441-PP002	FAIRPORT HARBOR WTP-TP-PP002-Plant	OH4300411	LAKE	NEDO
4355441-PP003	FAIRPORT HARBOR WTP-TP-PP003-Plant	OH4300411	LAKE	NEDO
4355441-PP004	FAIRPORT HARBOR WTP-TP-PP004-Plant	OH4300411	LAKE	NEDO
4355441-PP005	FAIRPORT HARBOR WTP-TP-PP005-Plant	OH4300411	LAKE	NEDO
IN94575-RS001	IN FROM FAIRPORT HARBOR VILLAGE LAKE ERI-IN-RS001-Raw	OH4300411	LAKE	NEDO
IN94627-RS001	IN FROM LAKE CO EAST WATER LAKE ERIE INT-IN-RS001-Raw	OH4302911	LAKE	NEDO
IN94622-RS001	IN FROM LAKE CO WEST LAKE ERIE INT-IN-RS001-Raw	OH4302411	LAKE	NEDO
IN94598-RSSW1	IN FROM OHIO WATER SERVICE MENTOR LAKE E-IN-RSSW1-Raw	OH4301511	LAKE	NEDO
IN35924-RSSW2	IN FROM PAINESVILLE CITY LAKE ERIE INT 2-IN-RSSW2-Raw	OH4301611	LAKE	NEDO
IN94603-RSSW1	IN FROM PAINESVILLE CITY LAKE ERIE INTAK-IN-RSSW1-Raw	OH4301611	LAKE	NEDO
4355450-EP001	LAKE CO EAST WTR SUBDISTRICT-TP-EP001-Plant	OH4302911	LAKE	NEDO
4355450-LT2001	LAKE CO EAST WTR SUBDISTRICT-TP-LT2001-Raw	OH4302911	LAKE	NEDO
4355450-PP001	LAKE CO EAST WTR SUBDISTRICT-TP-PP001-Plant	OH4302911	LAKE	NEDO
4355450-PP002	LAKE CO EAST WTR SUBDISTRICT-TP-PP002-Plant	OH4302911	LAKE	NEDO
4355450-PP003	LAKE CO EAST WTR SUBDISTRICT-TP-PP003-Plant	OH4302911	LAKE	NEDO
4355450-PP004	LAKE CO EAST WTR SUBDISTRICT-TP-PP004-Plant	OH4302911	LAKE	NEDO
4355450-PP005	LAKE CO EAST WTR SUBDISTRICT-TP-PP005-Plant	OH4302911	LAKE	NEDO
4355449-EP001	LAKE CO WEST SUBDIST WTP-TP-EP001-Plant	OH4302411	LAKE	NEDO
4355449-LT2001	LAKE CO WEST SUBDIST WTP-TP-LT2001-Raw	OH4302411	LAKE	NEDO
4355449-PP001	LAKE CO WEST SUBDIST WTP-TP-PP001-Plant	OH4302411	LAKE	NEDO
4355449-PP002	LAKE CO WEST SUBDIST WTP-TP-PP002-Plant	OH4302411	LAKE	NEDO
4355449-PP003	LAKE CO WEST SUBDIST WTP-TP-PP003-Plant	OH4302411	LAKE	NEDO
4355449-PP004	LAKE CO WEST SUBDIST WTP-TP-PP004-Plant	OH4302411	LAKE	NEDO
4355449-PP005	LAKE CO WEST SUBDIST WTP-TP-PP005-Plant	OH4302411	LAKE	NEDO
4355443-EP001	MADISON VILLAGE WTP-OT-EP001-Plant	OH4300903	LAKE	NEDO
4355446-EP001	PAINESVILLE CITY-TP-EP001-Plant	OH4301611	LAKE	NEDO
4355446-LT2001	PAINESVILLE CITY-TP-LT2001-Raw	OH4301611	LAKE	NEDO
4355446-PP001	PAINESVILLE CITY-TP-PP001-Plant	OH4301611	LAKE	NEDO
4355446-PP002	PAINESVILLE CITY-TP-PP002-Plant	OH4301611	LAKE	NEDO
4355446-PP003	PAINESVILLE CITY-TP-PP003-Plant	OH4301611	LAKE	NEDO
4355446-PP004	PAINESVILLE CITY-TP-PP004-Plant	OH4301611	LAKE	NEDO
4355446-PP005	PAINESVILLE CITY-TP-PP005-Plant	OH4301611	LAKE	NEDO

4355452-EP001	PINECREST SUBDIVISION-TP-EP001-Plant	OH4303103	LAKE	NEDO
4455502-EP001	AQUA OHIO - LAWRENCE-OT-EP001-Plant	OH4400803	LAWRENCE	SEDO
OLD_4455502-EP001	AQUA OHIO - LAWRENCE-TP-EP001-Plant	OH4400803	LAWRENCE	SEDO
IN94901-RSSW1	IN FROM IRONTON CITY OHIO RIVER INTAKE-IN-RSSW1-Raw	OH4400711	LAWRENCE	SEDO
4455501-EP001	IRONTON WTP-TP-EP001-Plant	OH4400711	LAWRENCE	SEDO
4455501-LT2001	IRONTON WTP-TP-LT2001-Raw	OH4400711	LAWRENCE	SEDO
4455501-PP001	IRONTON WTP-TP-PP001-Plant	OH4400711	LAWRENCE	SEDO
4455501-PP002	IRONTON WTP-TP-PP002-Plant	OH4400711	LAWRENCE	SEDO
4455501-PP003	IRONTON WTP-TP-PP003-Plant	OH4400711	LAWRENCE	SEDO
4455501-PP004	IRONTON WTP-TP-PP004-Plant	OH4400711	LAWRENCE	SEDO
4455501-PP005	IRONTON WTP-TP-PP005-Plant	OH4400711	LAWRENCE	SEDO
IN95112-RS002	INTAKES FROM NORTH FORK LICKING RESER-IN-RS002-Raw	OH4502314	LICKING	CDO
4555529-EP001	NEWARK WTP-TP-EP001-Plant	OH4502314	LICKING	CDO
4555529-LT2001	NEWARK WTP-TP-LT2001-Raw	OH4502314	LICKING	CDO
4555529-PP001	NEWARK WTP-TP-PP001-Plant	OH4502314	LICKING	CDO
4555529-PP002	NEWARK WTP-TP-PP002-Plant	OH4502314	LICKING	CDO
4555529-PP003	NEWARK WTP-TP-PP003-Plant	OH4502314	LICKING	CDO
4555529-PP004	NEWARK WTP-TP-PP004-Plant	OH4502314	LICKING	CDO
4555529-PP005	NEWARK WTP-TP-PP005-Plant	OH4502314	LICKING	CDO
4755814-EP001	AMHERST WATER DEPARTMENT-TP-EP001-Plant	OH4700003	LORAIN	NEDO
4755815-EP001	AVON CITY CENTER RD PUMPING STATION-TP-EP001-Plant	OH4700203	LORAIN	NEDO
OLD_4761351-EP001	AVON CITY MILLER RD PUMPING STATION-OT-EP001-Plant	OH4700203	LORAIN	NEDO
4761351-EP002	AVON CITY MILLER RD PUMPING STATION-TP-EP002-Raw	OH4700203	LORAIN	NEDO
4755816-EP001	AVON LAKE UTILITIES DEPT WTP-TP-EP001-Plant	OH4700311	LORAIN	NEDO
4755816-LT2001	AVON LAKE UTILITIES DEPT WTP-TP-LT2001-Raw	OH4700311	LORAIN	NEDO
4755816-PP001	AVON LAKE UTILITIES DEPT WTP-TP-PP001-Plant	OH4700311	LORAIN	NEDO
4755816-PP002	AVON LAKE UTILITIES DEPT WTP-TP-PP002-Plant	OH4700311	LORAIN	NEDO
4755816-PP003	AVON LAKE UTILITIES DEPT WTP-TP-PP003-Plant	OH4700311	LORAIN	NEDO
4755816-PP004	AVON LAKE UTILITIES DEPT WTP-TP-PP004-Plant	OH4700311	LORAIN	NEDO
4755816-PP005	AVON LAKE UTILITIES DEPT WTP-TP-PP005-Plant	OH4700311	LORAIN	NEDO
4755817-EP001	ELYRIA WATER DEPARTMENT-TP-EP001-Plant	OH4700411	LORAIN	NEDO
4755817-LT2001	ELYRIA WATER DEPARTMENT-TP-LT2001-Raw	OH4700411	LORAIN	NEDO
4755817-PP001	ELYRIA WATER DEPARTMENT-TP-PP001-Plant	OH4700411	LORAIN	NEDO
4755817-PP002	ELYRIA WATER DEPARTMENT-TP-PP002-Plant	OH4700411	LORAIN	NEDO
4755817-PP003	ELYRIA WATER DEPARTMENT-TP-PP003-Plant	OH4700411	LORAIN	NEDO
4755817-PP004	ELYRIA WATER DEPARTMENT-TP-PP004-Plant	OH4700411	LORAIN	NEDO
4755817-PP005	ELYRIA WATER DEPARTMENT-TP-PP005-Plant	OH4700411	LORAIN	NEDO
4755818-EP001	GRAFTON VILLAGE-OT-EP001-Plant	OH4700511	LORAIN	NEDO
IN35974-RSSW3	IN FROM AVON LAKE LAKE ERIE 24" INTAKE-IN-RSSW3-Raw	OH4700311	LORAIN	NEDO
IN35926-RSSW2	IN FROM AVON LAKE LAKE ERIE 36" INTAKE-IN-RSSW2-Raw	OH4700311	LORAIN	NEDO
IN96781-RSSW1	IN FROM AVON LAKE LAKE ERIE 54" INTAKE-IN-RSSW1-Raw	OH4700311	LORAIN	NEDO
IN96786-RS001	IN FROM ELYRIA WATER DEPARTMENT LAKE ERI-IN-RS001-Raw	OH4700411	LORAIN	NEDO
IN96786-RSSW1	IN FROM ELYRIA WATER DEPARTMENT LAKE ERI-IN-RSSW1-Raw	OH4700411	LORAIN	NEDO

IN96795-RSSW1	IN FROM LORAIN LAKE ERIE INTAKE-IN-RSSW1-Raw	OH4700711	LORAIN	NEDO
IN96804-RSSW1	IN FROM NORTH RIDGEVILLE AVON LAKE-IN-RSSW1-Raw	OH4700803	LORAIN	NEDO
IN96807-RSSW1	IN FROM OBERLIN W BR BLACK RIVER RESERVO-IN-RSSW1-Raw	OH4700911	LORAIN	NEDO
IN96822-RSSW1	IN FROM SOUTH AMHERST VILLAGE QUARRY INT-IN-RSSW1-Raw	OH4701411	LORAIN	NEDO
IN96829-RSSW1	IN FROM WELLINGTON CHARLEMONT CREEK RESE-IN-RSSW1-Raw	OH4701511	LORAIN	NEDO
IN96832-RSSW2	IN FROM WELLINGTON VILLAGE UPGROUND RESE-IN-RSSW2-Raw	OH4701511	LORAIN	NEDO
4755819-EP001	LAGRANGE VILLAGE-TP-EP001-Plant	OH4700603	LORAIN	NEDO
4755820-EP001	LORAIN WTP-TP-EP001-Plant	OH4700711	LORAIN	NEDO
4755820-LT2001	LORAIN WTP-TP-LT2001-Raw	OH4700711	LORAIN	NEDO
4755820-PP001	LORAIN WTP-TP-PP001-Plant	OH4700711	LORAIN	NEDO
4755820-PP002	LORAIN WTP-TP-PP002-Plant	OH4700711	LORAIN	NEDO
4755820-PP003	LORAIN WTP-TP-PP003-Plant	OH4700711	LORAIN	NEDO
4755820-PP004	LORAIN WTP-TP-PP004-Plant	OH4700711	LORAIN	NEDO
4755820-PP005	LORAIN WTP-TP-PP005-Plant	OH4700711	LORAIN	NEDO
4755821-EP001	NORTH RIDGEVILLE CITY-TP-EP001-Plant	OH4700803	LORAIN	NEDO
4755822-EP001	OBERLIN WATER DEPARTMENT-TP-EP001-Plant	OH4700911	LORAIN	NEDO
4755822-LT2001	OBERLIN WATER DEPARTMENT-TP-LT2001-Raw	OH4700911	LORAIN	NEDO
4755822-PP001	OBERLIN WATER DEPARTMENT-TP-PP001-Plant	OH4700911	LORAIN	NEDO
4755822-PP002	OBERLIN WATER DEPARTMENT-TP-PP002-Plant	OH4700911	LORAIN	NEDO
4755822-PP003	OBERLIN WATER DEPARTMENT-TP-PP003-Plant	OH4700911	LORAIN	NEDO
4755822-PP004	OBERLIN WATER DEPARTMENT-TP-PP004-Plant	OH4700911	LORAIN	NEDO
4755822-PP005	OBERLIN WATER DEPARTMENT-TP-PP005-Plant	OH4700911	LORAIN	NEDO
4760989-EP001	PHEASANT RUN ASSOCIATION-TP-EP001-Plant	OH4701912	LORAIN	NEDO
IN001-RS201	RIVER INTAKE AND SCREEN BLDG-IN-RS201-Raw	OH4700911	LORAIN	NEDO
4755827-EP001	RURAL LORAIN CO WATER AUTH-TP-EP001-Plant	OH4701803	LORAIN	NEDO
4755823-EP001	SHEFFIELD LAKE CITY ROUTE 6 (AVON LAKE)-TP-EP001-Plant	OH4701103	LORAIN	NEDO
4761352-EP002	SHEFFIELD LAKE CITY ROUTE 6 (LORAIN)-TP-EP002-Plant	OH4701103	LORAIN	NEDO
4755824-EP001	SHEFFIELD VILLAGE-TP-EP001-Plant	OH4701203	LORAIN	NEDO
4755825-EP001	SOUTH AMHERST VILLAGE-TP-EP001-Plant	OH4701411	LORAIN	NEDO
RESV001-RS002	UPGROUND RESERVOIR 386 MG-RS-RS002-Raw	OH4700911	LORAIN	NEDO
4755826-EP001	WELLINGTON WTP-TP-EP001-Plant	OH4701511	LORAIN	NEDO
4755826-LT2001	WELLINGTON WTP-TP-LT2001-Raw	OH4701511	LORAIN	NEDO
4755826-PP001	WELLINGTON WTP-TP-PP001-Plant	OH4701511	LORAIN	NEDO
4755826-PP002	WELLINGTON WTP-TP-PP002-Plant	OH4701511	LORAIN	NEDO
4755826-PP003	WELLINGTON WTP-TP-PP003-Plant	OH4701511	LORAIN	NEDO
4755826-PP004	WELLINGTON WTP-TP-PP004-Plant	OH4701511	LORAIN	NEDO
4755826-PP005	WELLINGTON WTP-TP-PP005-Plant	OH4701511	LORAIN	NEDO
IN96944-RS001	IN FROM TOLEDO CITY LAKE ERIE INTAKE-IN-RS001-Raw	OH4801411	LUCAS	NWDO
IN96930-RSSW1	INTAKE LAKE ERIE-IN-RSSW1-Raw	OH4800911	LUCAS	NWDO
4855843-EP001	MAUMEE CITY-TP-EP001-Plant	OH4800603	LUCAS	NWDO
4855844-EP001	OREGON CITY-TP-EP001-Plant	OH4800911	LUCAS	NWDO
4855844-LT2001	OREGON CITY-TP-LT2001-Raw	OH4800911	LUCAS	NWDO
4855844-PP001	OREGON CITY-TP-PP001-Plant	OH4800911	LUCAS	NWDO
4855844-PP002	OREGON CITY-TP-PP002-Plant	OH4800911	LUCAS	NWDO
4855844-PP003	OREGON CITY-TP-PP003-Plant	OH4800911	LUCAS	NWDO

4855844-PP004	OREGON CITY-TP-PP004-Plant	OH4800911	LUCAS	NWDO
4855844-PP005	OREGON CITY-TP-PP005-Plant	OH4800911	LUCAS	NWDO
4855846-EP001	SYLVANIA CITY- TP NO TREATMENT-TP-EP001-Plant	OH4801303	LUCAS	NWDO
4855847-EP001	TOLEDO WTP-TP-EP001-Plant	OH4801411	LUCAS	NWDO
4855847-LT2001	TOLEDO WTP-TP-LT2001-Raw	OH4801411	LUCAS	NWDO
4855847-PP001	TOLEDO WTP-TP-PP001-Plant	OH4801411	LUCAS	NWDO
4855847-PP002	TOLEDO WTP-TP-PP002-Plant	OH4801411	LUCAS	NWDO
4855847-PP003	TOLEDO WTP-TP-PP003-Plant	OH4801411	LUCAS	NWDO
4855847-PP004	TOLEDO WTP-TP-PP004-Plant	OH4801411	LUCAS	NWDO
4855847-PP005	TOLEDO WTP-TP-PP005-Plant	OH4801411	LUCAS	NWDO
4855848-EP001	WATERVILLE WTP NO TREATMENT-TP-EP001-Plant	OH4801503	LUCAS	NWDO
4855849-EP001	WHITEHOUSE VILLAGE-TP-EP001-Plant	OH4801612	LUCAS	NWDO
5056013-EP001	AQUA OHIO-STRUTHERS WTP-TP-EP001-Plant	OH5001611	MAHONING	NEDO
5056013-LT2001	AQUA OHIO-STRUTHERS WTP-TP-LT2001-Raw	OH5001611	MAHONING	NEDO
5056013-PP001	AQUA OHIO-STRUTHERS WTP-TP-PP001-Plant	OH5001611	MAHONING	NEDO
5056013-PP002	AQUA OHIO-STRUTHERS WTP-TP-PP002-Plant	OH5001611	MAHONING	NEDO
5056013-PP003	AQUA OHIO-STRUTHERS WTP-TP-PP003-Plant	OH5001611	MAHONING	NEDO
5056013-PP004	AQUA OHIO-STRUTHERS WTP-TP-PP004-Plant	OH5001611	MAHONING	NEDO
5056013-PP005	AQUA OHIO-STRUTHERS WTP-TP-PP005-Plant	OH5001611	MAHONING	NEDO
5056004-EP001	CAMPBELL CITY-TP-EP001-Plant	OH5000411	MAHONING	NEDO
5056004-LT2001	CAMPBELL CITY-TP-LT2001-Raw	OH5000411	MAHONING	NEDO
5056004-PP001	CAMPBELL CITY-TP-PP001-Plant	OH5000411	MAHONING	NEDO
5056004-PP002	CAMPBELL CITY-TP-PP002-Plant	OH5000411	MAHONING	NEDO
5056004-PP003	CAMPBELL CITY-TP-PP003-Plant	OH5000411	MAHONING	NEDO
5056004-PP004	CAMPBELL CITY-TP-PP004-Plant	OH5000411	MAHONING	NEDO
5056004-PP005	CAMPBELL CITY-TP-PP005-Plant	OH5000411	MAHONING	NEDO
5056005-EP001	CANFIELD CITY-TP-EP001-Plant	OH5000503	MAHONING	NEDO
IN97886-RSSW2	IN AQUA OHIO-POLAND BURGESS LAKE-IN-RSSW2-Raw	OH5001611	MAHONING	NEDO
IN97883-RSSW1	IN AQUA OHIO-POLAND EVANS LAKE-IN-RSSW1-Raw	OH5001611	MAHONING	NEDO
IN97824-RSSW1	IN FROM CAMPBELL CITY LAKE HAMILTON INTA-IN-RSSW1-Raw	OH5000411	MAHONING	NEDO
IN97827-RSSW2	IN FROM CAMPBELL CITY LAKE MCKELVEY INTA-IN-RSSW2-Raw	OH5000411	MAHONING	NEDO
IN97898-RSSW1	IN FROM SEBRING VILLAGE MAHONING RIVER I-IN-RSSW1-Raw	OH5001911	MAHONING	NEDO
5061907-EP001	JACKSON/MILTON SERVICE AREA-TP-EP001-Plant	OH5054212	MAHONING	NEDO
5056015-EP001	SEBRING WTP-TP-EP001-Plant	OH5001911	MAHONING	NEDO
5056015-LT2001	SEBRING WTP-TP-LT2001-Raw	OH5001911	MAHONING	NEDO
5056015-PP001	SEBRING WTP-TP-PP001-Plant	OH5001911	MAHONING	NEDO
5056015-PP002	SEBRING WTP-TP-PP002-Plant	OH5001911	MAHONING	NEDO
5056015-PP003	SEBRING WTP-TP-PP003-Plant	OH5001911	MAHONING	NEDO
5056015-PP004	SEBRING WTP-TP-PP004-Plant	OH5001911	MAHONING	NEDO
5056015-PP005	SEBRING WTP-TP-PP005-Plant	OH5001911	MAHONING	NEDO
5056017-EP001	YOUNGSTOWN CITY-OT-EP001-Plant	OH5002303	MAHONING	NEDO
5156170-EP001	AQUA OHIO - MARION WTP-TP-EP001-Plant	OH5100414	MARION	NWDO
5156170-LT2001	AQUA OHIO - MARION WTP-TP-LT2001-Raw	OH5100414	MARION	NWDO
5156170-PP001	AQUA OHIO - MARION WTP-TP-PP001-Plant	OH5100414	MARION	NWDO
5156170-PP002	AQUA OHIO - MARION WTP-TP-PP002-Plant	OH5100414	MARION	NWDO
5156170-PP003	AQUA OHIO - MARION WTP-TP-PP003-Plant	OH5100414	MARION	NWDO
5156170-PP004	AQUA OHIO - MARION WTP-TP-PP004-Plant	OH5100414	MARION	NWDO
5156170-PP005	AQUA OHIO - MARION WTP-TP-PP005-Plant	OH5100414	MARION	NWDO

IN98708-RSSW1	INTAKE BIG SCIOTO RIVER-IN-RSSW1-Raw	OH5100414	MARION	NWDO
IN98711-RSSW2	INTAKE LITTLE SCIOTO RIVER-IN-RSSW2-Raw	OH5100414	MARION	NWDO
IN99141-RSSW1	IN FROM MEDINA CITY RESERVOIR INTAKE-IN-RSSW1-Raw	OH5200514	MEDINA	NEDO
5256252-EP001	SPENCER WTP-TP-EP001-Plant	OH5201611	MEDINA	NEDO
5256255-EP001	STU 1-MAIN PUMP-RLCWA-TP-EP001-Plant	OH5201903	MEDINA	NEDO
5256246-EP001	STU 1-SPIETH RD PUMP STATION-TP-EP001-Plant	OH5200514	MEDINA	NEDO
5261288-EP002	STU 2-CROCKER RD PUMP-RLCWA-TP-EP002-Plant	OH5201903	MEDINA	NEDO
5261289-EP003	STU 3-SPIETH/CHATHAM PUMP STA-AVON LAKE-TP-EP003-Plant	OH5201903	MEDINA	NEDO
5456396-EP001	CELINA CITY-TP-EP001-Plant	OH5400011	MERCER	NWDO
5456396-LT2001	CELINA CITY-TP-LT2001-Raw	OH5400011	MERCER	NWDO
5456396-PP001	CELINA CITY-TP-PP001-Plant	OH5400011	MERCER	NWDO
5456396-PP002	CELINA CITY-TP-PP002-Plant	OH5400011	MERCER	NWDO
5456396-PP003	CELINA CITY-TP-PP003-Plant	OH5400011	MERCER	NWDO
5456396-PP004	CELINA CITY-TP-PP004-Plant	OH5400011	MERCER	NWDO
5456396-PP005	CELINA CITY-TP-PP005-Plant	OH5400011	MERCER	NWDO
IN100001-RS001	GRAND LAKE INTAKE-IN-RS001-Raw	OH5400011	MERCER	NWDO
IN100567-RSSW3	IN FROM PIQUA CITY ERNST GRAVELPIT RESER-IN-RSSW3-Raw	OH5501211	MIAMI	SWDO
IN100564-RSSW2	IN FROM PIQUA CITY MIAMI RIVER INTAKE-IN-RSSW2-Raw	OH5501211	MIAMI	SWDO
IN100561-RSSW1	IN FROM PIQUA CITY SWIFT RUN LAKE INTAKE-IN-RSSW1-Raw	OH5501211	MIAMI	SWDO
IN100622-RSSW1	IN FROM WEST MILTON VILLAGE STILLWATER R-IN-RSSW1-Raw	OH5501711	MIAMI	SWDO
5556491-EP001	PIQUA CITY-TP-EP001-Plant	OH5501211	MIAMI	SWDO
5556491-LT2001	PIQUA CITY-TP-LT2001-Raw	OH5501211	MIAMI	SWDO
5556491-PP001	PIQUA CITY-TP-PP001-Plant	OH5501211	MIAMI	SWDO
5556491-PP002	PIQUA CITY-TP-PP002-Plant	OH5501211	MIAMI	SWDO
5556491-PP003	PIQUA CITY-TP-PP003-Plant	OH5501211	MIAMI	SWDO
5556491-PP004	PIQUA CITY-TP-PP004-Plant	OH5501211	MIAMI	SWDO
5556491-PP005	PIQUA CITY-TP-PP005-Plant	OH5501211	MIAMI	SWDO
IN101193-RSSW2	IN FROM WOODSFIELD VILLAGE RESERVOIR 1 I-IN-RSSW2-Raw	OH5600711	MONROE	SEDO
IN101196-RSSW3	IN FROM WOODSFIELD VILLAGE RESERVOIR 2 I-IN-RSSW3-Raw	OH5600711	MONROE	SEDO
IN101190-RSSW1	IN FROM WOODSFIELD VILLAGE SUNFISH CREEK-IN-RSSW1-Raw	OH5600711	MONROE	SEDO
5656605-EP001	SWITZERLAND OF OHIO WTP-OT-EP001-Plant	OH5600503	MONROE	SEDO
OLD_5656605-RSPG1	SWITZERLAND OF OHIO WTP-TP-RSPG1-Raw	OH5600503	MONROE	SEDO
5656607-EP001	WOODSFIELD WTP-TP-EP001-Plant	OH5600711	MONROE	SEDO
5656607-LT2001	WOODSFIELD WTP-TP-LT2001-Raw	OH5600711	MONROE	SEDO
5656607-PP001	WOODSFIELD WTP-TP-PP001-Plant	OH5600711	MONROE	SEDO
5656607-PP002	WOODSFIELD WTP-TP-PP002-Plant	OH5600711	MONROE	SEDO
5656607-PP003	WOODSFIELD WTP-TP-PP003-Plant	OH5600711	MONROE	SEDO
5656607-PP004	WOODSFIELD WTP-TP-PP004-Plant	OH5600711	MONROE	SEDO
5656607-PP005	WOODSFIELD WTP-TP-PP005-Plant	OH5600711	MONROE	SEDO
5756614-EP001	BROOKVILLE WATER DEPARTMENT-TP-EP001-Plant	OH5700203	MONTGOMERY	SWDO
5762024-EP001	CLAYTON WTP-OT-EP001-Plant	OH5749812	MONTGOMERY	SWDO
5756618-EP001	DAYTON PWS MIAMI PLANT-TP-EP001-Plant	OH5703512	MONTGOMERY	SWDO
5756618-LT2001	DAYTON PWS MIAMI PLANT-TP-LT2001-Raw	OH5703512	MONTGOMERY	SWDO
5756618-PP001	DAYTON PWS MIAMI PLANT-TP-PP001-Plant	OH5703512	MONTGOMERY	SWDO

5756618-PP002	DAYTON PWS MIAMI PLANT-TP-PP002-Plant	OH5703512	MONTGOMERY	SWDO
5756618-PP003	DAYTON PWS MIAMI PLANT-TP-PP003-Plant	OH5703512	MONTGOMERY	SWDO
5756618-PP004	DAYTON PWS MIAMI PLANT-TP-PP004-Plant	OH5703512	MONTGOMERY	SWDO
5756618-PP005	DAYTON PWS MIAMI PLANT-TP-PP005-Plant	OH5703512	MONTGOMERY	SWDO
5756619-EP002	DAYTON PWS OTTAWA PLANT-TP-EP002-Plant	OH5703512	MONTGOMERY	SWDO
5756619-LT2002	DAYTON PWS OTTAWA PLANT-TP-LT2002-Raw	OH5703512	MONTGOMERY	SWDO
5756619-PP001	DAYTON PWS OTTAWA PLANT-TP-PP001-Plant	OH5703512	MONTGOMERY	SWDO
5756619-PP002	DAYTON PWS OTTAWA PLANT-TP-PP002-Plant	OH5703512	MONTGOMERY	SWDO
5756619-PP003	DAYTON PWS OTTAWA PLANT-TP-PP003-Plant	OH5703512	MONTGOMERY	SWDO
5756619-PP004	DAYTON PWS OTTAWA PLANT-TP-PP004-Plant	OH5703512	MONTGOMERY	SWDO
5756619-PP005	DAYTON PWS OTTAWA PLANT-TP-PP005-Plant	OH5703512	MONTGOMERY	SWDO
IN35936-RSSW1	IN FROM DAYTON CITY MAD RIVER INTAKE 1-IN-RSSW1-Raw	OH5703512	MONTGOMERY	SWDO
IN35938-RSSW4	IN FROM DAYTON CITY MAD RIVER INTAKE 2-IN-RSSW4-Raw	OH5703512	MONTGOMERY	SWDO
IN35934-RSSW2	IN FROM DAYTON CITY MIAMI INTAKE-IN-RSSW2-Raw	OH5703512	MONTGOMERY	SWDO
IN35929-RSSW3	IN FROM DAYTON CITY RIP RAP RD INTAKE-IN-RSSW3-Raw	OH5703512	MONTGOMERY	SWDO
5762456-EP001	MIAMI VALLEY HOSPITAL MAIN-TP-EP001-Plant	OH5750613	MONTGOMERY	SWDO
5762456-GWR001	MIAMI VALLEY HOSPITAL MAIN-TP-GWR001-Raw	OH5750613	MONTGOMERY	SWDO
5756624-EP001	MONTGOMERY CO WATER SYSTEM NO 1 STU 1-TP-EP001-Plant	OH5701315	MONTGOMERY	SWDO
5761275-EP002	MONTGOMERY COUNTY WATER SYS NO 1 STU 2-OT-EP002-Plant	OH5701315	MONTGOMERY	SWDO
5761276-EP003	MONTGOMERY COUNTY WATER SYS NO 1 STU 3-OT-EP003-Plant	OH5701315	MONTGOMERY	SWDO
5761277-EP004	MONTGOMERY COUNTY WATER SYS NO 1 STU 4-OT-EP004-Plant	OH5701315	MONTGOMERY	SWDO
5756625-EP001	MONTGOMERY COUNTY WATER SYS NO 2-OT-EP001-Plant	OH5701503	MONTGOMERY	SWDO
5760654-EP001	OAKWOOD VILLAGE-OT-EP001-Plant	OH5703715	MONTGOMERY	SWDO
OLD_5760654-EP001	OAKWOOD VILLAGE-TP-EP001-Plant	OH5703715	MONTGOMERY	SWDO
5756632-EP001	TROTWOOD CITY-OT-EP001-Plant	OH5702403	MONTGOMERY	SWDO
IN102669-RS001	IN FROM MAYSVILLE FRAZERS QUARRY-IN-RS001-Raw	OH6001411	MUSKINGUM	SEDO
IN102672-RS002	IN FROM MAYSVILLE KENT RUN-IN-RS002-Raw	OH6001411	MUSKINGUM	SEDO
IN131160-RS003	IN FROM MAYSVILLE LAKE ISABELLA-IN-RS003-Raw	OH6001411	MUSKINGUM	SEDO
IN102677-RSSW1	IN FROM NEW CONCORD CROOKED CREEK-IN-RSSW1-Raw	OH6001711	MUSKINGUM	SEDO
IN102682-RSSW2	IN FROM NEW CONCORD RESERVOIR INTAKE-IN-RSSW2-Raw	OH6001711	MUSKINGUM	SEDO
IN102685-RSSW3	IN FROM NEW CONCORD UPPER RESERVOIR-IN-RSSW3-Raw	OH6001711	MUSKINGUM	SEDO
6056818-EP001	MAYSVILLE REGIONAL WATER DISTRICT-TP-EP001-Plant	OH6001411	MUSKINGUM	SEDO
6056818-LT2001	MAYSVILLE REGIONAL WATER DISTRICT-TP-LT2001-Raw	OH6001411	MUSKINGUM	SEDO
6056818-PP001	MAYSVILLE REGIONAL WATER DISTRICT-TP-PP001-Plant	OH6001411	MUSKINGUM	SEDO
6056818-PP002	MAYSVILLE REGIONAL WATER DISTRICT-TP-PP002-Plant	OH6001411	MUSKINGUM	SEDO
6056818-PP003	MAYSVILLE REGIONAL WATER DISTRICT-TP-PP003-Plant	OH6001411	MUSKINGUM	SEDO

6056818-PP004	MAYSVILLE REGIONAL WATER DISTRICT-TP-PP004-Plant	OH6001411	MUSKINGUM	SEDO
6056818-PP005	MAYSVILLE REGIONAL WATER DISTRICT-TP-PP005-Plant	OH6001411	MUSKINGUM	SEDO
6056819-EP001	NEW CONCORD WTP-TP-EP001-Plant	OH6001711	MUSKINGUM	SEDO
6056819-LT2001	NEW CONCORD WTP-TP-LT2001-Raw	OH6001711	MUSKINGUM	SEDO
6056819-PP001	NEW CONCORD WTP-TP-PP001-Plant	OH6001711	MUSKINGUM	SEDO
6056819-PP002	NEW CONCORD WTP-TP-PP002-Plant	OH6001711	MUSKINGUM	SEDO
6056819-PP003	NEW CONCORD WTP-TP-PP003-Plant	OH6001711	MUSKINGUM	SEDO
6056819-PP004	NEW CONCORD WTP-TP-PP004-Plant	OH6001711	MUSKINGUM	SEDO
6056819-PP005	NEW CONCORD WTP-TP-PP005-Plant	OH6001711	MUSKINGUM	SEDO
6156878-EP001	CALDWELL WTP-TP-EP001-Plant	OH6100011	NOBLE	SEDO
6156878-LT2001	CALDWELL WTP-TP-LT2001-Raw	OH6100011	NOBLE	SEDO
6156878-PP001	CALDWELL WTP-TP-PP001-Plant	OH6100011	NOBLE	SEDO
6156878-PP002	CALDWELL WTP-TP-PP002-Plant	OH6100011	NOBLE	SEDO
6156878-PP003	CALDWELL WTP-TP-PP003-Plant	OH6100011	NOBLE	SEDO
6156878-PP004	CALDWELL WTP-TP-PP004-Plant	OH6100011	NOBLE	SEDO
6156878-PP005	CALDWELL WTP-TP-PP005-Plant	OH6100011	NOBLE	SEDO
6156879-EP001	CLEAR WATER CORP-TP-EP001-Plant	OH6100103	NOBLE	SEDO
IN103030-RSSW1	IN FROM CALDWELL VILLAGE CALDWELL LAKE I-IN-RSSW1-Raw	OH6100011	NOBLE	SEDO
IN103035-RSSW2	IN FROM CALDWELL VILLAGE WOLF RUN LAKE I-IN-RSSW2-Raw	OH6100011	NOBLE	SEDO
6160728-EP001	NOBLE COUNTY WATER AUTHORITY-TP-EP001-Plant	OH6100503	NOBLE	SEDO
6156880-EP001	NOBLE WATER COMPANY-OT-EP001-Plant	OH6100203	NOBLE	SEDO
6156881-EP001	PURE WATER CORP-TP-EP001-Plant	OH6100303	NOBLE	SEDO
6161142-EP001	PURE WATER SYSTEM 2-TP-EP001-Plant	OH6100403	NOBLE	SEDO
6256927-EP001	CARROLL WATER AND SEWER-TP-EP001-Plant	OH6205111	OTTAWA	NWDO
6256927-GWR001	CARROLL WATER AND SEWER-TP-GWR001-Raw	OH6205111	OTTAWA	NWDO
6256927-LT2001	CARROLL WATER AND SEWER-TP-LT2001-Raw	OH6205111	OTTAWA	NWDO
6256927-PP001	CARROLL WATER AND SEWER-TP-PP001-Plant	OH6205111	OTTAWA	NWDO
6256927-PP002	CARROLL WATER AND SEWER-TP-PP002-Plant	OH6205111	OTTAWA	NWDO
6256927-PP003	CARROLL WATER AND SEWER-TP-PP003-Plant	OH6205111	OTTAWA	NWDO
6256927-PP004	CARROLL WATER AND SEWER-TP-PP004-Plant	OH6205111	OTTAWA	NWDO
6256927-PP005	CARROLL WATER AND SEWER-TP-PP005-Plant	OH6205111	OTTAWA	NWDO
6256892-EP001	GENOA WTP-TP-EP001-Plant	OH6201003	OTTAWA	NWDO
IN103154-RSSW1	IN FROM LAKE ERIE UTILITIES COMP LAKE ER-IN-RSSW1-Raw	OH6201911	OTTAWA	NWDO
IN103214-RSSW1	IN FROM PORT CLINTON CITY LAKE ERIE INTA-IN-RSSW1-Raw	OH6203211	OTTAWA	NWDO
IN001-RSSW1	IN FROM PUT-IN-BAY VILLAGE LAKE ERIE INT-IN-RSSW1-Raw	OH6203311	OTTAWA	NWDO
IN002-RS012	INTAKE EMERGENCY PORTAGE RIVER-IN-RS012-Raw	OH6205011	OTTAWA	NWDO
IN001-RS301	INTAKE LAKE ERIE 1-IN-RS301-Raw	OH6202411	OTTAWA	NWDO
IN002-RS102	INTAKE LAKE ERIE 2-IN-RS102-Raw	OH6202411	OTTAWA	NWDO
IN103297-RS001	INTAKE LAKE ERIE-IN-RS001-Raw	OH6205111	OTTAWA	NWDO
IN103287-RS001	INTAKE LAKE ERIE-IN-RS001-Raw	OH6205011	OTTAWA	NWDO
6262096-EP002	LAKE ERIE UTILITIES CO 2-TP-EP002-Plant	OH6201911	OTTAWA	NWDO
6262096-GWR002	LAKE ERIE UTILITIES CO 2-TP-GWR002-Raw	OH6201911	OTTAWA	NWDO
6262096-LT2001	LAKE ERIE UTILITIES CO 2-TP-LT2001-Raw	OH6201911	OTTAWA	NWDO
6262096-PP001	LAKE ERIE UTILITIES CO 2-TP-PP001-Plant	OH6201911	OTTAWA	NWDO
6262096-PP002	LAKE ERIE UTILITIES CO 2-TP-PP002-Plant	OH6201911	OTTAWA	NWDO

6262096-PP003	LAKE ERIE UTILITIES CO 2-TP-PP003-Plant	OH6201911	OTTAWA	NWDO
6262096-PP004	LAKE ERIE UTILITIES CO 2-TP-PP004-Plant	OH6201911	OTTAWA	NWDO
6262096-PP005	LAKE ERIE UTILITIES CO 2-TP-PP005-Plant	OH6201911	OTTAWA	NWDO
6256901-EP001	LAKE ERIE UTILITIES CO-TP-EP001-Plant	OH6201911	OTTAWA	NWDO
6256904-EP001	MARBLEHEAD VILLAGE-TP-EP001-Plant	OH6202411	OTTAWA	NWDO
6256904-LT2001	MARBLEHEAD VILLAGE-TP-LT2001-Raw	OH6202411	OTTAWA	NWDO
6256904-PP001	MARBLEHEAD VILLAGE-TP-PP001-Plant	OH6202411	OTTAWA	NWDO
6256904-PP002	MARBLEHEAD VILLAGE-TP-PP002-Plant	OH6202411	OTTAWA	NWDO
6256904-PP003	MARBLEHEAD VILLAGE-TP-PP003-Plant	OH6202411	OTTAWA	NWDO
6256904-PP004	MARBLEHEAD VILLAGE-TP-PP004-Plant	OH6202411	OTTAWA	NWDO
6256904-PP005	MARBLEHEAD VILLAGE-TP-PP005-Plant	OH6202411	OTTAWA	NWDO
6256906-EP001	OAK HARBOR VILLAGE-TP-EP001-Plant	OH6202603	OTTAWA	NWDO
6256925-EP001	OTTAWA COUNTY REGIONAL WATER DISTRICT-TP-EP001-Plant	OH6205011	OTTAWA	NWDO
6256925-LT2001	OTTAWA COUNTY REGIONAL WATER DISTRICT-TP-LT2001-Raw	OH6205011	OTTAWA	NWDO
6256925-PP001	OTTAWA COUNTY REGIONAL WATER DISTRICT-TP-PP001-Plant	OH6205011	OTTAWA	NWDO
6256925-PP002	OTTAWA COUNTY REGIONAL WATER DISTRICT-TP-PP002-Plant	OH6205011	OTTAWA	NWDO
6256925-PP003	OTTAWA COUNTY REGIONAL WATER DISTRICT-TP-PP003-Plant	OH6205011	OTTAWA	NWDO
6256925-PP004	OTTAWA COUNTY REGIONAL WATER DISTRICT-TP-PP004-Plant	OH6205011	OTTAWA	NWDO
6256925-PP005	OTTAWA COUNTY REGIONAL WATER DISTRICT-TP-PP005-Plant	OH6205011	OTTAWA	NWDO
6256912-EP001	PORT CLINTON CITY-TP-EP001-Plant	OH6203211	OTTAWA	NWDO
6256913-EP001	PUT-IN-BAY VILLAGE-TP-EP001-Plant	OH6203311	OTTAWA	NWDO
6256913-LT2001	PUT-IN-BAY VILLAGE-TP-LT2001-Raw	OH6203311	OTTAWA	NWDO
6256913-PP001	PUT-IN-BAY VILLAGE-TP-PP001-Plant	OH6203311	OTTAWA	NWDO
6256913-PP002	PUT-IN-BAY VILLAGE-TP-PP002-Plant	OH6203311	OTTAWA	NWDO
6256913-PP003	PUT-IN-BAY VILLAGE-TP-PP003-Plant	OH6203311	OTTAWA	NWDO
6256913-PP004	PUT-IN-BAY VILLAGE-TP-PP004-Plant	OH6203311	OTTAWA	NWDO
6256913-PP005	PUT-IN-BAY VILLAGE-TP-PP005-Plant	OH6203311	OTTAWA	NWDO
IN104186-RSSW1	INTAKE FLAT ROCK CREEK-IN-RSSW1-Raw	OH6300411	PAULDING	NWDO
IN104189-RSSW2	INTAKE RESERVOIR-IN-RSSW2-Raw	OH6300411	PAULDING	NWDO
6362361-EP002	PAULDING VILLAGE MEMBRANE PLANT-TP-EP002-Plant	OH6300411	PAULDING	NWDO
6362361-GWR002	PAULDING VILLAGE MEMBRANE PLANT-TP-GWR002-Plant	OH6300411	PAULDING	NWDO
6362361-LT2002	PAULDING VILLAGE MEMBRANE PLANT-TP-LT2002-Raw	OH6300411	PAULDING	NWDO
6362361-PP001	PAULDING VILLAGE MEMBRANE PLANT-TP-PP001-Plant	OH6300411	PAULDING	NWDO
6362361-PP002	PAULDING VILLAGE MEMBRANE PLANT-TP-PP002-Plant	OH6300411	PAULDING	NWDO
6362361-PP003	PAULDING VILLAGE MEMBRANE PLANT-TP-PP003-Plant	OH6300411	PAULDING	NWDO
6362361-PP004	PAULDING VILLAGE MEMBRANE PLANT-TP-PP004-Plant	OH6300411	PAULDING	NWDO
6362361-PP005	PAULDING VILLAGE MEMBRANE PLANT-TP-PP005-Plant	OH6300411	PAULDING	NWDO
6357099-EP001	PAULDING VILLAGE OLD-TP-EP001-Plant	OH6300411	PAULDING	NWDO
6357099-LT2001	PAULDING VILLAGE OLD-TP-LT2001-Raw	OH6300411	PAULDING	NWDO
RS001-RSS51	RESERVOIR-RS-RSS51-Raw	OH6300411	PAULDING	NWDO

6457132-EP001	BUCKINGHAM WTP-OT-EP001-Plant	OH6401503	PERRY	SEDO
IN104308-RSSW3	INTAKE-#1 (SOUTH DRY RUN RESERVOIR)-IN-RSSW3-Raw	OH6400111	PERRY	SEDO
IN104311-RSSW4	INTAKE-#2 (NORTH DRY RUN RESERVOIR)-IN-RSSW4-Raw	OH6400111	PERRY	SEDO
IN104302-RSSW1	INTAKE-#3 (SAYRE RESERVOIR)-IN-RSSW1-Raw	OH6400111	PERRY	SEDO
IN104316-RSSW5	INTAKE-#4 (ALLEN RESERVOIR)-IN-RSSW5-Raw	OH6400111	PERRY	SEDO
IN104305-RSSW2	INTAKE-#6 (BLACK FORK CK)-IN-RSSW2-Raw	OH6400111	PERRY	SEDO
IN104352-RSSW2	INTAKE-LAKE ST JOSEPH-IN-RSSW2-Raw	OH6401111	PERRY	SEDO
IN104347-RSSW1	INTAKE-SOMERSET LAKE-IN-RSSW1-Raw	OH6401111	PERRY	SEDO
6457123-EP001	NEW LEXINGTON WTP-TP-EP001-Plant	OH6400411	PERRY	SEDO
6457123-LT2001	NEW LEXINGTON WTP-TP-LT2001-Raw	OH6400411	PERRY	SEDO
6457123-PP001	NEW LEXINGTON WTP-TP-PP001-Plant	OH6400411	PERRY	SEDO
6457123-PP002	NEW LEXINGTON WTP-TP-PP002-Plant	OH6400411	PERRY	SEDO
6457123-PP003	NEW LEXINGTON WTP-TP-PP003-Plant	OH6400411	PERRY	SEDO
6457123-PP004	NEW LEXINGTON WTP-TP-PP004-Plant	OH6400411	PERRY	SEDO
6457123-PP005	NEW LEXINGTON WTP-TP-PP005-Plant	OH6400411	PERRY	SEDO
IN104327-RSSW3	NEW RESERVOIR-IN-RSSW3-Raw	OH6400411	PERRY	SEDO
IN104321-RSSW1	OLD RESERVOIR-IN-RSSW1-Raw	OH6400411	PERRY	SEDO
IN104324-RSSW2	RUSH CREEK TRIBUTARY-IN-RSSW2-Raw	OH6400411	PERRY	SEDO
OLD_6457122-RSPG1	WTP-JUNCTION CITY-TP-RSPG1-Raw	OH6400212	PERRY	SEDO
OLD_6457127-EP001	WTP-SHAWNEE-TP-EP001-Plant	OH6401003	PERRY	SEDO
6457128-EP001	WTP-SOMERSET-TP-EP001-Plant	OH6401111	PERRY	SEDO
6461814-EP002	WTP-SOMERSET-TP-EP002-Plant	OH6402703	PERRY	SEDO
6457128-LT2001	WTP-SOMERSET-TP-LT2001-Raw	OH6401111	PERRY	SEDO
6457128-PP001	WTP-SOMERSET-TP-PP001-Plant	OH6401111	PERRY	SEDO
6457128-PP002	WTP-SOMERSET-TP-PP002-Plant	OH6401111	PERRY	SEDO
6457128-PP003	WTP-SOMERSET-TP-PP003-Plant	OH6401111	PERRY	SEDO
6457128-PP004	WTP-SOMERSET-TP-PP004-Plant	OH6401111	PERRY	SEDO
6457128-PP005	WTP-SOMERSET-TP-PP005-Plant	OH6401111	PERRY	SEDO
6457142-EP001	WTP-SPCWD-CONGO-TP-EP001-Plant	OH6402703	PERRY	SEDO
6657269-EP001	FLUOR-B&W PORTSMOUTH-TP-EP001-Plant	OH6632414	PIKE	SEDO
6657269-GWR001	FLUOR-B&W PORTSMOUTH-TP-GWR001-Raw	OH6632414	PIKE	SEDO
6657269-LT2001	FLUOR-B&W PORTSMOUTH-TP-LT2001-Raw	OH6632414	PIKE	SEDO
6657269-PP001	FLUOR-B&W PORTSMOUTH-TP-PP001-Plant	OH6632414	PIKE	SEDO
6657269-PP002	FLUOR-B&W PORTSMOUTH-TP-PP002-Plant	OH6632414	PIKE	SEDO
6657269-PP003	FLUOR-B&W PORTSMOUTH-TP-PP003-Plant	OH6632414	PIKE	SEDO
6657269-PP004	FLUOR-B&W PORTSMOUTH-TP-PP004-Plant	OH6632414	PIKE	SEDO
6657269-PP005	FLUOR-B&W PORTSMOUTH-TP-PP005-Plant	OH6632414	PIKE	SEDO
IN105176-RSSW2	IN FROM UNITED STATES ENRICHMENT SCIOTO-IN-RSSW2-Raw	OH6632414	PIKE	SEDO
IN105136-RSSW1	IN FROM UNITED STATES ENRICHMENT X-611-B-IN-RSSW1-Raw	OH6632414	PIKE	SEDO
6762511-EP001	AURORA CITY - CLEVELAND-TP-EP001-Plant	OH6789112	PORTAGE	NEDO
6762511-GWR001	AURORA CITY - CLEVELAND-TP-GWR001-Raw	OH6789112	PORTAGE	NEDO
IN106211-RS001	IN FROM ODNR WEST BRANCH TOWER RESERVOIR-IN-RS001-Raw	OH6766711	PORTAGE	NEDO
IN105434-RS001	IN FROM RAVENNA CITY 6703211 INTAKE-IN-RS001-Raw	OH6703211	PORTAGE	NEDO
6757435-EP001	ODNR WEST BRANCH TOWER-TP-EP001-Plant	OH6766711	PORTAGE	NEDO
6757435-LT2001	ODNR WEST BRANCH TOWER-TP-LT2001-Raw	OH6766711	PORTAGE	NEDO

6757435-PP001	ODNR WEST BRANCH TOWER-TP-PP001-Plant	OH6766711	PORTAGE	NEDO
6757435-PP002	ODNR WEST BRANCH TOWER-TP-PP002-Plant	OH6766711	PORTAGE	NEDO
6757435-PP003	ODNR WEST BRANCH TOWER-TP-PP003-Plant	OH6766711	PORTAGE	NEDO
6757435-PP004	ODNR WEST BRANCH TOWER-TP-PP004-Plant	OH6766711	PORTAGE	NEDO
6757435-PP005	ODNR WEST BRANCH TOWER-TP-PP005-Plant	OH6766711	PORTAGE	NEDO
6761793-EP002	PORTAGE CO-SHALERSVILLE PURCHASE STU 2-OT-EP002-Plant	OH6702812	PORTAGE	NEDO
6761793-GWR002	PORTAGE CO-SHALERSVILLE PURCHASE STU 2-OT-GWR002-Raw	OH6702812	PORTAGE	NEDO
6757302-EP001	RAVENNA WTP-TP-EP001-Plant	OH6703211	PORTAGE	NEDO
6757302-LT2001	RAVENNA WTP-TP-LT2001-Raw	OH6703211	PORTAGE	NEDO
6757302-PP001	RAVENNA WTP-TP-PP001-Plant	OH6703211	PORTAGE	NEDO
6757302-PP002	RAVENNA WTP-TP-PP002-Plant	OH6703211	PORTAGE	NEDO
6757302-PP003	RAVENNA WTP-TP-PP003-Plant	OH6703211	PORTAGE	NEDO
6757302-PP004	RAVENNA WTP-TP-PP004-Plant	OH6703211	PORTAGE	NEDO
6757302-PP005	RAVENNA WTP-TP-PP005-Plant	OH6703211	PORTAGE	NEDO
6762097-EP002	STU 2 - LAKEWOOD/RAUSCH VAULT-OT-EP002-Plant	OH6706012	PORTAGE	NEDO
6762097-GWR002	STU 2 - LAKEWOOD/RAUSCH VAULT-OT-GWR002-Raw	OH6706012	PORTAGE	NEDO
6761249-EP004	STU 3 - LAKEWOOD/ROOTSTOWN RD VAULT-TP-EP004-Plant	OH6706012	PORTAGE	NEDO
6857562-EP001	AQUA OHIO-PREBLE CO.-OT-EP001-Plant	OH6835203	PREBLE	SWDO
6857562-GWR001	AQUA OHIO-PREBLE CO.-OT-GWR001-Raw	OH6835203	PREBLE	SWDO
OLD_6957588-RSPS1	GLANDORF VILLAGE OLD-TP-RSPS1-Raw	OH6901303	PUTNAM	NWDO
6957588-EP001	GLANDORF VILLAGE-OT-EP001-Plant	OH6901303	PUTNAM	NWDO
IN113804-RSSW1	INTAKE BLANCHARD RIVER-IN-RSSW1-Raw	OH6900711	PUTNAM	NWDO
IN113807-RSSW2	INTAKE RESERVOIR-IN-RSSW2-Raw	OH6900711	PUTNAM	NWDO
6957583-EP001	OTTAWA VILLAGE-TP-EP001-Plant	OH6900711	PUTNAM	NWDO
6957583-LT2001	OTTAWA VILLAGE-TP-LT2001-Raw	OH6900711	PUTNAM	NWDO
6957583-PP001	OTTAWA VILLAGE-TP-PP001-Plant	OH6900711	PUTNAM	NWDO
6957583-PP002	OTTAWA VILLAGE-TP-PP002-Plant	OH6900711	PUTNAM	NWDO
6957583-PP003	OTTAWA VILLAGE-TP-PP003-Plant	OH6900711	PUTNAM	NWDO
6957583-PP004	OTTAWA VILLAGE-TP-PP004-Plant	OH6900711	PUTNAM	NWDO
6957583-PP005	OTTAWA VILLAGE-TP-PP005-Plant	OH6900711	PUTNAM	NWDO
6957590-EP001	PUTNAM COUNTY-EAST OTTAWA-TP-EP001-Plant	OH6901503	PUTNAM	NWDO
6957590-RSPS1	PUTNAM COUNTY-EAST OTTAWA-TP-RSPS1-Raw	OH6901503	PUTNAM	NWDO
RS001-RS36665	RESERVOIR-RS-RS36665-Raw	OH6900711	PUTNAM	NWDO
RS001-RS601	CLEAR FORK RESERVOIR-RS-RS601-Raw	OH7002914	RICHLAND	NWDO
IN114428-RSSW1	INTAKE BLACKFORK CREEK-IN-RSSW1-Raw	OH7004511	RICHLAND	NWDO
IN114316-RSSW1	INTAKE CLEAR FORK RIVER-IN-RSSW1-Raw	OH7002914	RICHLAND	NWDO
IN35941-RSSW3	INTAKE MARSH RUN-IN-RSSW3-Raw	OH7004511	RICHLAND	NWDO
IN114431-RSSW2	INTAKE RESERVOIR 3-IN-RSSW2-Raw	OH7004511	RICHLAND	NWDO
7057674-EP001	MANSFIELD CITY-TP-EP001-Plant	OH7002914	RICHLAND	NWDO
7057674-GWR001	MANSFIELD CITY-TP-GWR001-Raw	OH7002914	RICHLAND	NWDO
7057674-LT2001	MANSFIELD CITY-TP-LT2001-Raw	OH7002914	RICHLAND	NWDO
7057674-PP001	MANSFIELD CITY-TP-PP001-Plant	OH7002914	RICHLAND	NWDO
7057674-PP002	MANSFIELD CITY-TP-PP002-Plant	OH7002914	RICHLAND	NWDO
7057674-PP003	MANSFIELD CITY-TP-PP003-Plant	OH7002914	RICHLAND	NWDO
7057674-PP004	MANSFIELD CITY-TP-PP004-Plant	OH7002914	RICHLAND	NWDO
7057674-PP005	MANSFIELD CITY-TP-PP005-Plant	OH7002914	RICHLAND	NWDO
7057684-EP001	PLYMOUTH VILLAGE-TP-EP001-Plant	OH7004003	RICHLAND	NWDO

RS001-RS40002	RESERVOIR 2-RS-RS40002-Raw	OH7004511	RICHLAND	NWDO
RS002-RS40003	RESERVOIR 3-RS-RS40003-Raw	OH7004511	RICHLAND	NWDO
7057688-EP001	SHELBY CITY-TP-EP001-Plant	OH7004511	RICHLAND	NWDO
7057688-LT2001	SHELBY CITY-TP-LT2001-Raw	OH7004511	RICHLAND	NWDO
7057688-PP001	SHELBY CITY-TP-PP001-Plant	OH7004511	RICHLAND	NWDO
7057688-PP002	SHELBY CITY-TP-PP002-Plant	OH7004511	RICHLAND	NWDO
7057688-PP003	SHELBY CITY-TP-PP003-Plant	OH7004511	RICHLAND	NWDO
7057688-PP004	SHELBY CITY-TP-PP004-Plant	OH7004511	RICHLAND	NWDO
7057688-PP005	SHELBY CITY-TP-PP005-Plant	OH7004511	RICHLAND	NWDO
IN115621-RSSW1	BALLVILLE DAM-IN-RSSW1-Raw	OH7200311	SANDUSKY	NWDO
RS002-RSS12	BEAVER RESERVOIR-RS-RSS12-Raw	OH7200211	SANDUSKY	NWDO
7257900-EP001	CLYDE CITY-TP-EP001-Plant	OH7200211	SANDUSKY	NWDO
7257900-LT2001	CLYDE CITY-TP-LT2001-Raw	OH7200211	SANDUSKY	NWDO
7257900-PP001	CLYDE CITY-TP-PP001-Plant	OH7200211	SANDUSKY	NWDO
7257900-PP002	CLYDE CITY-TP-PP002-Plant	OH7200211	SANDUSKY	NWDO
7257900-PP003	CLYDE CITY-TP-PP003-Plant	OH7200211	SANDUSKY	NWDO
7257900-PP004	CLYDE CITY-TP-PP004-Plant	OH7200211	SANDUSKY	NWDO
7257900-PP005	CLYDE CITY-TP-PP005-Plant	OH7200211	SANDUSKY	NWDO
7257901-EP001	FREMONT CITY-TP-EP001-Plant	OH7200311	SANDUSKY	NWDO
7257901-LT2001	FREMONT CITY-TP-LT2001-Raw	OH7200311	SANDUSKY	NWDO
7257901-PP001	FREMONT CITY-TP-PP001-Plant	OH7200311	SANDUSKY	NWDO
7257901-PP002	FREMONT CITY-TP-PP002-Plant	OH7200311	SANDUSKY	NWDO
7257901-PP003	FREMONT CITY-TP-PP003-Plant	OH7200311	SANDUSKY	NWDO
7257901-PP004	FREMONT CITY-TP-PP004-Plant	OH7200311	SANDUSKY	NWDO
7257901-PP005	FREMONT CITY-TP-PP005-Plant	OH7200311	SANDUSKY	NWDO
IN115616-RSSW4	INTAKE BEAVER CREEK RESERVOIR-IN-RSSW4-Raw	OH7200211	SANDUSKY	NWDO
IN115613-RSSW3	INTAKE BEAVER CREEK-IN-RSSW3-Raw	OH7200211	SANDUSKY	NWDO
IN115610-RSSW2	INTAKE RACoon CREEK RESERVOIR-IN-RSSW2-Raw	OH7200211	SANDUSKY	NWDO
IN115607-RSSW1	INTAKE RACoon CREEK-IN-RSSW1-Raw	OH7200211	SANDUSKY	NWDO
IN001-RS001	INTAKE SANDUSKY RIVER-IN-RS001-Raw	OH7200311	SANDUSKY	NWDO
RS001-RS701	RACoon RESERVOIR-RS-RS701-Raw	OH7200211	SANDUSKY	NWDO
RS001-RSS61	RESERVOIR-RS-RSS61-Raw	OH7200311	SANDUSKY	NWDO
IN116448-RSSW1	INTAKE-OHIO RIVER-IN-RSSW1-Raw	OH7300111	SCIOTO	SEDO
7358068-EP001	SCIOTO WATER - ZEIGLER LANE-OT-EP001-Plant	OH7301503	SCIOTO	SEDO
OLD_7358075-RSPS1	SCIOTO WATER INC SHEILA BLVD-TP-RSPS1-Raw	OH7302403	SCIOTO	SEDO
OLD_7358063-RSPS1	SCIOTO WATER INC SUGAR CAMP-TP-RSPS1-Raw	OH7300903	SCIOTO	SEDO
7358067-EP001	SCIOTO WATER POND RUN-OT-EP001-Plant	OH7301303	SCIOTO	SEDO
7358066-EP001	SCIOTO WATER SR 125 WTP-OT-EP001-Plant	OH7301203	SCIOTO	SEDO
7360680-EP001	SCIOTO WATER, INC. GLIEM RD-TP-EP001-Plant	OH7332513	SCIOTO	SEDO
7360680-GWR001	SCIOTO WATER, INC. GLIEM RD-TP-GWR001-Raw	OH7332513	SCIOTO	SEDO
7358070-EP001	SCIOTO WATER-CAREYS RUN-OT-EP001-Plant	OH7301703	SCIOTO	SEDO
7358072-EP001	SCIOTO WATER-HYGEAN RUN-OT-EP001-Plant	OH7301903	SCIOTO	SEDO
7358073-EP001	SCIOTO WATER-NACES RUN-OT-EP001-Plant	OH7302103	SCIOTO	SEDO
7358074-EP001	SCIOTO WATER-OAKWOOD-OT-EP001-Plant	OH7302203	SCIOTO	SEDO
7358075-EP001	SCIOTO WATER-SHEILA BLVD-OT-EP001-Plant	OH7302403	SCIOTO	SEDO
7358069-EP001	SCIOTO WATER-SLAB RUN-OT-EP001-Plant	OH7301603	SCIOTO	SEDO
7358062-EP001	SWI-STONEY RUN WTP-OT-EP001-Plant	OH7300803	SCIOTO	SEDO
7358057-EP001	WTP-PORTSMOUTH-TP-EP001-Plant	OH7300111	SCIOTO	SEDO
7358057-LT2001	WTP-PORTSMOUTH-TP-LT2001-Raw	OH7300111	SCIOTO	SEDO
7358057-PP001	WTP-PORTSMOUTH-TP-PP001-Plant	OH7300111	SCIOTO	SEDO

7358057-PP002	WTP-PORTSMOUTH-TP-PP002-Plant	OH7300111	SCIOTO	SEDO
7358057-PP003	WTP-PORTSMOUTH-TP-PP003-Plant	OH7300111	SCIOTO	SEDO
7358057-PP004	WTP-PORTSMOUTH-TP-PP004-Plant	OH7300111	SCIOTO	SEDO
7358057-PP005	WTP-PORTSMOUTH-TP-PP005-Plant	OH7300111	SCIOTO	SEDO
OLD_7358070-RSPS1	WTP-SWI-CAREYS RUN-TP-RSPS1-Raw	OH7301703	SCIOTO	SEDO
OLD_7358072-RSPS1	WTP-SWI-HYGEAN RUN-TP-RSPS1-Raw	OH7301903	SCIOTO	SEDO
OLD_7358073-RSPS1	WTP-SWI-NACES RUN-TP-RSPS1-Raw	OH7302103	SCIOTO	SEDO
OLD_7358074-RSPS1	WTP-SWI-OAKWOOD-TP-RSPS1-Raw	OH7302203	SCIOTO	SEDO
OLD_7358067-RSPS1	WTP-SWI-POND RUN-TP-RSPS1-Raw	OH7301303	SCIOTO	SEDO
OLD_7358069-RSPS1	WTP-SWI-SLAB RUN-TP-RSPS1-Raw	OH7301603	SCIOTO	SEDO
OLD_7358066-EP001	WTP-SWI-SR 125-TP-EP001-Plant	OH7301203	SCIOTO	SEDO
OLD_7358066-RSPS1	WTP-SWI-SR 125-TP-RSPS1-Raw	OH7301203	SCIOTO	SEDO
OLD_7358062-RSPS1	WTP-SWI-STONEY RUN-TP-RSPS1-Raw	OH7300803	SCIOTO	SEDO
OLD_7358068-RSPS1	WTP-SWI-ZEIGLER LANE-TP-RSPS1-Raw	OH7301503	SCIOTO	SEDO
7458090-EP001	AQUA OHIO - TIFFIN-TP-EP001-Plant	OH7400614	SENECA	NWDO
7458090-LT2001	AQUA OHIO - TIFFIN-TP-LT2001-Raw	OH7400614	SENECA	NWDO
7458090-PP001	AQUA OHIO - TIFFIN-TP-PP001-Plant	OH7400614	SENECA	NWDO
7458090-PP002	AQUA OHIO - TIFFIN-TP-PP002-Plant	OH7400614	SENECA	NWDO
7458090-PP003	AQUA OHIO - TIFFIN-TP-PP003-Plant	OH7400614	SENECA	NWDO
7458090-PP004	AQUA OHIO - TIFFIN-TP-PP004-Plant	OH7400614	SENECA	NWDO
7458090-PP005	AQUA OHIO - TIFFIN-TP-PP005-Plant	OH7400614	SENECA	NWDO
7458084-EP001	ATTICA VILLAGE OLD-TP-EP001-Plant	OH7400011	SENECA	NWDO
7462192-EP001	ATTICA VILLAGE-TP-EP001-Plant	OH7400011	SENECA	NWDO
7462192-LT2001	ATTICA VILLAGE-TP-LT2001-Raw	OH7400011	SENECA	NWDO
7462192-PP001	ATTICA VILLAGE-TP-PP001-Plant	OH7400011	SENECA	NWDO
7462192-PP002	ATTICA VILLAGE-TP-PP002-Plant	OH7400011	SENECA	NWDO
7462192-PP003	ATTICA VILLAGE-TP-PP003-Plant	OH7400011	SENECA	NWDO
7462192-PP004	ATTICA VILLAGE-TP-PP004-Plant	OH7400011	SENECA	NWDO
7462192-PP005	ATTICA VILLAGE-TP-PP005-Plant	OH7400011	SENECA	NWDO
7458088-EP001	FOSTORIA CITY-TP-EP001-Plant	OH7400411	SENECA	NWDO
7458088-LT2001	FOSTORIA CITY-TP-LT2001-Raw	OH7400411	SENECA	NWDO
7458088-PP001	FOSTORIA CITY-TP-PP001-Plant	OH7400411	SENECA	NWDO
7458088-PP002	FOSTORIA CITY-TP-PP002-Plant	OH7400411	SENECA	NWDO
7458088-PP003	FOSTORIA CITY-TP-PP003-Plant	OH7400411	SENECA	NWDO
7458088-PP004	FOSTORIA CITY-TP-PP004-Plant	OH7400411	SENECA	NWDO
7458088-PP005	FOSTORIA CITY-TP-PP005-Plant	OH7400411	SENECA	NWDO
7458088-RS001	FOSTORIA CITY-TP-RS001-Raw	OH7400411	SENECA	NWDO
7458089-EP001	GREEN SPRINGS VLG-TP-EP001-Plant	OH7400512	SENECA	NWDO
IN116569-RSSW2	HONEY CREEK INTAKE OLD-IN-RSSW2-Raw	OH7400011	SENECA	NWDO
IN35947-RSSW3	INTAKE E BR PORTAGE RIVER AT RESERVOIR 1-IN-RSSW3-Raw	OH7400411	SENECA	NWDO
IN116600-RSSW2	INTAKE E BRANCH PORTAGE RIVER-IN-RSSW2-Raw	OH7400411	SENECA	NWDO
IN116566-RSSW1	INTAKE HONEY CREEK-IN-RSSW1-Raw	OH7400011	SENECA	NWDO
IN116621-RSSW1	INTAKE SANDUSKY RIVER-IN-RSSW1-Raw	OH7400614	SENECA	NWDO

RS001-RES01	RESERVOIR 1-RS-RES01-Raw	OH7400011	SENECA	NWDO
RS001-RSS101	RESERVOIR 1-RS-RSS101-Raw	OH7400411	SENECA	NWDO
RS002-RES02	RESERVOIR 2-RS-RES02-Raw	OH7400011	SENECA	NWDO
RS002-RSS002	RESERVOIR 2-RS-RSS002-Raw	OH7400411	SENECA	NWDO
RS003-RSS103	RESERVOIR 3-RS-RSS103-Raw	OH7400411	SENECA	NWDO
RS004-RSS104	RESERVOIR 4-RS-RSS104-Raw	OH7400411	SENECA	NWDO
RS005-RSS005	RESERVOIR 5-RS-RSS005-Raw	OH7400411	SENECA	NWDO
RS006-RSS006	RESERVOIR 6-RS-RSS006-Raw	OH7400411	SENECA	NWDO
IN117261-RSSW1	IN FROM SIDNEY CITY MIAMI RIVER INTAKE-IN-RSSW1-Raw	OH7501214	SHELBY	SWDO
IN35953-RSSW3	IN FROM SIDNEY CITY MIAMI RIVER WEST INT-IN-RSSW3-Raw	OH7501214	SHELBY	SWDO
IN117264-RSSW2	IN FROM SIDNEY CITY TAWAWA CREEK INTAKE-IN-RSSW2-Raw	OH7501214	SHELBY	SWDO
7558205-EP001	SIDNEY CITY-TP-EP001-Plant	OH7501214	SHELBY	SWDO
7558205-LT2001	SIDNEY CITY-TP-LT2001-Raw	OH7501214	SHELBY	SWDO
7558205-PP001	SIDNEY CITY-TP-PP001-Plant	OH7501214	SHELBY	SWDO
7558205-PP002	SIDNEY CITY-TP-PP002-Plant	OH7501214	SHELBY	SWDO
7558205-PP003	SIDNEY CITY-TP-PP003-Plant	OH7501214	SHELBY	SWDO
7558205-PP004	SIDNEY CITY-TP-PP004-Plant	OH7501214	SHELBY	SWDO
7558205-PP005	SIDNEY CITY-TP-PP005-Plant	OH7501214	SHELBY	SWDO
7658271-EP001	ALLIANCE CITY-TP-EP001-Plant	OH7600011	STARK	NEDO
7658271-LT2001	ALLIANCE CITY-TP-LT2001-Raw	OH7600011	STARK	NEDO
7658271-PP001	ALLIANCE CITY-TP-PP001-Plant	OH7600011	STARK	NEDO
7658271-PP002	ALLIANCE CITY-TP-PP002-Plant	OH7600011	STARK	NEDO
7658271-PP003	ALLIANCE CITY-TP-PP003-Plant	OH7600011	STARK	NEDO
7658271-PP004	ALLIANCE CITY-TP-PP004-Plant	OH7600011	STARK	NEDO
7658271-PP005	ALLIANCE CITY-TP-PP005-Plant	OH7600011	STARK	NEDO
IN117615-RSSW1	IN FROM ALLIANCE CITY DEER CREEK RESERVO-IN-RSSW1-Raw	OH7600011	STARK	NEDO
IN35955-RSSW3	IN FROM ALLIANCE CITY MAHONING RIVER INT-IN-RSSW3-Raw	OH7600011	STARK	NEDO
IN117618-RSSW2	IN FROM ALLIANCE CITY WALBORN RESERVOIR-IN-RSSW2-Raw	OH7600011	STARK	NEDO
7758597-EP001	AKRON CITY-TP-EP001-Plant	OH7700011	SUMMIT	NEDO
7758597-LT2001	AKRON CITY-TP-LT2001-Raw	OH7700011	SUMMIT	NEDO
7758597-PP001	AKRON CITY-TP-PP001-Plant	OH7700011	SUMMIT	NEDO
7758597-PP002	AKRON CITY-TP-PP002-Plant	OH7700011	SUMMIT	NEDO
7758597-PP003	AKRON CITY-TP-PP003-Plant	OH7700011	SUMMIT	NEDO
7758597-PP004	AKRON CITY-TP-PP004-Plant	OH7700011	SUMMIT	NEDO
7758597-PP005	AKRON CITY-TP-PP005-Plant	OH7700011	SUMMIT	NEDO
7758601-EP001	BARBERTON WTP-TP-EP001-Plant	OH7700411	SUMMIT	NEDO
7758601-LT2001	BARBERTON WTP-TP-LT2001-Raw	OH7700411	SUMMIT	NEDO
7758601-PP001	BARBERTON WTP-TP-PP001-Plant	OH7700411	SUMMIT	NEDO
7758601-PP002	BARBERTON WTP-TP-PP002-Plant	OH7700411	SUMMIT	NEDO
7758601-PP003	BARBERTON WTP-TP-PP003-Plant	OH7700411	SUMMIT	NEDO
7758601-PP004	BARBERTON WTP-TP-PP004-Plant	OH7700411	SUMMIT	NEDO
7758601-PP005	BARBERTON WTP-TP-PP005-Plant	OH7700411	SUMMIT	NEDO
7762044-EP001	HUNT CLUB APARTMENTS-OT-EP001-Plant	OH7700009	SUMMIT	NEDO
IN37798-RSSW2	IN FROM AKRON CITY LAKE ROCKWELL 48-INCH-IN-RSSW2-Raw	OH7700011	SUMMIT	NEDO
IN35957-RSSW3	IN FROM AKRON CITY LAKE ROCKWELL 60 INCH-IN-RSSW3-Raw	OH7700011	SUMMIT	NEDO

IN119464-RSSW1	IN FROM AKRON CITY LAKE ROCKWELL 72-INCH-IN-RSSW1-Raw	OH7700011	SUMMIT	NEDO
IN119486-RSSW1	IN FROM BARBERTON CITY WOLF CREEK RESERV-IN-RSSW1-Raw	OH7700411	SUMMIT	NEDO
7758632-EP001	SUMMIT COUNTY STOW SVC AREA-OT-EP001-Plant	OH7704503	SUMMIT	NEDO
7758633-EP001	TALLMADGE CITY-TP-EP001-Plant	OH7704703	SUMMIT	NEDO
7758633-RSPS1	TALLMADGE CITY-TP-RSPS1-Raw	OH7704703	SUMMIT	NEDO
OLD_7859134-EP001	AQUA AMERICA - PA MASURY-TP-EP001-Plant	OH7802711	TRUMBULL	NEDO
7859134-EP001	AQUA OHIO, INC.- MASURY-OT-EP001-Plant	OH7802711	TRUMBULL	NEDO
7859123-EP001	GIRARD WTP-OT-EP001-Plant	OH7801103	TRUMBULL	NEDO
7859126-EP001	HUBBARD WTP-TP-EP001-Plant	OH7801415	TRUMBULL	NEDO
IN122363-RSSW2	IN FROM MAHONING VALLEY SAN DIST BERLIN-IN-RSSW2-Raw	OH7801811	TRUMBULL	NEDO
IN122360-RSSW1	IN FROM MAHONING VALLEY SAN DIST MEANDER-IN-RSSW1-Raw	OH7801811	TRUMBULL	NEDO
IN122379-RSSW1	IN FROM NEWTON FALLS EAST BRANCH MAHONIN-IN-RSSW1-Raw	OH7802311	TRUMBULL	NEDO
IN122420-RSSW1	IN FROM WARREN CITY MOSQUITO RESVERVOIR-IN-RSSW1-Raw	OH7803811	TRUMBULL	NEDO
IN122425-RS001	IN FROM WEST FARMINGTON, VILLAGE GRAND R-IN-RS001-Raw	OH7803911	TRUMBULL	NEDO
7859144-EP001	LORDSTOWN VILLAGE-OT-EP001-Plant	OH7804403	TRUMBULL	NEDO
7859128-EP001	MAHONING VALLEY SANI DIST MEANDER CREEK-TP-EP001-Plant	OH7801811	TRUMBULL	NEDO
7859128-LT2001	MAHONING VALLEY SANI DIST MEANDER CREEK-TP-LT2001-Raw	OH7801811	TRUMBULL	NEDO
7859128-PP001	MAHONING VALLEY SANI DIST MEANDER CREEK-TP-PP001-Plant	OH7801811	TRUMBULL	NEDO
7859128-PP002	MAHONING VALLEY SANI DIST MEANDER CREEK-TP-PP002-Plant	OH7801811	TRUMBULL	NEDO
7859128-PP003	MAHONING VALLEY SANI DIST MEANDER CREEK-TP-PP003-Plant	OH7801811	TRUMBULL	NEDO
7859128-PP004	MAHONING VALLEY SANI DIST MEANDER CREEK-TP-PP004-Plant	OH7801811	TRUMBULL	NEDO
7859128-PP005	MAHONING VALLEY SANI DIST MEANDER CREEK-TP-PP005-Plant	OH7801811	TRUMBULL	NEDO
7859129-EP001	MCDONALD VILLAGE-OT-EP001-Plant	OH7802003	TRUMBULL	NEDO
7859131-EP001	NEWTON FALLS PWS-TP-EP001-Plant	OH7802311	TRUMBULL	NEDO
7859131-LT2001	NEWTON FALLS PWS-TP-LT2001-Raw	OH7802311	TRUMBULL	NEDO
7859131-PP001	NEWTON FALLS PWS-TP-PP001-Plant	OH7802311	TRUMBULL	NEDO
7859131-PP002	NEWTON FALLS PWS-TP-PP002-Plant	OH7802311	TRUMBULL	NEDO
7859131-PP003	NEWTON FALLS PWS-TP-PP003-Plant	OH7802311	TRUMBULL	NEDO
7859131-PP004	NEWTON FALLS PWS-TP-PP004-Plant	OH7802311	TRUMBULL	NEDO
7859131-PP005	NEWTON FALLS PWS-TP-PP005-Plant	OH7802311	TRUMBULL	NEDO
7859132-EP001	NILES WTP-OT-EP001-Plant	OH7802403	TRUMBULL	NEDO
7859135-EP001	SOUTHINGTON ESTATES-TP-EP001-Plant	OH7802812	TRUMBULL	NEDO
OLD_7859143-EP001	TRUMBULL CO BAZETTA SAN DIST-TP-EP001-Plant	OH7804303	TRUMBULL	NEDO
7861926-EP001	TRUMBULL COUNTY - BRACEVILLE TWP PWS-OT-EP001-Plant	OH7806503	TRUMBULL	NEDO
7861926-GWR001	TRUMBULL COUNTY - BRACEVILLE TWP PWS-OT-GWR001-Raw	OH7806503	TRUMBULL	NEDO
7859143-EP001	TRUMBULL COUNTY BAZETTA SAN DIST-OT-EP001-Plant	OH7804303	TRUMBULL	NEDO

7859149-EP001	TRUMBULL COUNTY HOWLAND TWP-OT-EP001-Plant	OH7806303	TRUMBULL	NEDO
7859139-EP001	TRUMBULL COUNTY MINERAL RIDGE SD-OT-EP001-Plant	OH7803503	TRUMBULL	NEDO
7859150-EP001	TRUMBULL COUNTY MOSQUITO CREEK-OT-EP001-Plant	OH7806403	TRUMBULL	NEDO
7859137-EP001	TRUMBULL COUNTY SOUTHEAST DIST-OT-EP001-Plant	OH7803203	TRUMBULL	NEDO
7859148-EP001	TRUMBULL COUNTY WARREN TWP NO 3-OT-EP001-Plant	OH7806112	TRUMBULL	NEDO
7859141-EP001	WARREN WTP-TP-EP001-Plant	OH7803811	TRUMBULL	NEDO
7859141-LT2001	WARREN WTP-TP-LT2001-Raw	OH7803811	TRUMBULL	NEDO
7859141-PP001	WARREN WTP-TP-PP001-Plant	OH7803811	TRUMBULL	NEDO
7859141-PP002	WARREN WTP-TP-PP002-Plant	OH7803811	TRUMBULL	NEDO
7859141-PP003	WARREN WTP-TP-PP003-Plant	OH7803811	TRUMBULL	NEDO
7859141-PP004	WARREN WTP-TP-PP004-Plant	OH7803811	TRUMBULL	NEDO
7859141-PP005	WARREN WTP-TP-PP005-Plant	OH7803811	TRUMBULL	NEDO
7859142-EP001	WEST FARMINGTON VILLAGE-TP-EP001-Plant	OH7803911	TRUMBULL	NEDO
7859142-LT2001	WEST FARMINGTON VILLAGE-TP-LT2001-Raw	OH7803911	TRUMBULL	NEDO
7859142-PP001	WEST FARMINGTON VILLAGE-TP-PP001-Plant	OH7803911	TRUMBULL	NEDO
7859142-PP002	WEST FARMINGTON VILLAGE-TP-PP002-Plant	OH7803911	TRUMBULL	NEDO
7859142-PP003	WEST FARMINGTON VILLAGE-TP-PP003-Plant	OH7803911	TRUMBULL	NEDO
7859142-PP004	WEST FARMINGTON VILLAGE-TP-PP004-Plant	OH7803911	TRUMBULL	NEDO
7859142-PP005	WEST FARMINGTON VILLAGE-TP-PP005-Plant	OH7803911	TRUMBULL	NEDO
IN123194-RSSW1	IN FROM TWIN CITY WATER DISTRICT STILLWA-IN-RSSW1-Raw	OH7901711	TUSCARAWAS	SEDO
7959279-EP001	TWIN CITY WATER DISTRICT WTP-TP-EP001-Plant	OH7901711	TUSCARAWAS	SEDO
7959279-LT2001	TWIN CITY WATER DISTRICT WTP-TP-LT2001-Raw	OH7901711	TUSCARAWAS	SEDO
8059372-EP001	MARYSVILLE WTP-TP-EP001-Plant	OH8000314	UNION	CDO
8059372-LT2001	MARYSVILLE WTP-TP-LT2001-Raw	OH8000314	UNION	CDO
8059372-PP001	MARYSVILLE WTP-TP-PP001-Plant	OH8000314	UNION	CDO
8059372-PP002	MARYSVILLE WTP-TP-PP002-Plant	OH8000314	UNION	CDO
8059372-PP003	MARYSVILLE WTP-TP-PP003-Plant	OH8000314	UNION	CDO
8059372-PP004	MARYSVILLE WTP-TP-PP004-Plant	OH8000314	UNION	CDO
8059372-PP005	MARYSVILLE WTP-TP-PP005-Plant	OH8000314	UNION	CDO
IN123696-RSSW1	MARYSVILLE, CITY OF INTAKE MILL CREEK-IN-RSSW1-Raw	OH8000314	UNION	CDO
IN123700-RSSW2	MARYSVILLE, CITY OF NEW CREEK INTAKE-IN-RSSW2-Raw	OH8000314	UNION	CDO
IN123701-RSSW3	MARYSVILLE, CITY OF NEW RES INTAKE-IN-RSSW3-Raw	OH8000314	UNION	CDO
RS001-RS36504	RESERVOIR 1 NORTH-RS-RS36504-Raw	OH8100611	VAN WERT	NWDO
RS002-RS36505	RESERVOIR 2/3 SOUTH-RS-RS36505-Raw	OH8100611	VAN WERT	NWDO
RS002-RS36506	RESERVOIR 2/3 SOUTH-RS-RS36506-Raw	OH8100611	VAN WERT	NWDO
IN124000-RSSW1	TOWN CREEK INTAKE 1-IN-RSSW1-Raw	OH8100611	VAN WERT	NWDO
IN124003-RSSW2	TOWN CREEK INTAKE 2-IN-RSSW2-Raw	OH8100611	VAN WERT	NWDO
8159424-EP001	VAN WERT CITY-TP-EP001-Plant	OH8100611	VAN WERT	NWDO
8159424-LT2001	VAN WERT CITY-TP-LT2001-Raw	OH8100611	VAN WERT	NWDO
8159424-PP001	VAN WERT CITY-TP-PP001-Plant	OH8100611	VAN WERT	NWDO
8159424-PP002	VAN WERT CITY-TP-PP002-Plant	OH8100611	VAN WERT	NWDO
8159424-PP003	VAN WERT CITY-TP-PP003-Plant	OH8100611	VAN WERT	NWDO
8159424-PP004	VAN WERT CITY-TP-PP004-Plant	OH8100611	VAN WERT	NWDO
8159424-PP005	VAN WERT CITY-TP-PP005-Plant	OH8100611	VAN WERT	NWDO
8259463-EP001	HAMDEN VILLAGE-OT-EP001-Plant	OH8200003	VINTON	SEDO

OLD_8259463-RSPS1	HAMDEN VILLAGE-TP-RSPS1-Raw	OH8200003	VINTON	SEDO
8359487-EP001	LEBANON STU 1-TP-EP001-Plant	OH8304112	WARREN	SWDO
8359487-GWR001	LEBANON STU 1-TP-GWR001-Raw	OH8304112	WARREN	SWDO
8359526-EP001	WARREN COUNTY MASSIE WAYNE-OT-EP001-Plant	OH8345912	WARREN	SWDO
8359526-GWR001	WARREN COUNTY MASSIE WAYNE-OT-GWR001-Raw	OH8345912	WARREN	SWDO
8360726-EP001	WARREN COUNTY SOCIALVILLE-OT-EP001-Plant	OH8304203	WARREN	SWDO
8759903-EP001	BOWLING GREEN CITY-TP-EP001-Plant	OH8700311	WOOD	NWDO
8759903-LT2001	BOWLING GREEN CITY-TP-LT2001-Raw	OH8700311	WOOD	NWDO
8759903-PP001	BOWLING GREEN CITY-TP-PP001-Plant	OH8700311	WOOD	NWDO
8759903-PP002	BOWLING GREEN CITY-TP-PP002-Plant	OH8700311	WOOD	NWDO
8759903-PP003	BOWLING GREEN CITY-TP-PP003-Plant	OH8700311	WOOD	NWDO
8759903-PP004	BOWLING GREEN CITY-TP-PP004-Plant	OH8700311	WOOD	NWDO
8759903-PP005	BOWLING GREEN CITY-TP-PP005-Plant	OH8700311	WOOD	NWDO
8759907-EP001	GRAND RAPIDS VILLAGE WTP-OT-EP001-Plant	OH8700711	WOOD	NWDO
IN126848-RSSW1	INTAKE 1 MAUMEE RIVER-IN-RSSW1-Raw	OH8700311	WOOD	NWDO
IN126922-RSSW2	INTAKE 100 MG RESERVOIR-IN-RSSW2-Raw	OH8701611	WOOD	NWDO
IN002-RS002	INTAKE 2 MAUMEE RIVER-IN-RS002-Raw	OH8700311	WOOD	NWDO
IN144340-RSSW3	INTAKE 258 MG RESERVOIR-IN-RSSW3-Raw	OH8701611	WOOD	NWDO
IN126853-RSSW2	INTAKE RESERVOIR-IN-RSSW2-Raw	OH8700311	WOOD	NWDO
IN35959-RSSW4	INTAKE ROCKY FORD 2-IN-RSSW4-Raw	OH8701611	WOOD	NWDO
IN126919-RSSW1	INTAKE ROCKY FORD-IN-RSSW1-Raw	OH8701611	WOOD	NWDO
8759912-EP001	NORTH BALTIMORE VILLAGE-TP-EP001-Plant	OH8701611	WOOD	NWDO
8759912-LT2001	NORTH BALTIMORE VILLAGE-TP-LT2001-Raw	OH8701611	WOOD	NWDO
8759912-PP001	NORTH BALTIMORE VILLAGE-TP-PP001-Plant	OH8701611	WOOD	NWDO
8759912-PP002	NORTH BALTIMORE VILLAGE-TP-PP002-Plant	OH8701611	WOOD	NWDO
8759912-PP003	NORTH BALTIMORE VILLAGE-TP-PP003-Plant	OH8701611	WOOD	NWDO
8759912-PP004	NORTH BALTIMORE VILLAGE-TP-PP004-Plant	OH8701611	WOOD	NWDO
8759912-PP005	NORTH BALTIMORE VILLAGE-TP-PP005-Plant	OH8701611	WOOD	NWDO
8762454-EP001	NWWSD TOLEDO SVCE AREA-TP-EP001-Plant	OH8752812	WOOD	NWDO
8762454-GWR001	NWWSD TOLEDO SVCE AREA-TP-GWR001-Raw	OH8752812	WOOD	NWDO
8759925-EP001	NWWSD BG RD W-OT-EP001-Plant	OH8704003	WOOD	NWDO
8762419-EP001	NWWSD -FOSTORIA NORTH-TP-EP001-Plant	OH8752712	WOOD	NWDO
8762419-GWR001	NWWSD -FOSTORIA NORTH-TP-GWR001-Raw	OH8752712	WOOD	NWDO
8759926-EP001	NWWSD PORTAGE PUMP STATION-TP-EP001-Plant	OH8704103	WOOD	NWDO
8759926-GWR001	NWWSD PORTAGE PUMP STATION-TP-GWR001-Raw	OH8704103	WOOD	NWDO
8759921-EP001	NWWSD WESTON-TP-EP001-Plant	OH8703211	WOOD	NWDO
8759927-EP001	NWWSD WTLN 200-OT-EP001-Plant	OH8704203	WOOD	NWDO
8762145-EP001	NWWSD-MIDDLETON TWP-OT-EP001-Plant	OH8752212	WOOD	NWDO
8759914-EP001	PERRYSBURG EAST BOUNDARY STU 1-OT-EP001-Plant	OH8701803	WOOD	NWDO
8761487-EP001	PERRYSBURG SOUTH BOUNDARY STU 2-OT-EP001-Plant	OH8701803	WOOD	NWDO
OLD_8759914-EP001	PERRYSBURG-ANTHONY WAYNE TRL STU 1-TP-EP001-Plant	OH8701803	WOOD	NWDO
RS001-RS37176	RESERVOIR 1-RS-RS37176-Raw	OH8701611	WOOD	NWDO
RS002-RS37177	RESERVOIR 2-RS-RS37177-Raw	OH8701611	WOOD	NWDO
RS001-RS32739	RESERVOIR-RS-RS32739-Raw	OH8700311	WOOD	NWDO
8759917-EP001	TONTOGANY VILLAGE WTP-OT-EP001-Plant	OH8702503	WOOD	NWDO
8759917-GWR001	TONTOGANY VILLAGE WTP-OT-GWR001-Raw	OH8702503	WOOD	NWDO
OLD_8759917-RSPS1	TONTOGANY WTP-TP-RSPS1-Raw	OH8702503	WOOD	NWDO

8760847-EP001	WATERLINE NO 2 WHE-OT-EP001-Plant	OH8704203	WOOD	NWDO
8760846-EP001	WATERLINE NO 200 NORTH-OT-EP001-Plant	OH8704203	WOOD	NWDO
OLD_8760846-EP002	WATERLINE NO 200 NORTH-TP-EP002-Plant	OH8704203	WOOD	NWDO
8760848-EP001	WATERLINE NO 200 WYNN RD-OT-EP001-Plant	OH8704203	WOOD	NWDO
IN127559-RSSW2	INTAKE RESERVOIR 1-IN-RSSW2-Raw	OH8800511	WYANDOT	NWDO
IN001-RSSW4	INTAKE RESERVOIR 2-IN-RSSW4-Raw	OH8800511	WYANDOT	NWDO
IN127556-RSSW1	INTAKE SANDUSKY RIVER 1-IN-RSSW1-Raw	OH8800511	WYANDOT	NWDO
IN36050-RSSW3	INTAKE SANDUSKY RIVER RESERVOIR 2-IN-RSSW3-Raw	OH8800511	WYANDOT	NWDO
RS001-RSS201	RESERVOIR 1-RS-RSS201-Raw	OH8800511	WYANDOT	NWDO
RS002-RSS102	RESERVOIR 2-RS-RSS102-Raw	OH8800511	WYANDOT	NWDO
8862381-EP002	UPPER SANDUSKY STU 2-TP-EP002-Plant	OH8800511	WYANDOT	NWDO
8862381-GWR002	UPPER SANDUSKY STU 2-TP-GWR002-Raw	OH8800511	WYANDOT	NWDO
8862381-LT2001	UPPER SANDUSKY STU 2-TP-LT2001-Raw	OH8800511	WYANDOT	NWDO
8862381-PP001	UPPER SANDUSKY STU 2-TP-PP001-Plant	OH8800511	WYANDOT	NWDO
8862381-PP002	UPPER SANDUSKY STU 2-TP-PP002-Plant	OH8800511	WYANDOT	NWDO
8862381-PP003	UPPER SANDUSKY STU 2-TP-PP003-Plant	OH8800511	WYANDOT	NWDO
8862381-PP004	UPPER SANDUSKY STU 2-TP-PP004-Plant	OH8800511	WYANDOT	NWDO
8862381-PP005	UPPER SANDUSKY STU 2-TP-PP005-Plant	OH8800511	WYANDOT	NWDO
8860029-EP001	UPPER SANDUSKY-TP-EP001-Plant	OH8800511	WYANDOT	NWDO

OHIO PUBLIC WATER SUPPLY LAKES				
County	PWSID	Public Water System Name	Reservoir Or Water Source Name*	System Type
Allen	OH0200811	Lima City Water	Ferguson Lake Reservoir	Community
Allen	OH0200811	Lima City Water	Bresler Reservoir	Community
Allen	OH0200811	Lima City Water	Lost Creek Reservoir	Community
Allen	OH0200811	Lima City Water	Twin Lakes Reservoir I	Community
Allen	OH0200811	Lima City Water	Metzger Reservoir	Community
Allen	OH0200412	Delphos Water Treatment Plant	Surface Water Intake	Community
Ashland	OH0300411	Cinnamon Lake Utilities Assoc Inc	Cinnamon Lake Utility Co Reservoir	Community
Ashtabula	OH0400411	Conneaut City PWS	Conneaut City Lake Erie	Community
Ashtabula	OH0400711	Ohio American Water Co - Ashtabula	Ohio-American/Ashtabula Lake Erie	Community
Athens	OH0501311	Burr Oak Regional Water District	Burr Oak Lake	Community
Belmont	OH0700011	Barnesville	Barnesville Reservoir#1	Community
Belmont	OH0700011	Barnesville	Barnesville Reservoir#2	Community
Belmont	OH0700114	Bellaire Public Water System	Bellaire Infiltration	Community
Belmont	OH0701516	St. Clairsville City PWS	St. Clairsville Provident Reservoir	Community
Belmont	OH0701516	St. Clairsville City PWS	St. Clairsville Municipal Reservoir	Community
Brown	OH0800811	Waynoka Regional Water And Sewer Dist	Waynoka Regional Water & Sewage	Community
Brown	OH0800811	Waynoka Regional Water And Sewer Dist	Waynoka Regional Water & Sewage	Community
Brown	OH0801011	Mount Orab Village PWS	Mount Orab Village Old Reservoir	Community
Brown	OH0801011	Mount Orab Village PWS	Mount Orab Village Sterling Run	Community
Carroll	OH1038311	MWCD-Atwood Resort	Atwood Lake	Non-Transient Non-Community
Carroll	OH1038411	MWCD-Atwood Park	Atwood Lake	Transient Non-Community
Clermont	OH1302212	Clermont Public Water System	Clermont Co Bmw East Fork	Community
Clinton	OH1400111	Blanchester Village PWS	Blanchester Village Reservoir 5	Community
Clinton	OH1400111	Blanchester Village PWS	Blanchester Village Westboro Reservoir	Community
Clinton	OH1400111	Blanchester Village PWS	Blanchester Whitacre Run Reservoir #3	Community
Clinton	OH1401211	Wilmington City PWS	Caesar Creek Lake	Community
Clinton	OH1401211	Wilmington City PWS	Wilmington City Reservoirs	Community
Columbiana	OH1500811	East Liverpool City	East Liverpool City Ohio River I	Community
Columbiana	OH1502011	Salem City	Salem City Sandy Beaver Reservoir	Community
Columbiana	OH1502011	Salem City	Salem City Salem Reservoir	Community
Columbiana	OH1502911	Buckeye Water District	Buckeye Water District Wellsville- Ohio River	Community

Coshocton	OH1600811	Echoing Hills Village	Echoing Hills Village I Lower	Community
Coshocton	OH1600811	Echoing Hills Village	Echoing Hills Village I Upper	Community
Coshocton	OH1600811	Echoing Hills Village	Shalimar Lake	Community
Crawford	OH1700011	OH1700011 (Bucyrus)	Neff Reservoir	Community
Crawford	OH1700011	OH 1700011 (Bucyrus)	Pines Reservoir	Community
Crawford	OH1700011	OH 1700011 (Bucyrus)	Outhwaite Reservoir	Community
Crawford	OH1700011	OH 1700011 (Bucyrus)	Riley Reservoir	Community
Crawford	OH1700211	Galion City	Amicks Reservoir	Community
Crawford	OH1700211	Galion City	Amman Reservoir	Community
Crawford	OH1700211	Galion City	Powers Reservoir	Community
Cuyahoga	OH1800111	Berea City PWS	Berea City East Branch Of Rocky	Community
Cuyahoga	OH1801212	Cleveland Public Water System	Baldwin	Community
Cuyahoga	OH1801212	Cleveland Public Water System	Crown	Community
Cuyahoga	OH1801212	Cleveland Public Water System	Morgan	Community
Cuyahoga	OH1801212	Cleveland Public Water System	Nottingham	Community
Fulton	OH2600111	Wauseon City Water	Napoleon / Wauseon Maumee River	Community
Fulton	OH2600111	Wauseon City Water	Maumee River	Community
Fulton	OH2600111	Wauseon City Water	Wauseon City 50 Mg Reservoir Int	Community
Fulton	OH2600111	Wauseon City Water	Wauseon City Stucky Ditch Reservoir	Community
Fulton	OH2600111	Wauseon City Water	Wauseon City 300 Mg Reservoir	Community
Fulton	OH2600311	Delta Village	Delta Village 108 Mg Reservoir	Community
Fulton	OH2600311	Delta Village	Delta Village 400 Mg Reservoir	Community
Fulton	OH2601011	Swanton Village	Swanton Village Reservoir	Community
Guernsey	OH3000111	Cambridge, City Of	Wills Creek	Community
Hamilton	OH3102612	Cincinnati Public Water System	Cincinnati Miller Plant Ohio River	Community
Hamilton	OH3102612	Cincinnati Public Water System	Cincinnati Miller Plt Ohio River S	Community
Hancock	OH3200111	Findlay Water Treatment Plant	Findlay City Reservoirs No 4	Community
Hancock	OH3200111	Findlay Water Treatment Plant	Findlay 1.3 Billion Gallon Reservoir	Community
Hancock	OH3200411	Mccomb Water Treatment Plant	Mccomb Village Reservoirs	Community
Harrison	OH3400214	Cadiz Village PWS	Cadiz Tappan Lake	Community
Harrison	OH3400214	Cadiz Village PWS	Cadiz Sparrow Reservoir	Community
Henry	OH3500711	HCRW/Sd-Mcclure System	Mcclure Maumee River Int	Community
Henry	OH3500811	Napoleon City	Wauseon 50 Mg Reservoir	Community
Henry	OH3500811	Napoleon City	Wauseon 300 Mg Reservoir	Community
Henry	OH3500811	Napoleon City	Napoleon City Maumee River	Community

Henry	OH3531411	Campbell Soup Supply Co	Campbell Soup Supply Co Maumee River	Non-Transient Non-Community
Henry	OH3531411	Campbell Soup Supply Co	Campbell Soup Co Maumee River 2	Non-Transient Non-Community
Highland	OH3600614	Hillsboro City	Hillsboro City Quarry	Community
Highland	OH3600614	Hillsboro City	Hillsboro City Reservoir	Community
Hocking	OH3736411	ODNR-Hocking Hills State Park	Rose Lake	Transient Non-Community
Huron	OH3900011	Bellevue City	Bellevue City 5-Upground Reservoir	Community
Huron	OH3900011	Bellevue City	Frink Run Reservoir	Community
Huron	OH3900811	Monroeville Village	Monroeville Reservoir	Community
Huron	OH3900911	New London Village-Plant 1	New London Plant 1 Upground Reservoir	Community
Huron	OH3901111	Norwalk City PWS	Norwalk Reservoir	Community
Huron	OH3901111	Norwalk City PWS	Norwalk Lower Reservoir	Community
Huron	OH3901511	Willard City	Willard City Upground Reservoir	Community
Huron	OH3902611	New London Village -Plant 2	New London Plant 2 Upground Reservoir	Community
Jackson	OH4000111	Jackson, City Of	Jisco Lake	Community
Jackson	OH4000111	Jackson, City Of	Hammertown Lake	Community
Jackson	OH4001912	Wellston Public Water System	Lake Rupert	Community
Jackson	OH4001912	Wellston Public Water System	Lake Alma	Community
Jackson	OH4001912	Wellston Public Water System	City Impoundment	Community
Jefferson	OH4102411	Steubenville, City Of	Steubenville City Ohio River	Community
Darke	OH1900714	Greenville City PWS	Greenville City Mud Creek	Community
Darke	OH1900714	Greenville City PWS	Greenville City Greenville Creek	Community
Defiance	OH2000111	Defiance City	Defiance Maumee River Intake	Community
Defiance	OH2000111	Defiance City	Maumee River	Community
Delaware	OH2100311	Delaware City PWS	Olentangy North Intake	Community
Delaware	OH2100311	Delaware City PWS	Olentangy South Intake	Community
Delaware	OH2101412	Del-Co Water Company, Inc.	Del-Co Olentangy Reservoir	Community
Delaware	OH2101412	Del-Co Water Company, Inc.	Del-Co Mcnamara Reservoir 1	Community
Delaware	OH2101412	Del-Co Water Company, Inc.	Del-Co Alum Creek Reservoir	Community
Erie	OH2201011	Huron Water Treatment Plant	Huron City Lake Erie	Community
Erie	OH2201111	Kelleys Island PWS	Kelleys Island Village Lake Erie	Community
Erie	OH2201411	Sandusky Water Treatment Plant	Sandusky City Sandusky Bay Reservoir	Community
Erie	OH2201411	Sandusky Water Treatment Plant	Sandusky City Lake Erie	Community
Erie	OH2201511	Vermilion PWS	Vermilion City Vermilion River I	Community
Erie	OH2201511	Vermilion PWS	Vermilion City Lake Erie	Community

Erie	OH2230411	Camp Patmos	Camp Patmos Lake Erie	Transient Non-Community
Fayette	OH2400714	Washington Court House PWS	Washington Court House Reservoir	Community
Franklin	OH2503411	Westerville City PWS	Westerville City Alum Creek	Community
Franklin	OH2504412	Columbus Public Water System	Columbus Dublin Road Scioto River	Community
Franklin	OH2504412	Columbus Public Water System	Columbus Hap Cremean Big Walnut	Community
Franklin	OH2504412	Columbus Public Water System	Columbus Hap Cremean Alum Creek	Community
Franklin	OH2504412	Columbus Public Water System	Columbus Hap Cremean Hoover Reservoir	Community
Fulton	OH2600011	Archbold Village	Archbold Village North Reservoir	Community
Jefferson	OH4102811	Toronto PWS	Ohio River	Community
Lake	OH4300411	Fairport Harbor Village PWS	Fairport Harbor Village Lake Erie	Community
Lake	OH4301511	Aqua Ohio Inc - Mentor	Ohio Water Service Mentor Lake Erie	Community
Lake	OH4301611	Painesville City PWS	Painesville City Lake Erie	Community
Lake	OH4301611	Painesville City PWS	Painesville City Lake Erie Int 2	Community
Lake	OH4302411	Lake County West Water Subdistrict	Lake Co West Lake Erie	Community
Lake	OH4302911	Lake County East Water Subdistrict	Lake Co East Water Lake Erie	Community
Lawrence	OH4400711	Ironton PWS	Ironton City Ohio River	Community
Licking	OH4502314	Newark City PWS	North Fork Licking Reservoir	Community
Lorain	OH4700311	Avon Lake City PWS	Avon Lake Lake Erie	Community
Lorain	OH4700411	Elyria Water Department	Elyria Water Department Lake Erie	Community
Lorain	OH4700711	Lorain City PWS	Lorain Lake Erie	Community
Lorain	OH4700911	Oberlin Water Department	Oberlin W Br Black River Reservoir	Community
Lorain	OH4701511	Wellington Village PWS	Wellington Village Upground Reservoir	Community
Lorain	OH4701511	Wellington Village PWS	Wellington Charlemont Creek Reservoir	Community
Lucas	OH4800911	Oregon City PWS	Oregon City Lake Erie	Community
Lucas	OH4801411	Toledo PWS	Toledo City Lake Erie	Community
Mahoning	OH5000411	Campbell City PWS	Campbell City Lake Mckelvey	Community
Mahoning	OH5000411	Campbell City PWS	Campbell City Lake Hamilton	Community
Mahoning	OH5001611	Aqua Ohio - Struthers	Aqua Ohio-Poland Evans Lake	Community
Mahoning	OH5001911	Sebring Village PWS	Sebring Village Mahoning River	Community
Marion	OH5100414	Ohio American Water Company-Marion	OH Am Water Co-Marion Little Scioto	Community
Marion	OH5100414	Ohio American Water Company-Marion	OH Am Water Co-Marion Big Scioto	Community
Mercer	OH5400011	Celina City	Celina City Grand Lake	Community
Miami	OH5501211	Piqua City PWS	Piqua City Ernst Gravelpit Reservoir	Community
Miami	OH5501211	Piqua City PWS	Piqua City Swift Run Lake	Community

Monroe	OH5600711	Woodsfield Village PWS	Woodsfield Village Reservoir 2	Community
Monroe	OH5600711	Woodsfield Village PWS	Woodsfield Village Reservoir 1	Community
Montgomery	OH5703512	Dayton Public Water System	Dayton City Miami River	Community
Montgomery	OH5703512	Dayton Public Water System	Dayton City Mad River	Community
Muskingum	OH6001411	Maysville Regional Water	Maysville Frazers Quarry	Community
Muskingum	OH6001711	New Concord PWS	New Concord Upper Reservoir	Community
Muskingum	OH6001711	New Concord PWS	New Concord Reservoir	Community
Muskingum	OH6041511	ODNR-Blue Rock State Park	Cutler Lake	Transient Non- Community
Noble	OH6100011	Caldwell Village PWS	Caldwell Village Wolf Run Lake	Community
Noble	OH6100011	Caldwell Village PWS	Caldwell Village Caldwell Lake	Community
Ottawa	OH6201911	Lake Erie Utilities Comp	Lake Erie Utilities Comp Lake Erie	Transient Non- Community
Ottawa	OH6202411	Marblehead Village PWS	Marblehead Vlg Lake Erie	Community
Ottawa	OH6203311	Put-In-Bay Village PWS	Put-In-Bay Village Lake Erie	Community
Ottawa	OH6205011	Ottawa County Regional	Ottawa County Regional Lake Erie	Community
Ottawa	OH6205011	Ottawa County Regional	Emergency Intake (Portage River)	Community
Ottawa	OH6205111	Carroll Water And Sewer	Carroll Water And Sewer Lake Erie	Community
Paulding	OH6300411	Paulding Village	Paulding Reservoir	Community
Perry	OH6400111	Crooksville	Allen Reservoir	Community
Perry	OH6400111	Crooksville	North Dry Run Reservoir	Community
Perry	OH6400111	Crooksville	South Dry Run Reservoir	Community
Perry	OH6400111	Crooksville	Sayre Reservoir	Community
Perry	OH6400411	New Lexington	New Reservoir	Community
Perry	OH6400411	New Lexington	Old Reservoir	Community
Perry	OH6401111	Somerset	Lake St Joseph	Community
Perry	OH6401111	Somerset	Somerset Lake	Community
Pike	OH6632414	United States Enrichment	United States Enrichment X- 611-B	Non-Transient Non-Community
Portage	OH6703211	Ravenna City PWS	Ravenna City	Community
Portage	OH6766711	ODNR-West Branch- Tower	West Branch Tower Reservoir	Transient Non- Community
Putnam	OH6900711	Ottawa Village Water	Ottawa Village Reservoir	Community
Richland	OH7002914	Mansfield City PWS	Mansfield City Clear Fork River	Community
Richland	OH7004511	Shelby Water Treatment Plant	Shelby City Reservoirs No 3	Community
Sandusky	OH7200211	Clyde Water Treatment Plant	Clyde City Beaver Creek Reservoir	Community
Sandusky	OH7200311	Fremont City PWS	Fremont City Sandusky River	Community
Scioto	OH7300111	Portsmouth Public Water System	Ohio River	Community
Seneca	OH7400011	Attica Village	Honey Creek	Community

Seneca	OH7400411	Fostoria City	E Br Portage River Reservoir 1	Community
Seneca	OH7400614	Ohio American Water Co-Tiffin District	Sandusky River	Community
Shelby	OH7501214	Sidney City PWS	Sidney City Tawawa Creek	Community
Shelby	OH7501214	Sidney City PWS	Sidney City Miami River	Community
Shelby	OH7501214	Sidney City PWS	Sidney City Miami River West	Community
Stark	OH7600011	Alliance City PWS	Alliance City Walborn Reservoir	Community
Stark	OH7600011	Alliance City PWS	Alliance City Deer Creek Reservoir	Community
Summit	OH7700011	Akron City PWS	Akron City Lake Rockwell	Community
Summit	OH7700011	Akron City PWS	Akron City Ladue	Community
Summit	OH7700011	Akron City PWS	Akron City East Branch	Community
Summit	OH7700411	Barberton City	Barberton City Wolf Creek Reservoir	Community
Trumbull	OH7801811	Mahoning Valley Sanitary District	Mahoning Valley San Dist Berlin	Non-Transient Non-Community
Trumbull	OH7801811	Mahoning Valley Sanitary District	Mahoning Valley San Dist Meander	Non-Transient Non-Community
Trumbull	OH7802311	Newton Falls City	Newton Falls East Branch Mahoning	Community
Trumbull	OH7803811	Warren City PWS	Warren City Mosquito Reservoir	Community
Trumbull	OH7803911	West Farmington Village PWS	West Farmington, Village Grand R	Community
Tuscarawas	OH7901711	Twin City Water And Sewer District PWS	Twin City Water District Stillwater	Community
Union	OH8000314	Marysville City PWS	Mill Creek	Community
Van Wert	OH8100611	Van Wert City	Town Creek	Community
Wood	OH8700311	Bowling Green City Water	Bowling Green Reservoir	Community
Wood	OH8701611	North Baltimore WTP	North Baltimore Village 258 Mg Reservoir	Community
Wood	OH8701611	North Baltimore WTP	North Baltimore Village 100 Mg Reservoir	Community
Wyandot	OH8800511	Upper Sandusky City	Upper Sandusky City Reservoir	Community
*Based On The Best Information Available. This Is Not A Comprehensive List Of Every Reservoir Or Surface Water Source For Each Public Water System.				

Surface Water Intakes at Ohio State Park lakes			
Harsha Lake (West Branch SP)	Water Intake	41° 8'31.94"N	81° 5'55.53"W
Pymatuning Lake	Water Intake	41°33'46.68"N	80°31'41.32"W

**APPENDIX G -
2016 HAB CONTACTS**

Ohio EPA Division of Drinking and Ground Waters Contacts:

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**If it is after normal business hours and an Ohio EPA staff person cannot be reached, call:
1-800-282-9378**

PWS HAB Webpage: www.epa.ohio.gov/ddagw/HAB.aspx

Ohio Beachguard Webpage (all recreation HAB Advisories):

<http://publicapps.odh.ohio.gov/BeachGuardPublic/Default.aspx>

Additional Ohio EPA Contacts:

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**APPENDIX H - U.S. ARMY CORPS OF ENGINEERS OHIO
RESERVOIR HAB CONTACT INFORMATION**

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Louisville District
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PhD/Limnologist

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Steve Lee (513) 897-1050

Caesar Creek Lake

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Project Manager

William H. Harsha Lake

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Project Manager

West Fork Lake

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Cincinnati, OH 45240-3930
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Huntington District:

District POC:

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Upper Tuscarawas Projects Office (located at Atwood Lake):

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Facility Manager for all Upper Tuscarawas

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Mineral City, OH 44656-9645
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Beech City Lake

Beach City Dam 5449 St Rt 250 NE
Beach City, OH 44608-9801
(330) 878-7391

Bolivar Dam Lake

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Bolivar, OH 44612-9521
(330) 874-2121

Dover Lake

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Dover, OH 44612-6910
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Leesville Lake

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Lower Tuscarawas Projects Office (located at Piedmont Lake):

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Piedmont Lake

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Senecaville Lake

Rfd #1

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Walhonding Projects Office (located at Mohawk Dam):

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Pleasant Hill Lake

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Wills Creek Lake

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Scioto Basin - Individual Lake Project Contact Information:**Alum Creek Lake**

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Park Manager

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Park Manager

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Hocking Basin - Individual Lake Project Contact Information:

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Resource Manager

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Note:

Some published literature that identifies cyanobacteria bloom threshold definitions include: Carson, Bonnie; Anonymous 2010; Bernard. Catherine *et al.*; Donohue. Joyce *et al.* 2008; Kennedy. John O.S. 1997; Tango. P. *et al.*; Watzin. M. *et al.* December 2003; Ludmilla. Santana Soares e Barros. *et al.*; and North Carolina Department of Environmental and Natural Resources. January 2003.