

October 4, 2017



Request for Proposals
No. 2018-R067464MS
Corrosion and Odor Control
Services

Manatee County BCC
Procurement Division
1112 Manatee Avenue West Ste 803
Bradenton, FL 34205
purchasing@mymanatee.org

REQUEST FOR PROPOSAL 18-R067464MS CORROSION AND ODOR CONTROL SERVICES

Manatee County, a political subdivision of the State of Florida (hereinafter referred to as County) will receive proposals from individuals, corporations, partnerships, and other legal entities authorized to do business in the State of Florida (Proposers), to provide Corrosion and Odor Control Services, as specified in this Request for Proposals (RFP) the Utilities Department, Waste Water Division.

DATE, TIME AND PLACE DUE:

The Due Date and Time for submission of Proposals in response to this RFP is **October 24, 2017, 2017 at 2:00 P.M. ET.** Proposals must be delivered to the following location: Manatee County Administration Building, 1112 Manatee Ave. W., Suite 803, Bradenton, FL 34205 prior to the Due Date and Time. Proposals will be opened immediately following the Due Date and Time at the Manatee County Administration Building, Suite 803. Interested parties are invited to attend the opening.

NON-MANDATORY INFORMATION CONFERENCE:

Potential Proposers are invited to attend to obtain information and understanding of the County's needs. Attendance is not mandatory, but is strongly encouraged. **Not applicable.**

DEADLINE FOR QUESTIONS AND CLARIFICATION REQUESTS:

The deadline to submit all inquiries, suggestions, or requests concerning interpretation, clarification or additional information pertaining to this Request for Proposal to the Manatee County Procurement Division is October 13, 2017.

Table of Contents

Section		Page
A	Instructions to Proposers	2 - 12
B	Scope of Services	13 - 17
C	Form of Proposal	18 - 22
D	Evaluation of Proposals	23 - 24
E	Negotiation of the Agreement	25
	Proposal Signature Form	Attachment A
	Public Contracting & Environmental Crimes Certification	Attachment B
	Pumping Station Addresses and Capacity	Attachment C
	Current Treatment Locations and Dosage Amounts	Attachment D
	Schematics of Current Treatment Locations for North, Southeast and Southwest Service Areas	Attachment E

Important: A prohibition of lobbying is in place. Review Section A.09 carefully to avoid violation and possible sanctions.

DESIGNATED PROCUREMENT CONTACT: Monica Sell, Contracts Negotiator
(941) 749-3042, Fax (941) 749-3034
Email: monica.sell@mymanatee.org
Manatee County Financial Management Department
Procurement Division

AUTHORIZED FOR RELEASE: 

REQUEST FOR PROPOSAL 18-R067464MS CORROSION AND ODOR CONTROL SERVICES

SECTION A: INSTRUCTIONS TO PROPOSERS

In order to receive consideration, Proposers must meet the minimum qualification requirements and comply with the following instructions. Proposals will be accepted from a single business entity, joint venture, partnership or corporation.

A.01 PUBLIC SEALED PROPOSAL OPENING

Sealed proposals will be publicly opened at Manatee County Procurement Division, 1112 Manatee Avenue West, 8th Floor, Suite 803, Bradenton, Florida 34205, in the presence of County officials at the time and date stated, or at such time as the final call for proposals is made. All Proposers or their representatives are invited to attend the sealed proposal opening.

No review or analysis of the proposals will be conducted at the public opening. Manatee County will receive proposals at the Time and Date stated and will make public at the opening the names of the business entities which submitted a proposal and city and state in which they reside.

Proposal(s) received after the final call for proposals has been made will not be considered. It will be the sole responsibility of the Proposer to have its proposal delivered to the Manatee County Procurement Division for receipt on or before the stated time and date. If a proposal is sent by U.S. Mail, courier or other delivery services, the Proposer will be responsible for its timely delivery to the Procurement Division. Proposals delayed in delivery will not be considered, will not be opened at the public opening, and arrangements will be made for their return at the Proposer's request and expense.

A.02 SEALED & MARKED PROPOSAL

The contents of the proposal sealed package must include:

- One (1) bound original clearly identifying Proposer and marked "ORIGINAL".
- Five (5) bound copies clearly identifying Proposer and marked "COPY" with all required information and identical to the original.
- Two (2) electronic format copies clearly identifying Proposer.

Electronic format copies should be submitted on separate USB portable flash memory cards/drives or compact disc (CD) in MicroSoft Office® or Adobe Acrobat® portable document format (PDF) in one continuous file. Do not password protect or otherwise encrypt electronic proposal copies. Electronic copies must contain an identical proposal to the original.

Submit the proposal package in one sealed package with the following information clearly marked on the outside of the package: RFP No. 18-R067464MS, Corrosion and Odor Control Services, Proposer's name, and Proposer's address. Proposals must be received by the Manatee County Procurement Division prior to the Deadline at the following address:

Manatee County
Procurement Division
1112 Manatee Avenue West, Suite 803
Bradenton, FL 34205

Proposals must be organized and arranged with tabs in the same order as listed in the subsections within Section C identifying the response to each specific item.

Proposals must clearly indicate the legal name, address and telephone number of the Proposer (company, firm, partnership, individual). Proposals must be signed by an individual authorized to make representations for the Proposer.

A.03 SECURING PROPOSAL DOCUMENTS & ADDENDA

All documents issued pursuant to this RFP are available for download at no charge at www.mymanatee.org > *Bids and Proposals*. This link is located on the left side of the County website home page. Documents may be viewed and downloaded for printing using Adobe Reader® software.

At its sole discretion, the County may elect to advertise solicitations utilizing the third-party provider, DemandStar by Onvia® (DemandStar) to distribute proposals. Visit the DemandStar website at www.Demandstar.com for more information regarding this service. Participation in the DemandStar system is not a requirement for doing business with Manatee County.

The Request for Proposal and all related documents are available for public inspection at the Manatee County Procurement Division, 1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205, or by calling (941) 749-3014 (appointments are encouraged). Documents are available between the hours of 8:00 A.M. and 5:00 P.M., Monday through Friday, with the exception of County holidays.

As a courtesy, Manatee County notifies the Manatee Chamber of Commerce of all active solicitations, who then distributes the information to its members.

Any interpretations, corrections or changes to this RFP will be made by addendua. Addenda will be posted on the Procurement Division's web page of the County website at <http://www.mymanatee.org/purchasing> > Bids and Proposals. For those solicitations that are advertised on DemandStar, addenda will also be posted on the DemandStar distribution system to "Planholders" on this web service.

All addenda are a part of the RFP solicitation documents and each Proposer will be bound by such addenda. It is the responsibility of each Proposer to read and comprehend all addenda issued. Failure of any Proposer to acknowledge an issued addendum in its Proposal will not relieve the Proposer from any obligation contained therein.

A.04 PROPOSAL EXPENSES

Proposer is solely responsible for all costs incurred by Proposer in responding to this RFP.

A.05 QUESTION AND CLARIFICATION PERIOD

Each Proposer shall examine all RFP documents and will judge all matters relating to the adequacy and accuracy of such documents. Any inquiries, suggestions or requests concerning interpretation, clarification or additional information pertaining to this RFP shall be made in writing via email to the Manatee County Procurement Division at purchasing@mymanatee.org. Manatee County will not be responsible for oral interpretations given by other sources including County staff, representative, or others. The issuance of a written addendum by the Procurement Division is the only official method whereby interpretation, clarification or additional information can be given.

A.06 FALSE OR MISLEADING STATEMENTS

Proposals which contain false or misleading statements or which provide references which do not support an attribute or condition claimed by the Proposer, may be rejected. If, in the opinion of the County, such information was intended to mislead the County in its evaluation of the proposal, and the attribute, condition or capability is a requirement of this RFP, it will be the basis for rejection of the proposal. Such Proposer will be disqualified from consideration for this RFP and may be disqualified from submitting a bid response or proposal to supply goods or services on future solicitation opportunities with the County.

A.07 RULES FOR WITHDRAWAL OR REVISION OF OPENED PROPOSALS

Proposers may withdraw proposals under the following circumstances:

- a. If Proposer discovers a mistake(s) prior to the Due Date and Time. Proposer may withdraw its proposal by submitting a written notice to the Procurement Division. The notice must be received in the Procurement Division prior to the Due Date and Time for receiving proposals. A copy of the request shall be retained and the unopened proposal returned to the Proposer; or
- b. After the proposals are opened but before a contract is signed, Proposer alleges a material mistake of fact if:
 1. The mistake is clearly evident in the solicitation document; or
 2. Proposer submits evidence which clearly and convincingly demonstrates that a mistake was made in the proposal. Request to withdraw a proposal must be in writing and approved by the Procurement Official.

A.08 JOINT VENTURES

Proposers intending to submit a proposal as a joint venture with another entity are required to have filed proper documents with the Florida Department of Business and Professional Regulation and all other State or local licensing agencies as required by Florida Statute Section 489.119, prior to the Due Date and Time.

A.09 LOBBYING

After the issuance of any solicitation or during renegotiations, prospective Proposers, or their agents, representatives or persons acting on behalf of such Proposer, shall not contact, communicate with or discuss any matter relating in any way to the solicitation with any officer,

agent or employee of Manatee County other than the Procurement Official or designee. This prohibition includes copying such persons on written communication, including email correspondence. This requirement begins at the time of advertisement of the RFP and ends upon final execution of the contract or at the time the solicitation is cancelled or the renegotiation efforts are terminated. The prohibition does not apply to presentations made to the evaluation committee or at a County Commission meeting where the Commission is considering approval of a proposed contract. Violators of this prohibition will be subject to sanctions as provided in the Manatee County Code of Ordinances Section 2-26-31 and 2-26-32. Sanctions may include (a) written warning; (b) termination of contracts; and (c) debarment or suspension.

A.10 EXAMINATION OF OFFER

The examination and evaluation of the proposals submitted in response to this solicitation generally requires a period of not less than ninety (90) calendar days from the Due Date and Time.

A.11 ERRORS OR OMISSIONS

Once a proposal is opened, the County will not accept any request by Proposer to correct errors or omissions in the proposal other than as identified in paragraph A.7.

A.12 DISQUALIFICATION DUE TO NON-RESPONSIVENESS

Manatee County reserves the right to determine the responsiveness of all proposal received. To be responsive a proposal must contain all of the information, attachments, verification, forms or other information required. Proposals that are deemed non-responsive will not be considered or evaluated.

A.13 RESERVED RIGHTS

The County reserves the right to accept or reject any and/or all proposals, to waive irregularities and technicalities, and to request resubmission. Any sole response received by the due date may or may not be rejected by County depending on available competition and timely needs of the County. The County reserves the right to award the contract to a responsible Proposer submitting a responsive proposal, with a resulting negotiated agreement which is most advantageous and in the best interests of the County.

The County will be the sole judge of the proposal, and the resulting negotiated agreement that is in its best interest and its decision will be final. The County reserves the right to request additional information and/or conduct an investigation as it deems necessary to determine the ability of any Proposer to perform the work or service requested. Upon request by the County, Proposer shall provide all such information to the County. Additional information may include, but will not be limited to, current financial statements prepared in accordance with generally accepted accounting practices and certified by an independent CPA or official of Proposer; verification of availability of equipment and personnel; and past performance records.

A.14 APPLICABLE LAWS

Proposer must be authorized to transact business in the State of Florida. All applicable laws and regulations of the State of Florida and ordinances and regulations of Manatee County will apply to any resulting agreement. Any involvement with any Manatee County procurement will be in accordance with Manatee County Code of Laws, Chapter 2-26.

A.15 TAXES

Manatee County is exempt from Federal Excise and State Sales Taxes. (F.E.T. Cert. No. 59-78-0089K; Florida Sales Tax Exempt Cert. No. 85-8012622206C-6); therefore, the Proposer is prohibited from delineating a separate line item in his proposal for any sales or service taxes. Nothing herein will affect the Proposer's normal tax liability.

The Successful Proposer will be responsible for the payment of taxes of any kind and character including but not limited to sales, consumer, use, and other similar taxes payable on account of the work performed and/or materials furnished under the award in accordance with all applicable laws and regulations during the performance of the work. Nothing herein will affect the Proposer's normal tax liability.

A.16 SCRUTINIZED COMPANIES

Florida Statutes § 287.135, as amended from time to time, may contain limitations on the part of a company to conduct business with County. Submission of a response to this solicitation shall be subject to all procedural requirements contained within Statute 287 including the submission of any required certification of eligibility to contract with County. It shall be the responsibility of the company responding to this solicitation to concurrently review the current version of the statute and ensure it is compliant.

A.17 COLLUSION

By offering a submission to this Request for Proposal, the Proposer certifies the Proposer has not divulged to, discussed or compared his/her proposal with other Proposers and has not colluded with any other Proposer or parties to this proposal whatsoever. Also, the Proposer certifies, and in the case of a joint proposal, each party thereto certifies, as to their own organization that in connection with this proposal:

- a. any prices and/or data submitted have been arrived at independently, without consultation, communication or agreement, for the purpose of restricting competition, as to any matter relating to such prices and/or cost data, with any other Proposer or with any competitor;
- b. any prices and/or cost data quoted for this proposal have not been knowingly disclosed by the Proposer prior to the scheduled opening directly or indirectly to any competitor;
- c. no attempt has been made or will be made by the Proposer to induce any other person or firm to submit or not to submit a proposal for the purpose of restricting competition;
- d. the only person or persons interested in this proposal as principal or principals is/are named therein and that no person other than therein mentioned has any interest in this proposal or in the contract to be entered into; and
- e. no person or agency has been employed or retained to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees.

A.18 **CODE OF ETHICS**

With respect to this proposal, if any Proposer violates, directly or indirectly, the ethics provisions of the Manatee County Procurement Code and/or Florida criminal or civil laws related to public procurement, including but not limited to Florida Statutes Chapter 112, Part II, Code of Ethics for Public Officers and Employees, such Proposer will be disqualified from eligibility to perform the work described in this Request for Proposal, and may also be disqualified from furnishing future goods or services to and from submitting any future bids or proposals to supply goods or services to Manatee County.

A.19 **PUBLIC ENTITY CRIMES**

In accordance with Section 287.133, Florida Statutes, a person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a proposal on a contract to provide any goods or services to a public entity, may not submit a proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit proposals on leases or real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017 for Category Two for a period of 36 months from the date of being placed on the convicted vendor list.

In addition, Manatee County Code of Laws Chapter 2-26 Article V prohibits the award of County contracts to any person or entity who/which has, within the past 5 years, been convicted of, or admitted to in court or sworn to under oath, a public entity crime or of any environmental law that, in the reasonable opinion of the Purchasing Official, establishes reasonable grounds to believe the person or business entity will not conduct business in a reasonable manner.

To ensure compliance with the foregoing, Manatee County Code of Laws requires all persons or entities desiring to contract with Manatee County to execute and file with the Purchasing Official an affidavit, executed under the pain and penalties of perjury, confirming that person, entity, and any person(s) affiliated with the entity, does not have such a record and is therefore eligible to seek and be awarded business with Manatee County. Proposer is to complete Attachment "B" and submit with your proposal.

A.20 **AMERICANS WITH DISABILITIES**

Manatee County does not discriminate upon the basis of any individual's disability status. This non-discrimination policy involves every aspect of County's functions including one's access to participation, employment, or treatment in its programs or activities. Anyone requiring reasonable accommodation for an information conference or proposal opening should contact the person named on the cover page of this document at least twenty-four (24) hours in advance of either activity.

A.21 **EQUAL EMPLOYMENT OPPORTUNITY**

In accordance with Title VI of the Civil Rights Act of 1964, Title 15, Part 8 of the Code of Federal Regulations and the Civil Rights Act of 1992, Manatee County hereby notifies all Proposers that it will affirmatively ensure minority business enterprises are afforded full opportunity to participate in response to this Request For Proposal and will not be discriminated against on the

grounds of race, color, national origin, religion, sex, age, handicap, or marital status in consideration of award.

A.22 **MINORITY AND/OR DISADVANTAGED BUSINESS ENTERPRISE**

The State of Florida Office of Supplier Diversity provides the certification process and maintains the database of certified MBE/DBE firms. Additional information may be obtained at <http://www.osd.dms.state.fl.us/iframe.htm> or by calling (850) 487-0915.

A.23 **DISCLOSURE**

Upon receipt, all inquiries and responses to inquiries related to this Request for Proposal become “Public Records”, and shall be subject to public disclosure consistent with Florida Statute, Chapter 119.

Proposals become subject to disclosure thirty (30) days after the opening or if a notice of intent to award decision is made earlier than this time as provided by Florida Statutes § 119.071(1)(b). No announcement or review of the proposals shall be conducted at the public opening.

Based on the above, County will receive proposals at the time and date stated and will make public at the opening the names of the business entities of all that submitted a proposal.

If County rejects all proposals and concurrently notices its intent to reissue the solicitation, the rejected proposals are exempt from public disclosure until such time as County provides notice of an intended decision concerning the reissued solicitation or until County withdraws the reissued solicitation. A proposal is not exempt for longer than twelve (12) months after the initial notice of rejection of all proposals.

Pursuant to Florida Statute 119.0701, to the extent Successful Proposer is performing services on behalf of County, Successful Proposer must:

- a. Keep and maintain public records required by public agency to perform the service. That information and data it manages as part of the services may be public record in accordance with Chapter 119, Florida Statutes and Manatee County public record policies. Proposer agrees, prior to providing goods/services, it will implement policies and procedures, which are subject to approval by County, to maintain, produce, secure, and retain public records in accordance with applicable laws, regulations, and County policies including but not limited to Section 119.0701, Florida Statutes.
- b. Upon request from the public agency’s custodian of public records, provide the public agency with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Florida Statutes, Chapter 119, or as otherwise provided by law.
- c. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Successful Proposer does not transfer the records to the public agency.

- d. Upon completion of the contract, transfer, at no cost, to the public agency all public records in possession of contractor or keep and maintain public records required by the public agency to perform the service. If the Successful Proposer transfers all public records to County upon completion of the contract, the Successful Proposer shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Successful Proposer keeps and maintains public records upon completion of the contract, the Successful Proposer shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to County, upon request from County's custodian of public records, in a format that is compatible with the information technology systems of County.

IF THE SUCCESSFUL PROPOSER HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO ITS DUTY TO PROVIDE PUBLIC RECORDS RELATING TO ANY RESULTING CONTRACT, CONTACT COUNTY'S CUSTODIAN OF PUBLIC RECORDS AT: (941) 742-5845, DEBBIE.SCACCIANOCE@MYMANATEE.ORG, ATTN: RECORDS MANAGER, 1112 MANATEE AVENUE WEST, BRADENTON, FL 34205.

A.24 TRADE SECRETS

Manatee County is subject to Chapter 119, Florida Statutes. Therefore, all documents, materials, and data submitted as part of a Proposal in response to a Request For Proposal are governed by the disclosure, exemption and confidentiality provisions relating to public records in Florida Statutes.

Except for materials that are "trade secrets" or "confidential" as defined by Chapter 812, Florida Statutes, ownership of all documents, materials and data submitted as part of a Proposal in response to the Request for Proposal shall belong exclusively to County.

To the extent that Proposer desires to maintain the confidentiality of materials that constitute trade secrets pursuant to Florida law, trade secret material submitted must be segregated from the portions of the Proposal that are not being declared as trade secret. In addition, Proposer shall cite, for each trade secret being claimed on each relevant page, the Florida Statute number which supports the designation. Further, Proposal shall offer a brief written explanation as to why information claimed as trade secret fits the cited statute number. Finally, the Proposer shall provide an additional copy of the proposal that redacts all designated trade secrets.

By submitting this information no later than the time and date set for the opening of proposals, for consideration for approval to designate a trade secret and withhold from the public record, Proposer acknowledges and agrees:

- a. Proposer understands and agrees that trade secret designation(s) must be completed and submitted no later than the time and date set for the opening of proposals. Trade secret requests made after the opening will not be considered. However, County reserves the right to clarify the Proposers request for trade secret at any time.

- b. County and its officials, employees, agents, and representatives in any way involved in processing, evaluating, negotiating contract terms, approving any contract based on the proposal, or engaging in any other activity relating to the competitive selection process are hereby granted full rights to access, view, consider, and discuss the information designated as trade secret through the final contract award;

Notwithstanding any other provision in the solicitation, the classification as trade secret of the entire proposal document, line item and/or total proposal prices, the work, services, project, goods, and/or products to be provided by Proposer is not acceptable to County and will result in a determination that the proposal is non-responsive; the classification as trade secret of any other portion of a proposal document may result in a determination that the proposal is non-responsive.

A.25 CONFIDENTIALITY OF SECURITY RELATED RECORDS

(a) Pursuant to Florida Statutes § 119.071(3), the following records (hereinafter referred to collectively as “the Confidential Security Records”) are confidential and exempt from the disclosure requirements of Florida Statutes § 119.07(1):

1. A Security System Plan or portion thereof for any property owned by or leased to County or any privately owned or leased property held by County.
2. Building plans, blueprints, schematic drawings, and diagrams, including draft, preliminary, and final formats, which depict the internal layout and structural elements of a building, arena, stadium, water treatment facility, or other structure owned or operated by County.
3. Building plans, blueprints, schematic drawings, and diagrams, including draft, preliminary, and final formats, which depict the internal layout or structural elements of an attractions and recreation facility, entertainment or resort complex, industrial complex, retail and service development, office development, or hotel or motel development in the possession of, submitted to County.

(b) Successful Proposer agrees that it shall not, as a result of a public records request, or for any other reason disclose the contents of, or release or provide copies of the Confidential Security Records to any other party absent the express written authorization of County’s Property Management Director or to comply with a court order requiring such release or disclosure. To the extent Successful Proposer receives a request for such records, it shall immediately contact County’s designated Contract Manager who shall coordinate County’s response to the request. Notwithstanding the foregoing, the Successful Proposer may:

1. Disclose or release Security System Plans to:
 - i. The property owner or leaseholder; or
 - ii. Another state or federal agency to prevent, detect, guard against, respond to, investigate, or manage the consequences of any attempted or actual act of terrorism, or to prosecute those persons who are responsible for such attempts or acts.

2. Disclose or release building plans, blueprints, schematic drawings, and diagrams, including draft, preliminary, and final formats, which depict the internal layout and structural elements of a building, arena, stadium, water treatment facility, or other structure owned or operated by County:
 - i. To another governmental entity if disclosure is necessary for the receiving entity to perform its duties and responsibilities;
 - ii. To a licensed architect, engineer, or contractor who is performing work on or related to the building, arena, stadium, water treatment facility, or other structure owned or operated by County and is contractually bound by the Successful Proposer to comply with this Section; or
 - iii. Upon a showing of good cause before a court of competent jurisdiction.

(c) For purposes of this Section, the term "Security System Plan" includes all:

1. Records, information, photographs, audio and visual presentations, schematic diagrams, surveys, recommendations, or consultations or portions thereof relating directly to the physical security of the facility or revealing security systems;
2. Threat assessments conducted by any agency or any private entity;
3. Threat response plans;
4. Emergency evacuation plans;
5. Sheltering arrangements; or
6. Manuals for security personnel, emergency equipment, or security training.

A.26 E-VERIFY

Prior to the employment of any person under this contract, the Successful Proposer shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of (a) all persons employed during the contract term by the Successful Proposer to perform employment duties within Florida and (b) all persons, including subcontractors, assigned by the Successful Proposer to perform work pursuant to the contract with Manatee County. For more information on this process, please refer to United States Citizenship and Immigration Service site at: <http://www.uscis.gov/>.

Only those individuals determined eligible to work in the United States shall be employed under this contract.

By submission of a proposal in response to this RFP, the successful Proposer commits that all employees and subcontractors will undergo e-verification before placement on this contract.

The successful Proposer shall maintain sole responsibility for the actions of its employees and subcontractors. For the life of the contract, all employees and new employees brought in after contract award shall be verified under the same requirement stated above.

A.27 SOLICITATION SCHEDULE

The following schedule has been established for this Solicitation process. Refer to the County's website (www.mymanatee.org > Online Services > Bids & Proposals) for meeting locations and updated information pertaining to any revisions to this schedule.

Scheduled Item	Scheduled Date
Non-Mandatory Pre-Solicitation Information Conference	Not Applicable
Question and Clarification deadline	October 13, 2017, no later than 1:00p.m.
Final Addendum posted	Not Applicable
Proposal Response Due Date and Time	October 24, 2017, no later than 2:00p.m.
Technical evaluation meeting	November 7, 2017, at 1:00pm
Interviews/Presentations/Demonstrations	Not Applicable
Technical evaluation meeting	Not Applicable
Best and Final Offers Requested (if used)	Not Applicable
Best and Final Offer Responses Due (if used)	Not Applicable
Final evaluation meeting	Not Applicable

END SECTION A

**SECTION B:
SCOPE OF SERVICES**

B.01 BACKGROUND INFORMATION

Manatee County (County) is requesting proposals from qualified firms (Proposers) for the provision of corrosion and odor control services for the Utilities Department for the County wastewater collections and treatment system. The goal of the resulting agreement for services between the County and the successful Proposer (Contract) is to minimize corrosion effects on wastewater infrastructure and to address nuisance odor issues in the wastewater collection and treatment system. Proposer's may submit on Option 1, Option 2 or both Options as described further in this Scope of Services.

The Utilities Department wastewater collection system is separated into three service areas, each with its own collection system and water reclamation facility (WRF): North, Southeast, and Southwest. The County owns and maintains approximately 382 miles of force mains, 1164 miles of gravity mains, and 643 lift stations. In addition to County-owned infrastructure, the collection system also consists of approximately 65 miles of force mains, 284 miles of gravity mains, and 200 lift stations that are privately owned and maintained. The County also operates and maintains a biosolids thermal dryer at the Southeast WRF (see Attachment C, LS Locations).

On an annual average basis, the County treats approximately 22.4 mgd of wastewater at its three water reclamation facilities (3.8 mgd at the North WRF, 6.3 mgd at the Southeast WRF, and 12.3 mgd at the Southwest WRF), and approximately 20,000 wet tons of biosolids at its thermal drying facility. Service calls vary from month-to-month depending upon requirements. During the time period of March 2017 through August 2017, there were approximately ten service requests during regular business hours and one emergency request.

More detailed information on the County's collection system, including location of collection system infrastructure that includes lift stations, gravity mains, and force mains, as well as pipe lengths and diameters, can be found on the public geographic information system (GIS) located at the County's website at www.MyManatee.org. Attachment C provides additional information for each lift station, including physical address and pump capacity.

Schematics showing the current treatment locations for the North, Southeast, and Southwest Service Areas are provided in Appendix E.

A site visit to the odorous or supplemental lift stations can be arranged by contacting the Procurement Department by phone at 941-748-3042 or via email at purchasing@mymanatee.org.

B.02 SCOPE

The successful Proposer shall furnish the necessary personnel, materials, chemicals, services, permits and licenses, methodology, supplies, and equipment necessary to provide services for the control of corrosion and odor utilizing the requirements and specifications for Option 1: Calcium Nitrate and/or Option 2: Magnesium Hydroxide, and as applicable to Option 1 for calcium nitrate chemicals, shall provide vapor phase treatment for nuisance odor issues. Current treatment locations and dosage amounts are identified in Attachment D. At the County's discretion, the use

of the successful Proposer's services may be expanded to other locations and service areas during the term of the Contract as the County continues its treatment strategy evaluation.

[Remainder of page intentionally left blank]

B.03 GENERAL REQUIREMENTS: OPTION 1: CALCIUM NITRATE

- A. Successful Proposer for Option 1 will provide a calcium nitrate-based treatment strategy for application at specific locations within the County’s wastewater system as shown in Attachment E, with the exception of the locations identified below in Table 1.

Table 1

North Service Area Magnesium Hydroxide Treatment Locations		
Lift Station Name	Lift Station RTU	Treatment Type
Colony Cove #8	524	Mag Hydroxide
Jail/Stockade	565	Mag Hydroxide
N2B	548	Mag Hydroxide
N4B	550	Mag Hydroxide
River Wilderness 4	532	Mag Hydroxide

- B. Successful Proposer shall provide all new storage and dosing equipment at the beginning of the Contract term and replacement, of equipment, as applicable, throughout the Contract term.
- C. All storage and dosing equipment provided by Successful Proposer shall be compatible with the material being stored and pumped
- D. All storage and dosing equipment provided by Successful Proposer shall meet all Manatee County, State of Florida, and Federal laws, rules and regulations.
- E. Successful Proposer shall provide double contained storage tanks at all dosing locations that are 1000 gallon or greater size, based on the site and County requirements.
- F. Upon request by the County, Successful Proposer shall provide tertiary containment at certain locations. NOTE: The County reserves the right to upgrade or increase the storage capacity or the type of control system at any site at any time during the term of Contract.
- G. Successful Proposer shall be responsible for installation and maintenance of the storage and delivery systems and all associated piping and appurtenances during the term of the Contract.
- H. Successful Proposer shall be responsible for obtaining all County required construction permits, drawings and schematics necessary for the installation of the storage and delivery system. All plans and schematics provided by successful Proposer shall be stamped by an licensed engineer registered in the State of Florida.
- I. Successful Proposer shall provide gas phase hydrogen sulfide monitoring for key corrosion and odor control points. Note: Due to the length of time treatment systems at most locations have been in place, pretreatment H2S baseline levels are no longer available.
- J. Successful Proposer shall provide service at intervals not exceed fifteen (15) calendar days for any site and scheduled service visits shall include, at a minimum, the following:

- i. Control point gas phase hydrogen sulfide (H₂S) emissions
 - ii. Control point pH measurement (magnesium hydroxide)
 - iii. Control point temperature measurement
 - iv. Scheduled preventative maintenance on storage tanks and dosing system as per manufacturer's recommendations
 - v. Chemical feed rate adjustment (if necessary)
- K. Successful Proposers shall establish a monthly communication link with County personnel as determined by the Wastewater Division Manager of the Manatee County Utilities Department. The County shall have final approval of ongoing corrosion/odor control planning and adjustment process as wastewater collection/treatment systems expand and as evaluation of the systems by the County continues.
- L. Successful Proposers shall provide an organizational seminar regarding its services and introduce its staff members to the County representatives within thirty (30) days after contract award.
- M. Successful Proposers shall hold at least one (1) yearly workshop for County employees at a County designated location to describe the latest techniques in odor and corrosion control treatment, as well as safe handling techniques of chemical products. An agenda and detailed outline of topics for the workshop shall be provided to the County at least thirty (30) days prior to each workshop as agreed to by the County.
- N. Successful Proposer shall be fully responsible for conforming to all requirements regarding handling, hauling, spill reporting and disposal of chemicals for the control services provided at each County work site in accordance with OSHA regulations and those that may be mandated by federal or State Governments.
- O. Successful Proposer shall be fully responsible for the control of the environment of the work site during on-site operations. All precautions shall be taken by the successful Proposer to protect the workers, public and County staff, from any exposure to harmful or hazardous substances within the sewer system and from dangerous work materials and equipment.
- P. Successful Proposer shall be fully responsible for the operation of their vehicles and handling of all materials related to the corrosion and odor control services at all locations within the County.
- Q. Successful Proposers shall inform the County of its planned work schedule to include delivery of chemical products and shall afford the County reasonable opportunity to observe and inspect the successful Proposer's work in progress.
- R. Successful Proposer shall provide monthly reports to include complete system overview with total chemical usage and pH and gas phase hydrogen sulfide monitoring data for that month.
- S. Upon request by the County, successful Proposer shall provide the following services at no additional cost: Coordination and facilitation of meetings with County staff to update operational agreements too include, but not limited to, protocols, training, system repairs,

adjustments, targeted goals and program oversight. Includes participation in meetings deemed necessary by the County to address corrosion/odor control program needs.

- T. Successful Proposer shall provide 24 hours per day, 7 days per week service and shall maintain adequate, service technicians, chemicals, equipment, and supplies to be on site to respond to odor problems, equipment problems, and emergency situations as follows: same-day onsite response to standard requests and four-hour onsite response to emergency requests.

B.04 TECHNICAL REQUIREMENTS OPTION 1 CALCIUM NITRATE

- A. Successful Proposers shall, based upon treatment and budgetary objectives established by the Utilities Department, and as directed by of the Utilities Department upon award of Contract, refine and adjust the existing corrosion/odor control program. Treatment strategies must emphasize prevention/minimization of hydrogen sulfide production in the system where practical (as opposed to treating for odor after hydrogen sulfide formation has occurred). The treatment program shall include, but not be limited to, expanding services to wastewater treatment plants and designated pumping stations.
- B. The material supplied shall be an aqueous solution of calcium nitrate containing a minimum of 3.5 pounds of nitrate-oxygen per gallon.
- C. The calcium nitrate solution shall be capable of reducing the dissolved hydrogen sulfide concentration in wastewater to 0.1 mg/L or less.
- D. The calcium nitrate solution shall be free of any objectionable odor producing compounds

{Remainder of page intentionally left blank}

B.05 GENERAL REQUIREMENTS: OPTION 2: MAGNESIUM HYDROXIDE

- A. Successful Proposer for Option 2: Magnesium Hydroxide based pH treatment strategy for application at specific locations within the County’s wastewater system as identified below in Table 1. These locations will focus on the larger lift stations and the long manifolded force mains within the collection system.

Table 1

North Service Area Magnesium Hydroxide Treatment Locations		
Lift Station Name	Lift Station RTU	Treatment Type
Colony Cove #8	524	Mag Hydroxide
Jail/Stockade	565	Mag Hydroxide
N2B	548	Mag Hydroxide
N4B	550	Mag Hydroxide
River Wilderness 4	532	Mag Hydroxide

- B. Successful Proposer shall provide all new storage and dosing equipment at the beginning of the Contract term and replacement, of equipment, as applicable, throughout the Contract term.
- C. All storage and dosing equipment provided by Successful Proposer shall be compatible with the material being stored and pumped
- D. All storage and dosing equipment provided by Successful Proposer shall meet all Manatee County, State of Florida, and Federal laws, rules and regulations.
- E. Successful Proposer shall provide double contained storage tanks at all dosing locations that are 1000 gallon or greater size, based on the site and County requirements.
- F. Upon request by the County, Successful Proposer shall provide tertiary containment at certain locations. NOTE: The County reserves the right to upgrade or increase the storage capacity or the type of control system at any site at any time during the term of Contract.
- G. Successful Proposer shall be responsible for installation and maintenance of the storage and delivery systems and all associated piping and appurtenances during the term of the Contract.
- H. Successful Proposer shall be responsible for obtaining all County required construction permits, drawings and schematics necessary for the installation of the storage and delivery system. All plans and schematics provided by successful Proposer shall be stamped by an licensed engineer registered in the State of Florida.
- I. Successful Proposer shall provide gas phase hydrogen sulfide monitoring for key corrosion and odor control points. Note: Due to the length of time treatment systems at most locations have been in place, pretreatment H2S baseline levels are no longer available.

- J. Successful Proposer shall provide service at intervals not exceed fifteen (15) calendar days for any site and scheduled service visits shall include, at a minimum, the following:
 - vi. Control point gas phase hydrogen sulfide (H₂S) emissions
 - vii. Control point pH measurement (magnesium hydroxide)
 - viii. Control point temperature measurement
 - ix. Scheduled preventative maintenance on storage tanks and dosing system as per manufacturer's recommendations
 - x. Chemical feed rate adjustment (if necessary)

- K. Successful Proposers shall establish a monthly communication link with County personnel as determined by the Wastewater Division Manager of the Manatee County Utilities Department. The County shall have final approval of ongoing corrosion/odor control planning and adjustment process as wastewater collection/treatment systems expand and as evaluation of the systems by the County continues.

- L. Successful Proposers shall provide an organizational seminar regarding its services and introduce its staff members to the County representatives within thirty (30) days after contract award.

- M. Successful Proposers shall hold at least one (1) yearly workshop for County employees at a County designated location to describe the latest techniques in odor and corrosion control treatment, as well as safe handling techniques of chemical products. An agenda and detailed outline of topics for the workshop shall be provided to the County at least thirty (30) days prior to each workshop as agreed to by the County.

- N. Successful Proposer shall be fully responsible for conforming to all requirements regarding handling, hauling, spill reporting and disposal of chemicals for the control services provided at each County work site in accordance with OSHA regulations and those that may be mandated by federal or State Governments.

- O. Successful Proposer shall be fully responsible for the control of the environment of the work site during on-site operations. All precautions shall be taken by the successful Proposer to protect the workers, public and County staff, from any exposure to harmful or hazardous substances within the sewer system and from dangerous work materials and equipment.

- P. Successful Proposer shall be fully responsible for the operation of their vehicles and handling of all materials related to the corrosion and odor control services at all locations within the County.

- Q. Successful Proposers shall inform the County of its planned work schedule to include delivery of chemical products and shall afford the County reasonable opportunity to observe and inspect the successful Proposer's work in progress.

- R. Successful Proposer shall provide monthly reports to include complete system overview with total chemical usage and pH and gas phase hydrogen sulfide monitoring data for that month.

- S. Upon request by the County, successful Proposer shall provide the following services at no additional cost: Coordination and facilitation of meetings with County staff to update

operational agreements too include, but not limited to, protocols, training, system repairs, adjustments, targeted goals and program oversight. Includes participation in meetings deemed necessary by the County to address corrosion/odor control program needs.

- T. Successful Proposer shall provide 24 hours per day, 7 days per week service and shall maintain adequate, service technicians, chemicals, equipment, and supplies to be on site to respond to odor problems, equipment problems, and emergency situations as follows: same-day onsite response to standard requests and four-hour onsite response to emergency requests.

B.06 TECHNICAL REQUIREMENTS OPTION 2: MAGNESIUM HYDROXIDE

- A. Successful Proposers shall, based upon treatment and budgetary objectives established by the Utilities Department, and as directed by of the Utilities Department upon award of Contract, refine and adjust the existing corrosion/odor control program. Treatment strategies must emphasize prevention/minimization of hydrogen sulfide production in the system where practical (as opposed to treating for odor after hydrogen sulfide formation has occurred). The treatment program shall include, but not be limited to, expanding services to wastewater treatment plants and designated pumping stations.
- B. Successful Proposer shall at a minimum meet the technical specifications identified in Table 2 shown below.

Table 2: Technical Specifications for Magnesium Hydroxide

	Typical	Maximum	Minimum
Slurry Basis:			
Mg(OH) ₂ contained lbs/gal	7.7	8.0	7.0
Dry Solids Basis:			
Mg(OH) ₂ , wt.%	98.8		98.5
CaO, wt.%	0.6	0.8	
SiO ₂ , wt.%	0.20	0.35	
Fe ₂ O ₃ , wt.%	0.10	0.21	
Median Particle Size, Micron	3.0	4.0	1.0
Specific Surface Area, m ² /g	10	20	9
Acres/Gallon	3.21	3.5	3.0
Lbs. Alkalinity/Gallon	13.0	14.0	11.0
Caustic Magnesia Activity/Sec*	250	350	
% Passing 325 Mesh Sieve	99.6	100	99.0
Timed Liquid/Solid Settrometer Test, Colloidal Suspension mL/48 hours	248.0	240.0	250.0
Stabilized Residual Test, Grams*	1.0	4.0	
Caustic Soda (NaOH) Equivalent	1 lb. Equivalent to 0.73 lbs Mg(OH) ₂		
Soda Ash (Na ₂ CO ₃) Equivalent	1 lb. Equivalent to 0.55 lbs Mg(OH) ₂		
Physical Properties:			
Density, lbs./gal.	12.8	13.1	12.2
Solids, Weight Percent	56	62	55
Viscosity, cps*	150	400	100

Certifications:

ISO 9001:2008 – ANSI/ISO/ASQ Q9001-2008 Certified Distribution, Sales, and Manufacture of periclase and technical grades of magnesium oxide and hydroxide products.

- C. Magnesium hydroxide slurry produced or derived from uncalcined brucite, uncalcined dolomite, dolime, brucitic marble, or any caustic-enhanced or lime/calcium carbonate-enhanced versions of the former are not acceptable.
- D. The magnesium hydroxide slurry must be produced and derived from highly reactive magnesium chloride brine that originates and is manufactured in the United States. The product quality shall be confirmed by a written analysis of all specifications listed and must include the International Standards Organization (ISO) certificate. Proof of origination shall require the successful Proposer to provide the written street address, city, state, zip code, contact name and contact telephone number at the manufacturing location address.

END OF SECTION B

**SECTION C:
FORM OF PROPOSAL**

This section identifies specific information which must be contained within the proposal and the order in which such information should be organized. The information each proposer provides will be used to determine those proposers with the background, experience and capacity to perform the scope of services as stated in this RFP and which proposal best meets the overall needs of the County. For more information on the evaluation process, refer to Section D, Evaluation of Proposals.

C.01 INFORMATION TO BE SUBMITTED

The contents of each proposal will be organized and arranged with tabs in the same order as listed below and with the same TAB numbers. The Proposal should contain sufficient detail to permit the County to conduct a meaningful evaluation. However, overly elaborate responses are not requested or desired.

C.02 PROPOSAL FORMAT

A. TAB 1 - INTRODUCTION

Include the following in Tab 1 of the proposal.

1. A cover page that identifies Proposer, the RFP by title and the RFP number.
2. An introductory letter/statement that describe your proposal in summary form (limit 2 pages).
3. A table of contents.

B. TAB 2 – MINIMUM QUALIFICATION REQUIREMENTS

In Tab 2 submit the information and documentation requested that confirms Proposers meets the following minimum qualification requirement(s):

1. Must be registered with the State of Florida, Division of Corporations to do business in Florida.

No documentation is required. The County will verify registration.

2. Proposer and/or its subcontractors must have a current, valid Certified General Contractor's license issued by the Florida Department of Business & Professional Regulation (DBPR) to perform the construction activities required for the proper installation of the specified chemical storage and dosing equipment.

Provide a copy of Proposer's and applicable sub-contractors Certified General Contractor's license issued by the DBPR.

3. The Proposer and/or its subcontractor(s) has provided contracted corrosion and odor control services for at least two governmental clients in the state of Florida since October 2012 each of which had a minimum of 100 lift stations in their system. Provide the following information for the two qualifying clients.
 - a) Name of client
 - b) Location (City/State)

- c) Client contact name
 - d) Contact phone
 - e) Contact email
 - f) Contract dates (Start/End)
 - g) Number of lift stations
4. Proposer Is NOT listed on the Florida State Board of Administration, Scrutinized List of Prohibited Companies found at the SBAFLA website at <http://www.sbafla.com/fsb/FundsWeManage/FRSPensionPlan/PFIA/tabid/1478/Itemid/3354/Default.aspx>

No additional documentation is required. The County will verify.

- 5. Proposer has no reported conflict of interests in relation to this RFP.

Disclose the name of any officer, director or agent who is also an employee of the County. Disclose the name of any County employee who owns, directly or indirectly, any interest in the Proposer's firm or any of its branches. If no conflicts of interests are present, Proposer must submit a statement to that affect.

C. TAB 3 – FORMS

Provide the completed and executed Attachments included in this RFP.

- 1. Proposal Signature Form (Attachment A).
- 2. Public Contracting and Environmental Crimes Certification (Attachment B).
- 3. Joint Venture Agreement, if applicable (refer to Section A.08).

D. TAB 4 - TRADE SECRETS

Pursuant to Section A.24, Trade Secrets; in Tab 4 identify any trade secret being claimed to include the following information for each:

- 1. A description of the trade secret claimed.
- 2. The proposal page number(s) on which the trade secret is discussed.
- 3. The Florida Statute that supports Proposer's claim of 'trade secret'.
- 4. A brief rationale of why Proposer believes the item claimed as trade secret meets the statutory requirement cited.

E. TAB 5 - PROPOSER STATEMENT OF ORGANIZATION

In Tab 5, provide information and documentation on Proposer as follows:

- 1. Legal contracting name including any dba.
- 2. State of organization or incorporation.
- 3. Ownership structure of Proposer's company.
(e.g., Sole Proprietorship, Partnership, Limited Liability Corporation, Corporation)
- 4. Federal Identification Number.
- 5. A fully completed (signed and dated) copy of Proposer's W-9.
- 6. Contact information for Proposer's corporate headquarters and local office (if different)
NOTE: local is defined as Manatee, DeSoto, Hardee, Hillsborough, Pinellas or Sarasota counties.
Address

- City, State, Zip
- Phone
- Number of years at this location.
- 7. Years in business.
- 8. List of officers, owners and/or partners, or managers of the firm. Include names, addresses, email addresses, and phone numbers.
- 9. Contact information for Proposer's primary and secondary representatives during this RFP process to include the following information:
 - Name
 - Phone
 - E-mail
 - Mailing Address
 - City, State, Zip
- 10. Provide a brief summary regarding any **prior or pending litigation**, either civil or criminal, involving a governmental agency or which may affect the performance of the services to be rendered herein, in which the proposer, any of its partners, employees or subcontractors is or has been involved within the last three years.
- 11. Provide details of any ownership changes to Proposer's organization in the past three years or changes anticipated within six months of the Due Date and Time (e.g., mergers, acquisitions, changes in executive leadership).

F. TAB 6 – PROPOSER AND TEAM'S EXPERIENCE

1. Provide a summary of Proposer's background, size and years in business.
2. Provide Proposer's years of experience in corrosion and odor control equipment, chemicals and/or services.
3. Describe Proposer's experience in corrosion and odor control equipment, chemicals and/or services for other government agencies, particularly those within Florida or other subtropical climate locations.
4. Identify and include information regarding experience and qualifications of Proposer's key staff to be assigned to the Project. Include a resume for each with the name of the firm(s) for their current and previous employers, their full names, professional credentials (e.g., certifications and/or licenses), and roles and duties which the individuals will provide to the County. Include the address of their current primary office location, email address and phone number.
5. Identify any proposed sub-contractors to accomplish the work. Include the company name, the name of the individual(s) to be assigned, and an overview of their experience and qualifications related to corrosion and odor control equipment, chemicals and/or services.
6. Describe any significant or unique accomplishments or awards received by Proposer or its subcontractors in previous similar projects.
7. Provide a minimum of five client references for projects with similar scope who are agreeable to responding to an inquiry by the County. References should include the following information:
 - a. Client name
 - b. Client address
 - c. Client contact name
 - d. Client contact phone and fax numbers
 - e. Client contact email address

- f. Description of all services provided
- g. Number of treatment locations within the system
- h. Performance period
- i. Total amount of contract

G. TAB 7 – CAPACITY

Provide the following information regarding Proposer’s capacity for the provision of services.

1. Details of implementation plan and schedule.
2. Specify the location(s), including the complete physical address, where the work for these services will be performed, including work performed by subcontractors, if applicable.
4. Details of Proposer’s staffing resources, at the location that will provide services to the County as well as corporately; by discipline and the number of personnel within each discipline.
5. If Proposer’s staffing resources includes sub-consultants, submit the name of the firm(s) who will perform each discipline. Detail how subcontractors will be used and to what extent.
6. An organizational diagram clearly identifying key personnel as well as other staffing resources who are designated to provide services to the County and indicate their functional relationship to each other.
7. Describe Proposer’s plans, policies, and/or strategies in which County citizens would receive consideration for employment and county suppliers of goods and services would be utilized. Include your approach to providing periodic reporting to monitor success in this area. If available, provide examples of reports.
8. If proposer is teaming with other entities to provide the required goods and services, detail any prior similar work any two or more team members have jointly performed.
9. If a joint venture is proposed, provide an affidavit attesting to the formulation of the joint venture and provide proof of incorporation as a joint venture or a copy of the formal joint venture agreement between all joint venture parties, indicating their respective roles, responsibilities, and levels of participation in the project.
10. An explanation, in general terms, of Proposers’ financial capacity to perform the scope of services. If proposer is jointly filing a proposal with other entities, details must be provided to demonstrate financial capacity of each entity.
11. Provide a statement on company letterhead and signed by a company official authorizing a County auditor and/or financial analysts access to your financial records, including all records prepared by an independent firm, or the financial records of other entities for which you have ownership interest. Such access will occur at the primary location of the Proposer, or such other location as may be agreed, for the purposes of verifying financial representations, and/or to review and assess the historical and current financial capacity of Proposer’s business entity and its expected ability to meet ongoing financial obligations related to the required services, if awarded a contract. If an audit is conducted, the County’s audit and/or financial analysts will report their findings in a summary report to the Procurement Official, which will be placed in the proposal files for subsequent use, review, and discussions during evaluations.
12. Disclose any ownership interest in other entities proposed for services. This ownership disclosure includes ownership by the Proposer through a parent, subsidiary or holding company or any other form of business entity. Submit entity names and the percent of ownership for each.
13. Detail Proposer and any subcontractor’s current workloads and any projected changes to

the workload within the next six months.

14. Submit any additional information not previously requested which Proposer believes would assist County in the evaluation of Proposer's capacity to provide the required services.

H. TAB 9 – APPROACH

Provide Proposer's project approach to include the following:

1. A narrative of the project approach and an explanation of how this approach meets County objectives and requirements as specified in this RFP.
2. An explanation of Proposer's technical ability to perform all facets of the scope of services defined in Section B. If more than one proposer is jointly filing a proposal, details must be provided to clearly demonstrate individual roles and responsibility for all components of the project.
3. Details of implementation plan and schedule.
4. Detailed project schedule for managing the various on-going preventative maintenance tasks as well as other tasks identified in Section B, Scope of Services.
5. A narrative that clearly demonstrate Proposer's ability and willingness to meet response times and budget requirements.
6. Provide a narrative of the proposed approach and methodology for engaging with County representatives in-the-course of performing the duties.
7. The overall approach to delivering the Scope of Services and any strategies Proposer proposes to implement.
8. Proposer shall thoroughly explain:
 - a. Its accessibility in the areas of availability for meetings, general communications, coordination, and supervision
 - b. How the proposer physically plans on attending pre-scheduled meetings
 - c. How the proposer plans on ensuring accessibility and availability during the term of the Agreement
9. Proposer's Risk Management Plan that includes a list of risks related to the provision of services, the potential consequences or impact of each (e.g., cost, schedule, technical) and Proposer's proposed mitigation procedures for each item.
10. Describe Proposer's approach to the following:
 - a. Managing project status and providing report/updates to the County.
 - b. Design of the corrosion and odor control system.
 - c. Bidding process for obtaining equipment and supplies.
 - d. Construction phase for installation of required equipment.
 - e. Design phase process checklist.
 - f. On-going project management. Include a process flow diagram.
11. Describe the latest processes that your company is using, that are technically proven and the most cost effective means possible, for corrosion control.
12. Describe the latest processes that your company is using, that are technically proven and the most cost effective means possible, for odor control.
13. The County is deeply committed to respecting the environment. Include a detailed description of the Proposer's safety plan to control the environment of the work site during on site operations.
14. Provide sample reports of odor and corrosion control analyses performed by Proposers.
15. Provide a list, with written specifications for all products proposed to be used, including those to reduce hydrogen sulfide (H₂S), along with the chemical reaction formulas for

each product. Include supporting evidence that each meets the minimum specifications listed in Section B, Scope of Services.

16. Proposers are encouraged to propose the use of as many environmentally preferable, sustainable, 'green' products, materials and supplies to promote a safe and healthy environment. Submit a summary of Proposer's environmental sustainability initiatives and any products, materials or supplies that are proposed for the County's work that have documented evidence of reducing adverse effects on the environment.
17. Proposers are encouraged to propose the use of as many environmentally preferable, sustainable, 'green' products, materials and supplies to promote a safe and healthy environment. Submit a summary of Proposer's environmental sustainability initiatives and any products, materials or supplies that are proposed for the County's work that have documented evidence of reducing adverse effects on the environment.
18. Provide specifications for all storage tanks, fittings, mixing systems, chemical feed pumps, and additional material and/or equipment proposed for the County's services. Visual aids such as photos may be included with the equipment descriptions.
19. Describe the training to be provided to County staff to meet the requirements. Include details of how the training will be provided (e.g., on-site classroom, on-line with instructor, on-line self-paced). Provide examples of similar training plans utilized on other projects.
20. Submit any additional information not previously requested which Proposer believes would assist County in the evaluation of Proposer's approach to provide the required services.

[Remainder of page intentionally left blank]

I. TAB 10 – OPTION 1 FEES

Proposers may submit on Option 1, Option 2, or both Options. **If Proposer is submitting on Option 1, complete and submit this form with Proposer’s fees for Option 1 as shown below.**
Note: fees must be all inclusive. No other fees will be allowed.

OPTION 1: CALCIUM NITRATE

i. Provide Fees for the proposed chemicals as follows:

Description	Unit of Measure	Unit Cost
Chemical, Calcium Nitrate	Gallon	

ii. Based upon the lift station information provided in the RFP, including the Attachments, and the proposed services, include an estimated monthly cost for each chemical.

\$ _____ per month

iii. Provide Fees for the proposed services as follows:

Description	Unit of Measure	Unit Cost
Rental Fee for Storage and Dosing Equipment	Month	
Rental Fee for Vapour Phase Treatment (CaNO3 only)	Month	

Signature/Date

Printed Name/Title

Proposer

J. TAB 10 – OPTION 2 FEES

Proposers may submit on Option 1, Option 2, or both Options. **If Proposer is submitting on Option 2, complete and submit this form with Proposer’s fees for Option 2 as shown below.**
Note: fees must be all inclusive. No other fees will be allowed.

OPTION 2: MAGNESIUM HYDROXIDE

i. Provide Fees for the proposed chemicals as follows:

Description	Unit of Measure	Unit Cost
Chemical, Magnesium Hydroxide	Gallon	

ii. Based upon the lift station information provided in the RFP, including the Attachments, and the proposed services, include an estimated monthly cost for each chemical.

\$ _____ per month

iii. Provide Fees for the proposed services as follows:

Description	Unit of Measure	Unit Cost
Rental Fee for Storage and Dosing Equipment	Month	\$

Signature/Date

Printed Name/ Title

Proposer

END SECTION C

**SECTION D:
EVALUATION OF PROPOSALS**

D.01 EVALUATION FACTORS

Evaluation of proposals will be conducted by an evaluation committee. The evaluation committee's goal will be to identify the proposal(s) which will overall best meet the needs of the County as determined from the proposals received and subsequent investigation by County. The committee will consider the information requested in Section C for each responsive proposal submitted to ascertain the perceived ability of the proposer(s) to perform the scope of services as stated in this Request for Proposal. Once all proposals have been reviewed pursuant to the criterion in Section C, the evaluation committee will determine from the responses to this Request for Proposal and subsequent investigation as necessary, the proposer(s) most qualified to be selected to negotiate an agreement.

The following evaluation criteria have been established to determine which Proposal best meets the requirements and overall goals of the County and provides the best value to the County.

Criteria	Maximum Points
Proposer & Team's Experience	30
Capacity	20
Approach	25
Fee Proposal	20
Interviews/Presentations (if conducted)	5

D.02 REVIEW OF PROPOSERS AND PROPOSALS

In-person reviews may be conducted with proposers who are deemed reasonably susceptible of being received for award for the purposes of assuring full understanding of: (a) conformance to the solicitation requirements, (b) the abilities of the proposer, and (c) the proposal submitted.

Proposers will be available for presentations to and interviews with the evaluation committee, upon reasonable notification from the Procurement Division. The date(s) and time(s) of any such presentations/interviews will be determined solely by County and may be closed to the public by the discretion of the Purchasing Official and to the extent permitted by law. If presentations are not conducted, no score will be given to the evaluation criterion. Interviews are not open to the public.

D.03 PRELIMINARY RANKING

An evaluation committee will determine from the responses to this Request For Proposal, and subsequent investigation as necessary, the proposer(s) most qualified to be selected to negotiate an agreement.

In its review, the evaluation committee may take some or all of the following actions:

- a. Review all responses pursuant to the evaluation factors stated herein,
- b. Short list proposers to be further considered in oral interview/presentation/product demonstrations,

- c. Recommend commencement of negotiations to County Administrator,
- d. Reject all proposals received and cancel the Request for Proposal,
- e. Receive written clarification of proposal.

The evaluation committee's overarching goal is to identify the proposal which will best meet the overall needs of Manatee County as determined from the proposals received and subsequent investigation by County.

D.04 **RECOMMENDATION FOR NEGOTIATION**

The evaluation committee will make a recommendation to the County Administrator as to the proposer which Manatee County should enter into negotiations, if any. The County Administrator will act upon that recommendation and if accepted, the Successful Proposer will be invited to enter negotiations led by Manatee County Procurement Division.

Manatee County will post the Intent to Negotiate, in the same manner the original Request For Proposal document was posted (refer to Section A.03) prior to commencing negotiations with the selected proposer(s).

END SECTION D

SECTION E:
NEGOTIATION OF THE AGREEMENT

E.01 **GENERAL**

1. The proposal will serve as a basis for negotiating an agreement, but not compel adherence to its terms or conditions.
2. Upon submission, all proposals become the property of Manatee County which has the right to use any or all ideas presented in any proposal submitted in response to this Request for Proposal whether or not the proposal is accepted.
3. All products and papers produced in the course of this engagement become the property of Manatee County upon termination or completion of the engagement.
4. That after notice from County that a public records request has been made for the materials designated as a trade secret, the Proposer shall be solely responsible for defending its determination that submitted material is a trade secret that is not subject to disclosure at its sole cost, which action shall be taken immediately, but no later than 10 calendar days from the date of notification or Proposer will be deemed to have waived the trade secret designation of the materials;
5. To indemnify and hold County, and its officials, employees, agents and representatives harmless from any actions, damages (including attorney's fees and costs), or claims arising from or related to the designation of trade secrets by the Proposer, including actions or claims arising from County's non-disclosure of the trade secret materials.

E.02 **AGREEMENT**

The selected proposer(s) will be required to negotiate an agreement in a form and with provisions acceptable to Manatee County.

Negotiated agreements may or may not include all elements of this Request For Proposal or the resulting successful proposal where alternative terms or conditions become more desirable to Manatee County, and the parties agree to such terms.

E.03 **AWARD**

County may not make award to a proposer who is delinquent in payment of any taxes, fees, fines, contractual debts, judgments, or any other debts due and owed to County, or is in default on any contractual or regulatory obligation to County. By submitting this solicitation response, proposer attests that it is not delinquent in payment of any such debts due and owed to County, nor is it in default on any contractual or regulatory obligation to County. In the event the proposer's statement is discovered to be false, proposer will be subject to suspension and/or debarment and County may terminate any contract it has with proposer.

Award of an agreement is subject to the successful negotiations and the approval of either the Purchasing Official or the Board of County Commissioners (as provided for in the current Manatee County Procurement Code).

The parties will negotiate the terms and conditions of the agreement, which may or may not include renewal, assignment, termination, insurance, auditing or any other relevant contractual term and the circumstances in which it may be renewed, assigned or terminated.

END OF SECTION E

ATTACHMENT A

**PROPOSAL SIGNATURE FORM
REQUEST FOR PROPOSAL 18-R067464MS**

The undersigned acknowledges receipt of the following addendum:

Addendum No. _____ Date Received: _____ Initials: _____

Addendum No. _____ Date Received: _____ Initials: _____

Addendum No. _____ Date Received: _____ Initials: _____

The undersigned represents that:

- (1) by signing the proposal, that he/she has the authority and approval of the legal entity purporting to submit the proposal and any additional documentation which may be required such as the Joint Venture Agreement or Joint Venture Affidavit, if applicable;
- (2) all facts and responses set forth in the proposal are true and correct;
- (3) if the proposer is selected by County to negotiate an agreement, that the proposer's negotiators will negotiate in good faith to establish an agreement to provide the services described in the Scope of Services of this Request for Proposal;
- (4) the proposer which includes all companies included in a partnership or joint venture, is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

Print or type proposer's information below:

Name of Proposer

Telephone Number

Street Address

Email Address

Web Address

Print Name & Title of Authorized Officer

Signature of Authorized Officer Date

ATTACHMENT B

PUBLIC CONTRACTING AND ENVIRONMENTAL CRIMES CERTIFICATION

SWORN STATEMENT PURSUANT TO SECTION 2-26 ARTICLE V,
MANATEE COUNTY PROCUREMENT CODE

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

This sworn statement is submitted to Manatee County by _____.
[print individual's name and title]

For _____
[name of entity submitting sworn statement]

whose business address is: _____

and (if applicable) its Federal Employer Identification Number (FEIN) is _____. If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement:

I understand that no person or entity shall be awarded or receive a county contract for public improvements, procurement of goods or services (including professional services) or a county lease, franchise, concession or management agreement, or shall receive a grant of county monies unless such person or entity has submitted a written certification to County that it has not:

(1) been convicted of bribery or attempting to bribe a public officer or employee of Manatee County, the State of Florida, or any other public entity, including, but not limited to the Government of the United States, any state, or any local government authority in the United States, in that officer's or employee's official capacity; or

(2) been convicted of an agreement or collusion among proposers or prospective proposers in restraint of freedom of competition, by agreement to bid a fixed price, or otherwise; or

(3) been convicted of a violation of an environmental law that, in the sole opinion of the County's Purchasing Director, reflects negatively upon the ability of the person or entity to conduct business in a responsible manner; or

(4) made an admission of guilt of such conduct described in items (1), (2) or (3) above, which is a matter of record, but has not been prosecuted for such conduct, or has made an admission of guilt of such conduct, which is a matter of record, pursuant to formal prosecution. An admission of guilt shall be construed to include a plea of nolo contendere; or

(5) where an officer, official, agent or employee of a business entity has been convicted of or has admitted guilt to any of the crimes set forth above on behalf of such and entity and pursuant to the direction or authorization of an official thereof (including the person committing the offense, if he is an official of the business entity), the business shall be chargeable with the conduct herein above set forth. A business entity shall be chargeable with the conduct of an affiliated entity, whether wholly owned, partially owned, or one which has common ownership or a common Board of Directors.

For purposes of this Form, business entities are affiliated if, directly or indirectly, one business entity controls or has the power to control another business entity, or if an individual or group of individuals controls or has the power to control both entities. Indicia of control shall include, without limitation,

interlocking management or ownership, identity of interests amount family members, shared organization of a business entity following the ineligibility of a business entity under this Article, or using substantially the same management, ownership or principles as the ineligible entity.

Any person or entity who claims that this Article is inapplicable to him/her/it because a conviction or judgment has been reversed by a court of competent jurisdiction, shall prove the same with documentation satisfactory to Manatee County's Purchasing Official. Upon presentation of such satisfactory proof, the person or entity shall be allowed to contract with Manatee County.

I UNDERSTAND THAT ANY CONTRACT OR BUSINESS TRANSACTION SHALL PROVIDE FOR SUSPENSION OF PAYMENTS, OR TERMINATION, OR BOTH, IF THE PROCUREMENT DIVISION OR THE COUNTY ADMINISTRATOR DETERMINES THAT SUCH PERSON OR ENTITY HAS MADE FALSE CERTIFICATION.

[Signature]

STATE OF FLORIDA
COUNTY OF _____

Sworn to and subscribed before me this _____ day of _____, 201____ by_____.

Personally known _____ OR Produced identification _____
[Type of identification]

_____ My commission expires _____ Notary
Public Signature

[Print, type or stamp Commissioned name of Notary Public]

Signatory Requirement - In the case of a business entity other than a partnership or a corporation, this affidavit shall be executed by an authorized agent of the entity. In the case of a partnership, this affidavit shall be executed by the general partner(s). In the case of a corporation, this affidavit shall be executed by the corporate president.

ATTACHMENT C
PUMPING STATION LOCATIONS AND CAPACITY

ATTACHMENT D
ODOR & CORROSION CONTROL PROGRAM REPORT

ATTACHMENT E
SERVICE AREA SCHEMATICS



July 15, 2017

Mr. Nick Wagner
Utilities Superintendent
Lift Stations Division
5101 65th Street
Bradenton, Fl. 34210
E-mail: nick.wagner@mymanatee.org

Re: **Odor & Corrosion Control Program Report
June and July 2017**

Dear Nick:

Evoqua values your business and we thank you for the opportunity to assist Manatee County with addressing wastewater odor and corrosion issues. For your review, the following is our report which summarizes the program for the months of June and July 2017.

We analyze all odor and corrosion control points in your system once per month. Attached you will find complete data tables showing all data collected during the month. Any sites that were found to be out of compliance with your treatment goals have been hi-lighted on the data tables and are discussed here:

Control Point Evaluation – “Exception Report”

We have installed Vapor-Link Hydrogen Sulfide monitors in strategic locations of Manatee County. The following sites have been equipped with Vapor-Links, by area. North: NIH, TV4, CC6, and NIC. Southeast: Lakewood Ranch Master, Lakewood Ranch Re-pump, River Walk, Tara 20, Braden Woods, Manatee Palms, Green Brook 2, and 41A. Southwest: 9D, 5, EC1 and 1M. Please feel free to visit www.link2site.com and use your login credentials to access the data from these sites at any time.

North County Area:

North County WRF- On 6/23/17 the BTF had an outlet of 85 ppm. The blower belts had come out of adjustment and were replaced. Return trip showed unit acclimating.



Southeast County Area:

41A- On 7/28/17 the bio-filter had an outlet of 110 ppm. The site is under construction and loadings had been constantly changing due to flow changes. Unit was re-acclimating to loading changes.

Southwest County Area:

5- On 6/30/17 the bio-filter had an outlet of 3 ppm. A watering adjustment was made and the unit had acclimated on the return trip.

BYB- on 7/18/17 the bio-filter had an outlet of 25 ppm. There was a nutrient issue and a nutrient strength adjustment was made. The unit was acclimating on the return trip.

1M- on 6/27/17 the bio-filter had an outlet of 30 ppm. The nutrient pump lost prime and the unit was acclimating on the return trip.

1M- on 7/26/17 the bio-filter had an outlet of 3 ppm. A watering adjustment was made and the unit had acclimated on the return trip.

Thanks again for your business, Nick, and please let us know if there is any way that we can improve our service. If you have any questions or comments, please contact me at 941-928-0453.

Sincerely,

Vaughan Harshman

Evoqua Water Technologies LLC

cc: Ryan Hansen, Evoqua

Site Performance Report

06/01/2017 through 07/31/2017

MANATEE, COUNTY CLK CIR C

🏠 12 (RTU #65)		501 Magnolia Ave		Anna Maria, FL 34217		Latitude: 27.52999		Longitude: -82.73158	
Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments			
Chemical Tank	Bioxide Plus 71	06/30/2017	2:30 PM	19	2561				
Chemical Tank	Bioxide Plus 71	07/18/2017	2:20 PM	19	2561				
🔧 LS 5 SP (Feed Site: 🏠12 (RTU #65))		4300 Gulf Dr		Holmes Beach, FL 34217		Latitude: 27.49829		Longitude: -82.71214	
Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	Total Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/30/2017	3:40 PM	7.52	30.2	1.2	4	90	0	
Sample Point	07/18/2017	3:20 PM	7.47	31.3	1	4	75	0	
🏠 15D (RTU #218)		712 Palma Sola Blvd		Bradenton, FL 34209		Latitude: 27.49206		Longitude: -82.64279	
Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments			
Chemical Tank	Odophos	06/14/2017	9:30 AM	28	1680				
Chemical Tank	Odophos	07/26/2017	11:30 AM	23	500				
🔧 15D SP (Feed Site: 🏠15D (RTU #218))		1001 Palma Sola Blvd		Bradenton, FL 34209		Latitude: 27.49206		Longitude: -82.64279	
Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	Total Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/14/2017	9:45 AM	7.35	29.3	0	1.5	40	0	
Sample Point	07/26/2017	11:40 AM	7.30	31.7	1	1.5	40	0	
🏠 37A (RTU #302)		801 39th Ave W		Bradenton, FL 34205		Latitude: 27.465561		Longitude: -82.570467	
Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments			
Chemical Tank	Bioxide Plus 71	06/22/2017	11:25 AM	19	200				
Chemical Tank	Bioxide Plus 71	07/28/2017	3:05 PM	19	1730				
🔧 36A (Feed Site: 🏠37A (RTU #302))		1602 38th Ave W		Bradenton, FL 34205		Latitude:			
Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments	
Sample Point	06/22/2017	11:50 AM	7.17	30.8	1.2	52	2		
Sample Point	07/28/2017	3:25 PM	7.07	30.6	0.7	52	1.5		
🏠 40A (RTU #429)		3550 63rd Ave E		BRADENTON, FL 34203		Latitude: 27.42884		Longitude: -82.51904	
Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments			
Chemical Tank	Odophos	06/21/2017	3:20 PM	82	3450				
Chemical Tank	Odophos	07/27/2017	2:15 PM	82	3550				
🔧 40A (Feed Site: 🏠40A (RTU #429))		3550 63RD AVE. E		Bradenton, fl 34203		Latitude: 27.42884		Longitude: -82.51904	
Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	Total Sulfide (mg/L)	H2S in Air (ppm)	Comments	
Sample Point	06/21/2017	3:20 PM	6.77	30.1	0.5	1.5	2		
Sample Point	07/27/2017	2:15 PM	6.69	30.7	0.3	1	8		
🏠 41A (RTU #454)		6754 W Country Club Ln		Sarasota, FL 34243		Latitude: 27.419481		Longitude: -82.495889	
Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments			
Chemical Tank	Alk Aquit 25	06/12/2017	4:10 PM		1850				
🔧 41A WW (Feed Site: 🏠41A (RTU #454))		8341 W. Country Club Lane		Bradenton, FL 34243		Latitude:			
Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	Total Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/12/2017	4:10 PM	7.79	29.7	4.5	22	42	0	
🏠 42A (RTU#431)		1640 60th Avenue Dr E		Bradenton, FL 34203		Latitude: 27.433612		Longitude: -82.544647	
Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments			
Chemical Tank	Bioxide Plus 71	06/21/2017	11:50 AM	6	2000	System was not pumping upon arrival. Replaced poppets in pump 1 and part of suction line that was sucking air.			
Chemical Tank	Bioxide Plus 71	07/26/2017	1:50 PM	6	1825				

🏠 5 (RTU #71)		4300 Gulf Dr		Holmes Beach, FL 34217		Latitude: 27.49829 Longitude: -82.71214		
Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments		
Chemical Tank	Bioxide Plus 71	06/30/2017	3:30 PM	370	6113			
Chemical Tank	Bioxide Plus 71	07/18/2017	3:30 PM	400	2032			

🏠 6A - RTU136		201 Delmar Ave.		Sarasota, FL 34243		Latitude: 27.403536 Longitude: -82.571953		
Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments		
Chemical Tank	Bioxide Plus 71	06/21/2017	10:10 AM	26	1375			
Chemical Tank	Bioxide Plus 71	07/26/2017	12:10 PM	26	1550			

🔧 1A (Feed Site: 🏠6A - RTU136)		7300 SHEPARD ST.		BRADENTON, FL 34246		Latitude:		
Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/21/2017	10:40 AM	7.46	29.8	0	0	0	
Sample Point	07/26/2017	12:45 PM	7.31	31.4	0.5	0	0	

🏠 8D (RTU #225)		6702 9th Ave NW		Bradenton, FL 34209		Latitude: 27.50724 Longitude: -82.62832		
Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments		
Chemical Tank	Bioxide Plus 71	06/30/2017	7:45 AM	43	1200			
Chemical Tank	Bioxide Plus 71	07/26/2017	2:20 PM	43	1200			

🔧 9D SP (Feed Site: 🏠8D (RTU #225))		6504 5th Ave NW		Bradenton, FL 34209		Latitude: 27.50326 Longitude: -82.62728		
Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/30/2017	10:00 AM	7.70	31	5	130	2	
Sample Point	07/26/2017	3:00 PM	7.39	32.5	3	80	0	

🏠 9A (RTU #436)		1306 Rome Ave		Sarasota, FL 34243		Latitude: 27.40635 Longitude: -82.54834		
Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments		
Chemical Tank	Bioxide	06/21/2017	9:45 AM	11	1000			
Chemical Tank	Bioxide	07/26/2017	11:50 AM	11	1085			

🔧 14A (Feed Site: 🏠9A (RTU #436))		902 WHITFIELD AVE.		BRADENTON, FL		Latitude:		
Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/21/2017	11:00 AM	7.11	29.6	0.1	2	0	
Sample Point	07/26/2017	1:05 PM	7.24	31.2	0.3	7	0	

🏠 ARNOLD PALMER GREEN PS#2-RTU #626		7533 Arnold Palmer Green		Bradenton, FL 34202		Latitude: 27.40681 Longitude: -82.404076		
Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments		
Chemical Tank	Bioxide Plus 71	06/28/2017	11:05 AM	15	440			
Chemical Tank	Bioxide Plus 71	07/31/2017	8:35 AM	15	360			

🔧 ARNOLD PALMER GREEN 1 (Feed Site: 🏠ARNOLD PALMER GREEN PS#2-RTU #626)				Bradenton, FL		Latitude:		
Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/28/2017	11:25 AM	7.66	30.3	0	0	4	
Sample Point	07/31/2017	8:50 AM	7.61	30.3	1	2	1	

🏠 CC8 (COLONY COVE #8) (RTU #524)		7100 LAKESHORE Dr		ELLENTON, FL 34222		Latitude: 27.54723 Longitude: -82.4908		
Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments		
Chemical Tank	Bioxide Plus 71	06/07/2017	4:00 PM	32	1150			
Chemical Tank	Bioxide Plus 71	07/21/2017	3:10 PM	32	1550			

🔧 CC6 SP (Feed Site: 🏠CC8 (COLONY COVE #8) (RTU #524))		7498 N US 301		Ellenton, FL 34222		Latitude: 27.53834 Longitude: -82.48765		
Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/07/2017	2:45 PM	7.18	27.8	1.4	80	1	
Sample Point	07/24/2017	12:50 PM	7.21	31.1	1	90	1.5	

🔧 CC6 SP (Feed Site: 🏠CC8 (COLONY COVE #8) (RTU #524))		7498 N US 301		Ellenton, FL 34222		Latitude: 27.53834 Longitude: -82.48765		
Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/07/2017	2:45 PM	7.18	27.8	1.4	80	1	
Sample Point	07/24/2017	12:50 PM	7.21	31.1	1	90	1.5	

🏠 COMMERCE PK / 301 PARK OF COMMERCE (RTU #311)		2315 58th Ave E		Bradenton, FL 34203		Latitude: 27.438792 Longitude: -82.534182		
Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments		
Chemical Tank	Bioxide Plus 71	06/19/2017	4:25 PM	8	1250			
Chemical Tank	Bioxide Plus 71	07/26/2017	4:30 PM	8	1500			

📍 38A (Feed Site: 🏠COMMERCE PK / 301 PARK OF COMMERCE (RTU #311)) 5519 24 Street East Bradenton, FL Latitude:

Location Type	Date	Time	pH	Temperature (°C)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/19/2017	3:55 PM	7.26	27.6	8	1	
Sample Point	07/26/2017	5:10 PM	7.16	30.9	12	0	

🏠 FLAMINGO CAY (RTU #208) 10200 Manatee Ave W Bradenton, FL 34209 Latitude: 27.49574 Longitude: -82.66399

Equipment Type	Chemicals	Date	Time	Feed Rate ()	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/30/2017	1:15 PM		275	
Chemical Tank	Bioxide Plus 71	07/18/2017	4:15 PM		200	

🏠 GREENBROOK #2 (RTU #620) 13324 ADVENTURE PLACE BRADENTON, FL 34202 Latitude: 27.424525 Longitude: -82.409336

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/20/2017	9:35 AM	40	1085	
Chemical Tank	Bioxide Plus 71	07/27/2017	6:20 PM	40	1400	

📍 RI VERWALK SP (Feed Site: 🏠GREENBROOK #2 (RTU #620)) 7035 Honeysuckle Trl Lakewood Ranch, FL 34202 Latitude:

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/20/2017	11:40 AM	7.19	29.1	0.5	56	1	
Sample Point	07/27/2017	5:05 PM	7.22	30.7	0.7	26	1	

🏠 GREYHAWK LANDINGS #3 (RTU #637) 12407 Daisy Pl Bradenton, FL 34212 Latitude: 27.509094 Longitude: -82.419467

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/14/2017	3:25 PM	25	975	
Chemical Tank	Bioxide Plus 71	07/20/2017	4:10 PM	25	1325	

📍 GREYHAWK LANDINGS 1 (Feed Site: 🏠GREYHAWK LANDINGS #3 (RTU #637)) 1004 Brambling Ct Bradenton, FL 34212 Latitude:

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/14/2017	4:20 PM	7.19	28.4	0.7	28	0	
Sample Point	07/20/2017	4:35 PM	7.09	31.3	0.5	45	0	

🏠 JAIL / STOCKADE 14470 Harlee Rd Palmetto, FL 34221 Latitude: 27.64065 Longitude: -82.53679

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	PRI-SC Odophos	06/16/2017	1:45 PM	72	5000	
Chemical Tank	PRI-SC Odophos	07/25/2017	1:00 PM	72	5400	

📍 JAIL/STOCKADE (Feed Site: 🏠JAIL / STOCKADE) 1555 PAT GLASS PALMETTO, FL 34223 Latitude:

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	Total Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)
Sample Point	06/16/2017	1:45 PM	6.49	29.4	0	0	0	0
Sample Point	07/25/2017	1:00 PM	6.51	31.1	0	0	0	0

🏠 KAY RD (#10) (RTU #328) 800 Kay Rd NE Bradenton, FL 34212 Latitude: 27.504558 Longitude: -82.481492

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Odophos	06/15/2017	10:45 AM	36	275	
Chemical Tank	Odophos	07/19/2017	3:10 PM	36	530	

📍 Kay Road SP (Feed Site: 🏠KAY RD (#10) (RTU #328)) 900 Kay Road Bradenton, FL 34212 Latitude: 27.50471 Longitude: -82.48148

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	Total Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)
Sample Point	06/15/2017	10:45 AM	6.61	28.4	0.2	1	14	0
Sample Point	07/19/2017	3:10 PM	6.23	30.9	0.1	0.5	8	0

📍 Kay Road SP (Feed Site: 🏠KAY RD (#10) (RTU #328)) 900 Kay Road Bradenton, FL 34212 Latitude: 27.50471 Longitude: -82.48148

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	Total Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)
Sample Point	06/15/2017	10:45 AM	6.61	28.4	0.2	1	14	0
Sample Point	07/19/2017	3:10 PM	6.23	30.9	0.1	0.5	8	0

🏠 LAKEWOOD RANCH TWN CNTR 4 7540 TOWN CENTER PARKWAY BRADENTON, FL 34202 Latitude: 27.402965 Longitude: -82.449997

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/28/2017	12:00 PM	19	415	
Chemical Tank	Bioxide Plus 71	07/31/2017	9:15 AM	19	300	

LAKEWOOD RANCH TOWN CENTER 1 (Feed Site: LAKEWOOD RANCH TWN CNTR 4) 8070 NATURES WAY BRADENTON, FL Latitude:

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/28/2017	11:40 AM	8.01	31.8	0.5	10	10	
Sample Point	07/31/2017	9:05 AM	7.67	30.5	0	5	0	

LS #15 420 N BAY BLVD ANNA MARIA, FL 34216 Latitude: 27.535488 Longitude: -82.737235

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/02/2017	2:30 PM	44	550	Replaced Chemfeed
Chemical Tank	Bioxide Plus 71	07/18/2017	2:00 PM	44	1110	

LS 12 SP (Feed Site: LS #15) 501 Magnolia Ave Anna Maria, FL 34217 Latitude: 27.52999 Longitude: -82.73158

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	Comments
Sample Point	06/30/2017	2:45 PM	7.72	31.2	3	20	
Sample Point	07/18/2017	2:30 PM	7.36	31.1	1	5	

LWR REPUMP 8165 Lakewood Ranch Blvd Lakewood Ranch, FL 34202 Latitude: 27.39624 Longitude: -82.43812

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/20/2017	1:05 PM	45	1575	
Chemical Tank	Bioxide Plus 71	07/27/2017	4:20 PM	45	1750	

Lakewood Ranch Master SP (Feed Site: LWR REPUMP) 11600 Club House Dr Bradenton, FL 34202 Latitude: 27.4207 Longitude: -82.42625

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/20/2017	10:45 AM	7.14	28.6	3.0	40	0	
Sample Point	07/27/2017	5:40 PM	7.27	30.6	2.5	14	0	

MANATEE WOODS (SERENDIPITY) (RTU #319) 358 34th Avenue Dr E Bradenton, FL 34208 Latitude: 27.46986 Longitude: -82.560949

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/22/2017	10:50 AM	35	1400	
Chemical Tank	Bioxide Plus 71	07/28/2017	2:50 PM	35	1225	

MEMPHIS RD (RTU #534) 1723 Memphis Rd Palmetto, FL 34221 Latitude: 27.528355 Longitude: -82.546322

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/12/2017	10:50 AM	13	2825	
Chemical Tank	Bioxide Plus 71	07/24/2017	2:40 PM	13	3850	

Memphis Road SP (Feed Site: MEMPHIS RD (RTU #534)) 1721 17th St. E Palmetto, FL 34221 Latitude: 27.52823 Longitude: -82.54642

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	Comments
Sample Point	06/12/2017	10:50 AM	7.63	28.9	1.2	36	
Sample Point	07/24/2017	2:40 PM	7.29	31.4	0.5	60	

MILL CREEK 2 (RTU #358) 13407 2nd Ave NE Bradenton, FL 34212 Latitude: 27.50793 Longitude: -82.40883

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/14/2017	2:40 PM	9	400	
Chemical Tank	Bioxide Plus 71	07/20/2017	3:20 PM	9	495	

MILL CREEK 1 (Feed Site: MILL CREEK 2 (RTU #358)) 711 131st St E Bradenton, FL 34212 Latitude:

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/14/2017	3:00 PM	7.19	29.1	0.8	4	0	
Sample Point	07/20/2017	3:50 PM	7.07	31.2	0.4	1	2	

MILL CREEK 4 (RTU #374) 811 137th St NE Bradenton, FL 34212 Latitude: 27.5124 Longitude: -82.40547

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/14/2017	12:50 PM	11	490	
Chemical Tank	Bioxide Plus 71	07/20/2017	2:45 PM	11	450	

N1H (RTU #513) 11220 US 41 N PALMETTO, FL 34221 Latitude: 27.61559 Longitude: -82.53891

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	PRI-SC Hydrogen Peroxide 50%	06/16/2017	12:00 PM	0	2400	
Chemical Tank	PRI-SC Hydrogen Peroxide 50%	07/25/2017	11:25 AM	0	2600	

N1H SP (Feed Site: N1H (RTU #513)) 11220 US 41 N Palmetto, FL 34221 Latitude: 27.61559 Longitude: -82.53891

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	Total Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)
Sample Point	06/16/2017	12:00 PM	6.89	29.2	0	0	1	0

Sample Point	07/25/2017	11:25 AM	6.96	30.7	0	0	4	0
--------------	------------	----------	------	------	---	---	---	---

🏠 N2B (RTU #548) 326 47th St W Palmetto, FL 34221 Latitude: 27.55612 Longitude: -82.56616

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide	06/16/2017	4:00 PM	46	2450	
Chemical Tank	Bioxide	07/25/2017	3:10 PM	46	2975	

🏠 N4B (RTU #550) 1211 72nd St E Palmetto, FL 34221 Latitude: 27.57835 Longitude: -82.55187

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/16/2017	3:05 PM	25	3275	
Chemical Tank	Bioxide Plus 71	07/25/2017	2:15 PM	25	3800	System was not pumping upon arrival. Replaced bellows assembly.

🏠 N7A (RTU #554) 2889 16th Ave E Palmetto, FL 34221 Latitude: 27.53954 Longitude: -82.54848

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide	06/12/2017	12:35 PM	15	3675	
Chemical Tank	Bioxide	07/21/2017	1:40 PM	15	2725	

🏠 OAKLEAF 2 PS 4922 72nd Ter E Ellenton, FL 34222 Latitude: 27.558328 Longitude: -82.490419

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/07/2017	4:30 PM	11	445	
Chemical Tank	Bioxide Plus 71	07/21/2017	3:50 PM	11	550	

🔧 THOUSAND OAKS PS (Feed Site: 🏠OAKLEAF 2 PS) 8001 55th St E Palmetto, FL 34221 Latitude: 27.56317 Longitude: 82.48381

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	Total Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/07/2017	5:00 PM	7.52	28.9	0.2	0.5	0	2	
Sample Point	07/21/2017	4:25 PM	7.36	29.9	0.1	0	0	1	

🏠 PARC IMPERIAL LS 6150 Bobby Jones Ct Palmetto, FL 34221 Latitude: 27.597714 Longitude: -82.499415

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/08/2017	4:45 PM	4	400	
Chemical Tank	Bioxide Plus 71	07/21/2017	9:50 AM	4	800	

🔧 FAIRWAY IMPERIAL LS (Feed Site: 🏠PARC IMPERIAL LS) 6365 Bobby Jones Ct Palmetto, FL 34221 Latitude:

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/08/2017	5:15 PM	7.21	29.8	1.5	4	0	
Sample Point	07/21/2017	11:30 AM	7.28	30.1	1.7	47	0	System was not pumping upon arrival. Replaced bellows assembly.

🏠 PERICO ISLAND (RTU #207) 10662 MANATEE AVE. W BRADENTON, FL 34209 Latitude: 27.49641 Longitude: -82.67064

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/30/2017	1:30 PM		280	
Chemical Tank	Bioxide Plus 71	07/18/2017	3:55 PM		260	

🏠 PET MILK (RTU #470) 5385 33rd St E Bradenton, FL 34203 Latitude: 27.445359 Longitude: -82.521987

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Odophos	06/21/2017	2:40 PM	68	125	
Chemical Tank	Odophos	07/27/2017	1:50 PM	68	510	

🔧 Pet Milk (Feed Site: 🏠PET MILK (RTU #470)) 5340 33rd St E Bradenton, FL 34203 Latitude: 27.4453 Longitude: -82.52234

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	Total Sulfide (mg/L)	H2S in Air (ppm)	Comments
Sample Point	06/21/2017	2:40 PM	6.81	29.9	0.5	1.5	10	
Sample Point	07/27/2017	1:50 PM	6.77	31	0.2	1	27	

🏠 RIVER WOODS / RW2 (RTU #569) 11547 30th Cv E Parrish, FL 34219 Latitude: 27.54833 Longitude: -82.4365

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide	06/08/2017	9:25 AM	21	600	
Chemical Tank	Bioxide	07/24/2017	10:45 AM	21	525	

📍 RW1 LS (Feed Site: 🏠RIVER WOODS / RW2 (RTU #569)) 3202 Riverwoods Drive PARRISH, FL 34219 Latitude:

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/08/2017	9:50 AM	7.79	29.1	0	0	25	
Sample Point	07/24/2017	11:05 AM	7.59	30.6	0	0	10	

🏠 RIVERDALE 1 PS 412 43rd St. Blvd. E Bradenton, FL 34208 Latitude: 27.49972 Longitude: -82.50895

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/08/2017	3:05 PM	38	2100	
Chemical Tank	Bioxide Plus 71	07/19/2017	1:15 PM	38	2025	

📍 Manatee Palms SP (Feed Site: 🏠RIVERDALE 1 PS) 115 Kay Road Bradenton, FL 34208 Latitude: 27.49678 Longitude: -82.48125

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	Total Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)
Sample Point	06/15/2017	11:30 AM	7.20	30.9	0	0.5	55	2
Sample Point	07/31/2017	1:05 PM	6.91	28.2	0.2	1	36	0

📍 Manatee Palms SP (Feed Site: 🏠RIVERDALE 1 PS) 115 Kay Road Bradenton, FL 34208 Latitude: 27.49678 Longitude: -82.48125

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	Total Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)
Sample Point	06/15/2017	11:30 AM	7.20	30.9	0	0.5	55	2
Sample Point	07/31/2017	1:05 PM	6.91	28.2	0.2	1	36	0

🏠 RW4 (RIVER WILDERNESS #4) (RTU #532) 11721 OLD TAMPA RD. PARRISH, FL 34219 Latitude: 27.54833 Longitude: -82.4365

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide	06/08/2017	8:20 AM	49	5300	
Chemical Tank	Bioxide	07/24/2017	10:00 AM	49	5400	

📍 N1C SP (Feed Site: 🏠RW4 (RIVER WILDERNESS #4) (RTU #532)) 3800 Erie Road Parrish, FL 34219 Latitude: 27.54721 Longitude: -82.4776

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/08/2017	10:30 AM	7.20	29	4.5	170	2	
Sample Point	07/24/2017	11:30 AM	7.09	30.8	4.0	265	1	

🏠 SABAL HARBOR 1 4506 Sabal Key Dr Bradenton, FL 34203 Latitude: 27.45208 Longitude: -82.50532

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/19/2017	1:55 PM	11	1350	
Chemical Tank	Bioxide Plus 71	07/27/2017	12:55 PM	11	1650	

📍 SR 70 (Feed Site: 🏠SABAL HARBOR 1) 5236 45th St E Bradenton, FL 34203 Latitude:

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	Comments
Sample Point	06/19/2017	2:40 PM	7.40	27.7	0.2	8	
Sample Point	07/27/2017	1:30 PM	7.06	30.8	0.2	1	

🏠 SABAL HARBOR 2 4524 Useppa Dr Bradenton, FL 34203 Latitude: 27.458252 Longitude: -82.500824

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/19/2017	2:15 PM	9	1675	
Chemical Tank	Bioxide Plus 71	07/27/2017	1:10 PM	9	1625	

🏠 SAMOSET 1 (RTU #308) 1801 34TH AVE. E. BRADENTON, FL 34208 Latitude: 27.46963 Longitude: -82.54235

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/20/2017	5:30 PM	72	1875	
Chemical Tank	Bioxide Plus 71	07/28/2017	12:50 PM	72	2250	

📍 Samoset 1 SP (Feed Site: 🏠SAMOSET 1 (RTU #308)) 1801 34th Ave. E Bradenton, FL 34208 Latitude: 27.46963 Longitude: -82.54235

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	Comments
Sample Point	06/20/2017	5:30 PM	7.09	28.7	0.2	18	
Sample Point	07/28/2017	12:50 PM	7.17	30.2	0.2	8	

🏠 SAMOSET 4 1967 15th St. E. Bradenton, FL 34208 Latitude: 27.48183 Longitude: -82.5463

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide	06/20/2017	4:15 PM	19	2050	
Chemical Tank	Bioxide	07/28/2017	2:30 PM	19	2800	

📍 Samoset 5 SP (Feed Site: 🏠SAMOSET 4) 2106 26th Ave E Bradenton, FL 34208-7754 Latitude: 27.47672 Longitude: -82.53815

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
---------------	------	------	----	------------------	--------------------------	------------------	------------	----------

Sample Point	06/20/2017	4:40 PM	7.19	28.9	1.5	18	0	
Sample Point	07/28/2017	1:45 PM	7.24	30.9	1.3	52	0	

📍 Samoset 5 SP (Feed Site: 🏠SAMOSET 4) 2106 26th Ave E Bradenton, FL 34208-7754 Latitude: 27.47672 Longitude: -82.53815

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/20/2017	4:40 PM	7.19	28.9	1.5	18	0	
Sample Point	07/28/2017	1:45 PM	7.24	30.9	1.3	52	0	

🏠 SONOMA 5331 Napa Dr Sarasota, FL 34243 Latitude: 27.392919 Longitude: -82.493457

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/28/2017	1:45 PM	23	755	
Chemical Tank	Bioxide Plus 71	07/31/2017	1:45 PM	23	950	

📍 ITHACA mh (Feed Site: 🏠SONOMA) 5108 Ithaca Ln Sarasota, FL 34243-2960 Latitude:

Location Type	Date	Time	Comments				
Sample Point	06/28/2017	2:00 PM	Not enough flow to take liquid sample				
Sample Point	07/31/2017	2:00 PM	7.72	28.6	0	2	0

🏠 TARA 20 5610 Manor Hill Ln Bradenton, FL 34203 Latitude: 27.44054 Longitude: -82.4675

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Alk Aquit 25	06/19/2017	9:00 AM	280	2500	
Chemical Tank	Alk Aquit 25	07/27/2017	9:30 AM	280	1690	

📍 Tara 20 WW (Feed Site: 🏠TARA 20) 6901 Stone River Rd Bradenton, FL 34203-7822 Latitude:

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	Total Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)
Sample Point	06/19/2017	9:00 AM	8.66	28.1	5.5	25	125	0

🏠 TARA 351 / TARA #4 (RTU #351) 6311 Stone River Rd Bradenton, FL 34203 Latitude: 27.43635 Longitude: -82.480916

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/19/2017	11:45 AM	18	550	
Chemical Tank	Bioxide Plus 71	07/27/2017	11:10 AM	18	950	

🏠 TARA 354 / TARA #5 (RTU #354) 6514 Turners Gap Rd Bradenton, FL 34203 Latitude: 27.433042 Longitude: -82.477382

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/19/2017	11:20 AM	15	1050	
Chemical Tank	Bioxide Plus 71	07/27/2017	10:50 AM	15	1250	

📍 TARA 2 (Feed Site: 🏠TARA 354 / TARA #5 (RTU #354)) 6901 Stone River Rd Bradenton, FL 34203-7822 Latitude:

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/19/2017	12:40 PM	7.22	28.2	0.1	0	4	
Sample Point	07/27/2017	11:25 AM	7.21	31	0	0	10	

📍 TARA 1 (Feed Site: 🏠TARA 354 / TARA #5 (RTU #354)) 6501 Stone River Rd Bradenton, FL 34203-7878 Latitude:

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/19/2017	12:55 PM	7.11	28.1	0.0	0	5	
Sample Point	07/27/2017	11:40 AM	7.19	30.8	0	0	8	

🏠 THE LOOP PS 9312 17th Ave NW Bradenton, FL 34209 Latitude: 27.51453 Longitude: -82.6557

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/30/2017	12:20 PM	11	400	
Chemical Tank	Bioxide Plus 71	07/26/2017	12:50 PM	11	880	

📍 LS 12D WW (Feed Site: 🏠THE LOOP PS) 7830 DESOTO MEMORIAL HWY. BRADENTON, FL 34209 Latitude:

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/30/2017	11:45 AM	7.49	30.2	7	12	0	
Sample Point	07/26/2017	2:05 PM	7.50	32.4	1	70	0	

🏠 WATERFORD LS 7810 Middlesex Dr Palmetto, FL 34221 Latitude: 27.58441 Longitude: -82.51071

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/08/2017	5:30 PM	8		
Chemical Tank	Bioxide Plus 71	07/21/2017	1:00 PM	8		

🏠 WILDEWOOD SPRINGS 2 LS 3985 OAKVIEW DRIVE BRADENTON, FL 34210 Latitude: 27.45358 Longitude: -82.59985

📍 30A (Feed Site: 🏠 WILDEWOOD SPRINGS 2 LS) CORNER OF 47TH AVE AND 30TH ST. W BRADENTON, FL 37777 Latitude:

Location Type	Date	Time	pH	Temperature (°C)	Dissolved Sulfide (mg/L)	H2S in Air (ppm)	NO3 (mg/L)	Comments
Sample Point	06/22/2017	1:25 PM	7.19	30.2	0.8	14	0	
Sample Point	07/28/2017	4:50 PM	7.21	30.9	0.5	12	0	

🏠 RIVER CLUB #5 (RTU #364) (Temporary Down) 7241 River Club Blvd Bradenton, FL 34202 Latitude: 27.40652 Longitude: -82.43831

Equipment Type	Chemicals	Date	Time	Feed Rate (GPD)	Tank Level (Gallons)	Comments
Chemical Tank	Bioxide Plus 71	06/20/2017	2:00 PM	15	775	

📍 39A 5511 39th St E Bradenton, FL 34203-6513 Latitude: 27.44246 Longitude: -82.51277

📍 N4B SP 1211 72nd St E Palmetto, FL 34221 Latitude: Longitude:

🏠 12A (RTU #139) 2007 69th Ave W Bradenton, FL 34207 Latitude: 27.4188 Longitude: -82.58216

Equipment Type	Equipment ID	Date	Time	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	Asset 110084	06/22/2017	3:15 PM	2.47	8	800	6	157	80	0	100
Comments:											
Biofilter	Asset 110084	07/31/2017	5:15 PM	2.09	8	800	6	157	0	0	100
Comments:											

🏠 13A (RTU #408) 112 63RD AVE. E. BRADENTON, FL 34203 Latitude: 27.42923 Longitude: -82.5628

Equipment Type	Equipment ID	Date	Time	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	117726	06/30/2017	5:15 PM	1.91	5	750	8	262	150	0	100
Comments:											
Biofilter	117726	07/31/2017	6:20 PM	2.20	5	750	8	262	50	0	100
Comments:											

🏠 1D (RTU #237) 1806 51st St W Bradenton, FL 34209 Latitude: 27.48314 Longitude: -82.61233

🏠 1M 7511 Cortez Rd W Bradenton, FL 34210 Latitude: 27.46183 Longitude: -82.65142

Equipment Type	Equipment ID	Date	Time	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	000	06/27/2017	9:35 AM	1.71	0	1850	6	363	250	30	88
Comments: Nutrient pump lost prime.											
Biofilter	000	07/26/2017	9:20 AM	1.85	6	1500	6	295	100	3	97
Comments: Made timer adjustment. Replaced water filter											

🏠 27A (RTU #138) 2484 53RD AVE. W BRADENTON, FL 34207 Latitude: 27.44739 Longitude: -82.58609

Equipment Type	Equipment ID	Date	Time	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	000	06/23/2017	2:20 PM	2.31	5	1050	6	206	170	0	100
Comments:											
Biofilter	000	07/28/2017	5:30 PM	2.07	2	1100	6	216	140	0	100
Comments:											

🏠 30AA (RTU #248) 4602 34TH ST. W. BRADENTON, FL 34210 Latitude: 27.45841 Longitude: -82.59583

Equipment Type	Equipment ID	Date	Time	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	119631	06/22/2017	12:55 PM	2.52	9	1000	6	196	18	0	100
Comments:											
Biofilter	119631	07/28/2017	4:20 PM	2.06	5	950	6	187	24	0	100
Comments:											

🏠 30EE 3831 11th St E Bradenton, FL 34208 Latitude: 27.46555 Longitude: -82.55203

Equipment Type	Equipment ID	Date	Time	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	Asset 110234	06/20/2017	6:45 PM	4.69	15	1100	6	216	1	0	100
Comments:											
Biofilter	Asset 110234	07/28/2017	12:15 PM	4.29	10	1250	6	245	1	0	100
Comments:											

🏠 31A (RTU #126) 1710 47th Avenue Dr W Bradenton, FL 34207 Latitude: 27.45702 Longitude: -82.57913

Equipment Type	Equipment ID	Date	Time	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	?	06/22/2017	1:45 PM	2.37	3	1550	4	135	60	0	100
Comments:											
Biofilter	?	07/28/2017	5:00 PM	2.26	4	1600	4	140	24	0	100
Comments:											

🏠 39A (RTU #428) 5511 39th St E Bradenton, FL 34203-6513 Latitude: 27.44246 Longitude: -82.51277

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (Inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	XXXXXXX	06/21/2017	4:05 PM	20	2.31	1	2600	6	511	210	0	100
Comments:												
Biofilter	XXXXXXX	07/27/2017	2:40 PM	20	2.06	1	2000	6	393	310	0	100
Comments:												

🏠 41A (RTU #454) 6754 W Country Club Ln Sarasota, FL 34243 Latitude: 27.419481 Longitude: -82.495889

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	12345678	06/12/2017	4:10 PM	110	2.23	10	2000	6	393	42	0	100
Comments:												
Biofilter	12345678	07/28/2017	9:40 AM	80	2.02	5	2000	6	393	120	110	8
Comments: H2S out high, construction going on at site. System vitals good so no change was made. Site must be adjusting to loadings change.												

🏠 5 (RTU #71) 4300 Gulf Dr Holmes Beach, FL 34217 Latitude: 27.49829 Longitude: -82.71214

Equipment Type	Equipment ID	Date	Time	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	110844	06/30/2017	3:15 PM	2.49	5	1300	6	255	90	3	97
Comments: Made timer adjustment											
Biofilter	110844	07/18/2017	3:40 PM	2.18	5	1350	6	265	75	0	100
Comments:											

🏠 7 (RTU #62) 6900 Holmes Blvd Holmes Beach, FL 34217 Latitude: 27.51483 Longitude: -82.72151

Equipment Type	Equipment ID	Date	Time	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	Asset 110204	06/30/2017	2:00 PM	2.09	10	450	6	88	20	0	100
Comments:											
Biofilter	Asset 110204	07/18/2017	2:45 PM	2.10	8	550	6	108	15	0	100
Comments:											

🏠 9D (RTU #226) 6504 5TH AVE NW BRADENTON, FL 34209 Latitude: 27.50326 Longitude: -82.62728

Equipment Type	Equipment ID	Date	Time	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	Asset 110145	06/30/2017	9:30 AM	0	0	1020	6	200	0	0	100
Comments: Blower was off upon arrival. Water in blower housing due to clogged drain.											
Biofilter	Asset 110145	07/26/2017	2:35 PM	2.25	7	1020	6	200	80	0	100

Comments:

🏠 ARVIDA #16 (RTU #483) 6926 Langley Pl University Park, FL 34201 Latitude: 27.39235 Longitude: -82.47173

Equipment Type	Equipment ID	Date	Time	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	XXXXXXXXXX	06/28/2017	12:25 PM	2.25	5	750	6	147	1	0	100
Comments:											
Biofilter	XXXXXXXXXX	07/31/2017	12:30 PM	2.30	5	750	6	147	5	0	100
Comments:											

🏠 BRADEN RIVER HIGH SCHOOL 5260 60th St E Bradenton, FL 34203 Latitude: 27.44941 Longitude: -82.48454

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	42314001	06/19/2017	1:15 PM	20	2.07	5	2000	6	393	94	0	100
Comments:												
Biofilter	42314001	07/27/2017	11:55 AM	20	2.11	4	1900	6	373	8	0	100
Comments:												

🏠 BRADEN WOODS #18 (RTU #326) 6555 99th St E Bradenton, FL 34202 Latitude: 27.42146 Longitude: -82.44329

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	XXXXXXXXXXXXXX	06/20/2017	2:20 PM	20	2.67	8	600	6	118	40	0	100
Comments:												
Biofilter	XXXXXXXXXXXXXX	07/11/2017	3:40 PM	17	2.11	8	600	6	118	90	0	100
Comments:												

🏠 BYB (BAYSHORE Y.B.) (RTU #101) 6800 26th St W Bradenton, FL 34207 Latitude: 27.4208 Longitude: -82.58535

Equipment Type	Equipment ID	Date	Time	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	Asset 110154	06/06/2017	9:00 AM	2.10	5	1250	6	245	140	0	100
Comments: Replaced nutrient pump											
Biofilter	Asset 110154	07/18/2017	12:50 PM	1.93	0	1300	6	255	120	25	79
Comments:											

🏠 CC6 7498 N. US-301 ELLENTON, FL 34222 Latitude: 27.53834 Longitude: -82.48765

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	na	06/07/2017	2:45 PM	20	2.24	10	1900	6	373	80	0	100
Comments:												
Biofilter	na	07/24/2017	12:50 PM	20	2.11	4	1800	6	353	90	0	100
Comments:												

🏠 EC1 (EL CONQ. #1) (RTU #104) 3790 El Conquistador Pkwy Bradenton, FL 34210 Latitude: 27.42913 Longitude: -82.60212

Equipment Type	Equipment ID	Date	Time	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	Asset 110214	06/30/2017	4:30 PM	2.20	10	800	6	157	20	0	100
Comments:											
Biofilter	Asset 110214	07/18/2017	11:00 AM	1.96	5	850	6	167	10	0	100
Comments:											

🏠 GARDEN LAKES (RTU #475) 5407 37TH ST. E. BRADENTON, FL 34203 Latitude: 27.44528 Longitude: -82.51515

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)

Biofilter	142677	06/19/2017	3:05 PM	20	2.26	1	650	6	128	20	0	100
Comments:												
Biofilter	142677	07/27/2017	3:05 PM	20	2.07	7	600	6	118	30	0	100
Comments:												

🏠 GREENBROOK #2 (RTU #620) 13324 ADVENTURE PLACE BRADENTON, FL 34202 Latitude: 27.424525 Longitude: -82.409336

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	XXXXXXXXXX	06/20/2017	9:35 AM	55	2.22	10	800	6	157	53	0	100
Comments:												
Biofilter	XXXXXXXXXX	07/27/2017	6:20 PM	30	2.19	8	800	6	157	170	0	100
Comments:												

🏠 HERITAGE HARBOR 7165 MONTAUK POINT CROSSING BRADENTON, FL 34212 Latitude: 27.501024 Longitude: -82.467108

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	Unit 1	06/13/2017	10:45 AM	20	2.17	1	2500	6	491	92	0	100
Comments:												
Biofilter	Unit 1	07/31/2017	12:45 PM	20	1.67	10	0	6	0	0	0	100
Comments: Blower motor needs to be replaced.												

🏠 LAKEWOOD RANCH MASTER (RTU #362) 11600 CLUB HOUSE DR. BRADENTON, FL 34202 Latitude: 27.4207 Longitude: -82.42625

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	42315002	06/20/2017	10:45 AM	20	2.24	5	1600	8	559	40	0	100
Comments:												
Biofilter	42315002	07/27/2017	5:40 PM	20	2.11	5	1500	8	524	14	0	100
Comments:												

🏠 LAKEWOOD RANCH RIVERWALK PS 7035 Honeysuckle Trl Lakewood Ranch, FL 34202 Latitude: 27.41646 Longitude: -82.42052

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	42594001	06/20/2017	11:40 AM	20	2.07	6	2000	6	393	56	0	100
Comments:												
Biofilter	42594001	07/27/2017	5:05 PM	20	2.09	5	2000	6	393	26	0	100
Comments:												

🏠 LEGACY 10 7955 LEGACY BLVD. LAKEWOOD RANCH, FL 34202 Latitude: 27.39663 Longitude: -82.41288

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	XXXXXXXXXXXXXX	06/28/2017	9:30 AM	20	2.30	5	990	4	86	8	0	100
Comments:												
Biofilter	XXXXXXXXXXXXXX	07/31/2017	7:45 AM	40	2.13	5	990	4	86	8	0	100
Comments:												

🏠 LWR REPUMP 8165 Lakewood Ranch Blvd Lakewood Ranch, FL 34202 Latitude: 27.39624 Longitude: -82.43812

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	42374001	06/20/2017	1:05 PM	20	2.34	7	1200	6	236	120	0	100
Comments:												
Biofilter	42374001	07/27/2017	4:20 PM	20	2.14	7	1200	6	236	56	0	100
Comments:												

🏠 MANATEE PALMS 1 (RTU #313) 115 KAY ROAD BRADENTON, FL 34208 Latitude: 27.49678 Longitude: -82.48125

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	000	06/15/2017	11:30 AM	20	2.18	2	1100	6	216	55	0	100
Comments:												
Biofilter	000	07/31/2017	1:05 PM	17	1.96	5	1100	6	216	38	0	100
Comments:												

MEMPHIS RD (RTU #534) 1723 Memphis Rd Palmetto, FL 34221 Latitude: 27.528355 Longitude: -82.546322

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	na	06/12/2017	10:50 AM	20	2.34	3	1550	8	541	36	0	100
Comments:												
Biofilter	na	07/24/2017	2:40 PM	20	1.57	7	1500	8	524	60	0	100
Comments: Blower was not running upon arrival. Freed up shaft and greased good. Came back a few days later and was still running ok.												

MISSIONARY VILLAGE 117TH STREET EAST BRADENTON, FL 34212 Latitude: 27.4854 Longitude: -82.42542

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	000	06/15/2017	1:15 PM	20	2.37	1.5	1300	6	255	145	0	100
Comments:												
Biofilter	000	07/31/2017	10:00 AM	15	1.96	2	1300	6	255	160	0	100
Comments:												

N1B (RTU #549) 2887 69TH ST. E. PALMETTO, FL 34221 Latitude: 27.57563 Longitude: -82.53565

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	2006797	06/16/2017	11:25 AM	20	2.40	2	1500	8	524	64	0	100
Comments:												

N1C (RTU #546) 3800 ERIE ROAD PARRISH, FL 34219 Latitude: 27.54721 Longitude: -82.4776

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	XXXXXXXXXX	06/08/2017	10:30 AM	50	2.62	7	1000	16	1396	170	0	100
Comments:												
Biofilter	XXXXXXXXXX	07/24/2017	11:30 AM	50	2.23	3	1050	16	1466	265	0	100
Comments:												

N1H (RTU #513) 11220 US 41 N PALMETTO, FL 34221 Latitude: 27.61559 Longitude: -82.53891

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	XXXXXXXXXX	06/16/2017	12:00 PM	20	2.37	15	2700	6	530	1	0	100
Comments:												
Biofilter	XXXXXXXXXX	07/25/2017	11:25 AM	20	2.09	4	2600	6	511	4	0	100
Comments:												

N2B (RTU #548) 326 47th St W Palmetto, FL 34221 Latitude: 27.55612 Longitude: -82.56616

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	XXXXXXXXXX	06/16/2017	4:00 PM	20	2.06	20	1600	6	314	50	0	100
Comments:												
Biofilter	XXXXXXXXXX	07/25/2017	3:10 PM	20	2.09	10	1600	6	314	8	0	0
Comments:												

N4B (RTU #550) 1211 72nd St E Palmetto, FL 34221 Latitude: 27.57835 Longitude: -82.55187

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	XXXXXXXXXX	06/16/2017	3:05 PM	20	2.87	10	2000	4	175	22	0	100
Comments:												
Biofilter	XXXXXXXXXX	07/25/2017	2:15 PM	12	2.11	10	1900	4	166	54	0	100
Comments:												

🏠 N5B (RTU #552) 8818 Bayshore Rd Palmetto, FL 34221 Latitude: 27.59335 Longitude: -82.54325

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	XXXXXXX	06/16/2017	2:30 PM	20	2.74	25	2500	4	218	9	0	100
Comments:												
Biofilter	XXXXXXX	07/25/2017	1:40 PM	15	2.24	10	2500	4	218	4	0	0
Comments:												

🏠 N6B (RTU #553) 755 33RD STREET W PALMETTO, FL 34221 Latitude: 27.54322 Longitude: -82.57268

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	XXXXXXXXXX	06/16/2017	4:40 PM	20	3.08	7	2100	4	183	6	0	100
Comments:												
Biofilter	XXXXXXXXXX	07/25/2017	3:50 PM	15	2.28	6	2000	4	175	12	0	100
Comments:												

🏠 NORTH COUNTY WRF 8500 69th St E Palmetto, FL 34221-9064 Latitude: 27.58477 Longitude: -82.47491

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	4500146320	06/23/2017	10:10 AM	120	5.69	10	2800	12	2199	145	85	41
Comments: Replaced belts, H2S out high as system will need to re-acclimation time.												
Biofilter	4500146320	07/31/2017	9:10 AM	100	1.82	5	2700	12	2121	185	0	100
Comments:												

🏠 POPE ROAD 12405 44TH AVE. E. BRADENTON, FL 34202 Latitude: 27.46174 Longitude: -82.41854

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	8020	06/15/2017	4:45 PM	40	2.52	15	1300	16	1815	80	0	100
Comments:												
Biofilter	8020	07/31/2017	11:25 AM	25	2.11	5	1300	16	1815	160	0	100
Comments:												

🏠 RIVER RD / UPPER MANATEE RIVER ROAD #13 (RTU #330) 1010 UPPER MANATEE RIVER RD. BRADENTON, FL 34212 Latitude: 27.48919 Longitude: -82.43392

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	000	06/15/2017	2:20 PM	20	2.67	10	700	6	137	205	0	100
Comments:												
Biofilter	000	07/31/2017	10:00 AM	20	2.08	4	700	6	137	105	0	100
Comments:												

🏠 RW4 (RIVER WILDERNESS #4) (RTU #532) 11721 OLD TAMPA RD. PARRISH, FL 34219 Latitude: 27.54833 Longitude: -82.4365

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	1234567	06/08/2017	8:20 AM	20	2.31	10	700	6	137	92	0	100
Comments:												
Biofilter	1234567	07/24/2017	10:00 AM	20	2.06	2	700	6	137	120	0	100

Comments:

🏠 SAMOSET 1 (RTU #308) 1801 34TH AVE. E. BRADENTON, FL 34208 Latitude: 27.46963 Longitude: -82.54235

Equipment Type	Equipment ID	Date	Time	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	Asset 117688	06/20/2017	5:30 PM	2.82	10	800	6	157	18	0	100

Comments:

Biofilter	Asset 117688	07/28/2017	12:50 PM	2.27	10	850	6	167	8	0	100
-----------	--------------	------------	----------	------	----	-----	---	-----	---	---	-----

Comments:

🏠 SAMOSET 5 2106 26th Ave E Bradenton, FL 34208-7754 Latitude: 27.47672 Longitude: -82.53815

Equipment Type	Equipment ID	Date	Time	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	Asset 118340	06/20/2017	4:40 PM	2.79	1	375	6	74	18	0	100

Comments:

Biofilter	Asset 118340	07/28/2017	1:45 PM	1.87	2	375	6	74	52	0	100
-----------	--------------	------------	---------	------	---	-----	---	----	----	---	-----

Comments:

🏠 SE WWTP 6000 BIOFILTER 3331 Lena Rd Bradenton, FL 34211-9458 Latitude: 27.46791 Longitude: -82.44764

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	000	06/15/2017	3:50 PM	20	2.52	5	1100	12	864	30	0	100

Comments:

Biofilter	000	07/31/2017	12:10 PM	50	1.78	3	1100	12	864	70	0	100
-----------	-----	------------	----------	----	------	---	------	----	-----	----	---	-----

Comments:

🏠 SWRWTP HEADWORKS 5101 65th St W Bradenton, FL 34210-2628 Latitude: 27.45299 Longitude: -82.62318

Equipment Type	Equipment ID	Date	Time	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	110242	06/12/2017	3:00 PM	2.12	4	1200	8	419	80	0	100

Comments:

Biofilter	110242	07/31/2017	4:30 PM	1.94	2	1200	8	419	70	0	100
-----------	--------	------------	---------	------	---	------	---	-----	----	---	-----

Comments:

🏠 TARA 20 5610 Manor Hill Ln Bradenton, FL 34203 Latitude: 27.44054 Longitude: -82.4675

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	42594001-1	06/19/2017	9:00 AM	20	2.03	0	1750	6	344	125	0	100

Comments:

Biofilter	42594001-1	07/27/2017	9:30 AM	20	2.52	10	1700	6	334	72	0	100
-----------	------------	------------	---------	----	------	----	------	---	-----	----	---	-----

Comments:

🏠 TARA 6 PS 7406 TARA PRESERVE LANE BRADENTON, FL 34203 Latitude: 27.43263 Longitude: -82.46567

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
Biofilter	12345678	06/19/2017	10:35 AM	20	1.97	6	1800	4	157	18	0	100

Comments:

Biofilter	12345678	07/27/2017	10:15 AM	15	2.23	10	1700	4	148	4	0	100
-----------	----------	------------	----------	----	------	----	------	---	-----	---	---	-----

Comments:

🏠 TV4 (TIDEVUE #4 MASTER) (RTU #533) 1355 41st Ave E Ellenton, FL 34222 Latitude: 27.52507 Longitude: -82.5239

Equipment Type	Equipment ID	Date	Time	Nutrient Tank Level (Gallons)	Drain pH	Drain Nitrate (mg/L)	Velocity (ft/min)	Duct Size (inches)	Air flow (cfm)	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)	Percent Removal H2S (%)
----------------	--------------	------	------	-------------------------------	----------	----------------------	-------------------	--------------------	----------------	-------------------------------	--------------------------------	-------------------------

Biofilter	43304002	06/12/2017	9:30 AM	75	2.36	6	2050	6	403	185	0	100
Comments:												
Biofilter	43304002	07/24/2017	1:50 PM	160	2.18	5	2000	6	393	235	0	100
Comments:												

🏠 1 (RTU # 54) 111 6th St S Bradenton Beach, FL 34217-2532 Latitude: 27.46297 Longitude: -82.69658

Equipment Type	Equipment ID	Date	Time	Air flow (cfm)	System Appearance	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)
Carbon Scrubber	NA	06/30/2017	4:10 PM	33	Good	5	0
Carbon Scrubber	NA	07/18/2017	1:25 PM	35	Good	5	0

🏠 12 (RTU #65) 501 Magnolia Ave Anna Maria, FL 34217 Latitude: 27.52999 Longitude: -82.73158

Equipment Type	Equipment ID	Date	Time	System Appearance	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)
Carbon Scrubber	0	06/30/2017	2:40 PM	Good	20	0
Carbon Scrubber	0	07/18/2017	2:35 PM	Good	5	0

🏠 20A (RTU #433) 5932 12th St E Bradenton, FL 34203 Latitude: 27.43505 Longitude: -82.55088

Equipment Type	Equipment ID	Date	Time	Air flow (cfm)	System Appearance	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)
Carbon Scrubber	xxxx	06/21/2017	11:25 AM	120	old	10	0
Carbon Scrubber	xxxx	07/26/2017	1:25 PM	113	good	4	0

🏠 26A (aka RTU #418) 800 Orlando Ave Bradenton, FL 34207 Latitude: 27.45835 Longitude: -82.56896

Equipment Type	Equipment ID	Date	Time	System Appearance	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)
Carbon Scrubber	000	06/13/2017	4:25 PM	good	10	0
Carbon Scrubber	000	07/28/2017	6:00 PM	good	4	0

🏠 2C 2301 Avenue C Bradenton Beach, FL 34217-2260 Latitude: 27.47928 Longitude: -82.70315

Equipment Type	Equipment ID	Date	Time	System Appearance	H2S Concentration Inlet (ppm)	H2S Concentration Outlet (ppm)
Carbon Scrubber	000	06/30/2017	3:55 PM	Good	5	0
Carbon Scrubber	000	07/18/2017	1:35 PM	good	5	0

Delivery Summary

06/01/2017 through 07/31/2017

MANATEE, COUNTY CLK CIR C

Chemical	Site	Date	Gallons Delivered
----------	------	------	----------------------

Alk Aquit 25

Chemical	Site	Date	Gallons Delivered
41A (RTU #454)			
		05-Jun-17	1001.000
		09-Jun-17	830.000
		14-Jun-17	1026.000
		19-Jun-17	1041.000
		23-Jun-17	837.000
		28-Jun-17	792.000
		03-Jul-17	995.000
		07-Jul-17	789.000
		Site total:	7311
TARA 20			
		05-Jun-17	1402.000
		19-Jun-17	1263.000
		23-Jun-17	1043.000
		28-Jun-17	1257.000
		03-Jul-17	1294.000
		07-Jul-17	1000.000
		24-Jul-17	1264.000
		Site total:	8523
		Alk Aquit 25 Total:	15834

Bioxide

Chemical	Site	Date	Gallons Delivered
9A (RTU #436)			
		01-Jun-17	475.000
		01-Jul-17	600.000
		Site total:	1075
N2B (RTU #548)			
		28-Jun-17	1691.000
		13-Jul-17	800.000
		Site total:	2491
RIVER WOODS / RW2 (RTU #569)			
		01-Jul-17	1050.000
		Site total:	1050
RW4 (RIVER WILDERNESS #4) (RTU #532)			
		01-Jul-17	1310.000
		13-Jul-17	1200.000
		Site total:	2510
SAMOSET 4			
		13-Jul-17	600.000
		Site total:	600
		Bioxide Total:	7726

Bioxide Plus 71

Chemical	Site	Date	Gallons Delivered
12 (RTU #65)			
		13-Jun-17	900.000
		11-Jul-17	497.000
		28-Jul-17	473.000
		Site total:	1870
37A (RTU #302)			
		22-Jun-17	2150.000

	11-Jul-17	600.000
		Site total: 2750
42A (RTU#431)		
	27-Jul-17	1050.000
		Site total: 1050
5 (RTU #71)		
	05-Jun-17	3100.000
	09-Jun-17	3100.000
	21-Jun-17	3900.000
	26-Jun-17	2550.000
	30-Jun-17	2754.000
	10-Jul-17	3900.000
	19-Jul-17	3900.000
	21-Jul-17	1442.000
	24-Jul-17	550.000
	28-Jul-17	2357.000
		Site total: 27553
6A - RTU136		
	15-Jun-17	200.000
	22-Jun-17	275.000
		Site total: 475
8D (RTU #225)		
	13-Jun-17	700.000
	11-Jul-17	1103.000
		Site total: 1803
ARNOLD PALMER GREEN PS#2-RTU #626		
	21-Jun-17	250.000
	18-Jul-17	350.000
		Site total: 600
CC8 (COLONY COVE #8) (RTU #524)		
	20-Jun-17	800.000
	21-Jul-17	750.000
		Site total: 1550
COMMERCE PK / 301 PARK OF COMMERCE (RTU #311)		
	24-Jul-17	475.000
		Site total: 475
GREENBROOK #2 (RTU #620)		
	14-Jun-17	1400.000
	18-Jul-17	975.000
	24-Jul-17	700.000
		Site total: 3075
GREYHAWK LANDINGS #3 (RTU #637)		
	22-Jun-17	1000.000
	13-Jul-17	200.000
		Site total: 1200
LAKEWOOD RANCH TWN CNTR 4		
	21-Jun-17	340.000
	18-Jul-17	425.000
		Site total: 765
LS #15		
	13-Jun-17	1500.000
	11-Jul-17	1500.000
	28-Jul-17	770.000
		Site total: 3770
LWR REPUMP		
	14-Jun-17	525.000
	13-Jul-17	1000.000
	27-Jul-17	900.000
		Site total: 2425
MANATEE WOODS (SERENDIPITY) (RTU #319)		

20-Jun-17	1185.000
21-Jul-17	850.000
Site total:	2035
MEMPHIS RD (RTU #534)	
22-Jun-17	550.000
21-Jul-17	1250.000
Site total:	1800
MILL CREEK 2 (RTU #358)	
13-Jul-17	375.000
Site total:	375
MILL CREEK 4 (RTU #374)	
13-Jul-17	355.000
Site total:	355
N4B (RTU #550)	
07-Jul-17	660.000
21-Jul-17	800.000
Site total:	1460
OAKLEAF 2 PS	
20-Jun-17	275.000
21-Jul-17	250.000
Site total:	525
PARC IMPERIAL LS	
22-Jun-17	500.000
Site total:	500
RIVERDALE 1 PS	
14-Jun-17	300.000
18-Jul-17	825.000
27-Jul-17	450.000
Site total:	1575
SABAL HARBOR 1	
13-Jul-17	700.000
Site total:	700
SABAL HARBOR 2	
14-Jun-17	875.000
13-Jul-17	470.000
Site total:	1345
SAMOSET 1 (RTU #308)	
12-Jun-17	1331.000
22-Jun-17	1200.000
12-Jul-17	475.000
21-Jul-17	1358.000
Site total:	4364
SONOMA	
21-Jun-17	670.000
18-Jul-17	525.000
27-Jul-17	100.000
Site total:	1295
TARA 351 / TARA #4 (RTU #351)	
20-Jun-17	470.000
27-Jul-17	300.000
Site total:	770
TARA 354 / TARA #5 (RTU #354)	
20-Jun-17	320.000
27-Jul-17	450.000
Site total:	770
THE LOOP PS	
24-Jul-17	500.000
Site total:	500
WATERFORD LS	
21-Jun-17	786.000

Site total: 786

Bioxide Plus 71 Total: 68516

Odophos

15D (RTU #218)		
13-Jun-17		803.000
Site total: 803		
40A (RTU #429)		
06-Jun-17		758.000
28-Jun-17		1960.000
06-Jul-17		516.000
19-Jul-17		700.000
Site total: 3934		
KAY RD (#10) (RTU #328)		
06-Jun-17		500.000
26-Jun-17		530.000
06-Jul-17		380.000
19-Jul-17		430.000
Site total: 1840		
PET MILK (RTU #470)		
06-Jun-17		880.000
23-Jun-17		980.000
06-Jul-17		380.000
19-Jul-17		755.000
Site total: 2995		
Odophos Total: 9572		

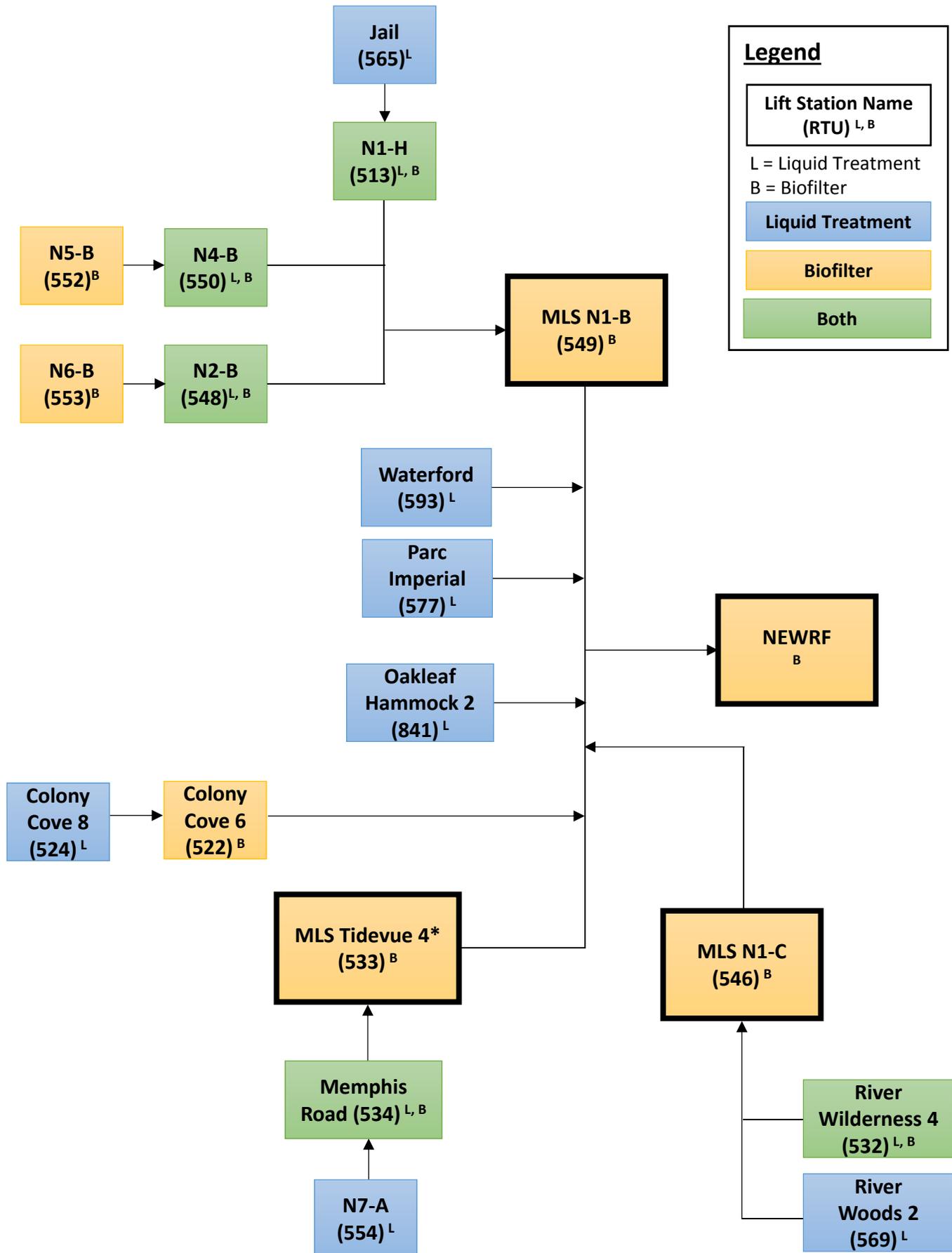
PRI-SC Hydrogen Peroxide 50%

N1H (RTU #513)		
20-Jul-17		1300.000
Site total: 1300		
PRI-SC Hydrogen Peroxide 50% Total: 1300		

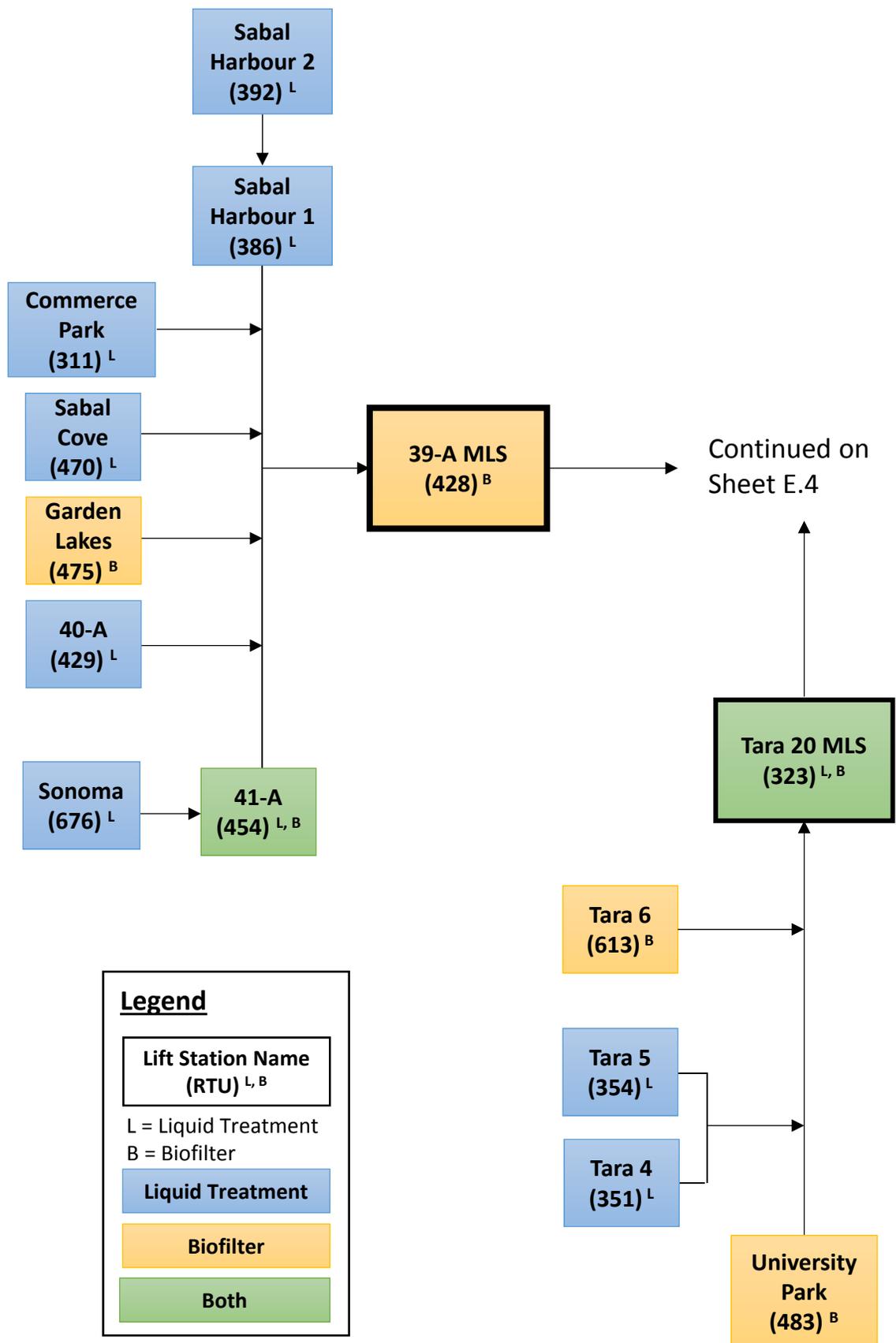
PRI-SC Odophos

JAIL / STOCKADE		
02-Jun-17		450.000
13-Jun-17		1100.000
28-Jun-17		1300.000
11-Jul-17		700.000
19-Jul-17		900.000
Site total: 4450		
PRI-SC Odophos Total: 4450		

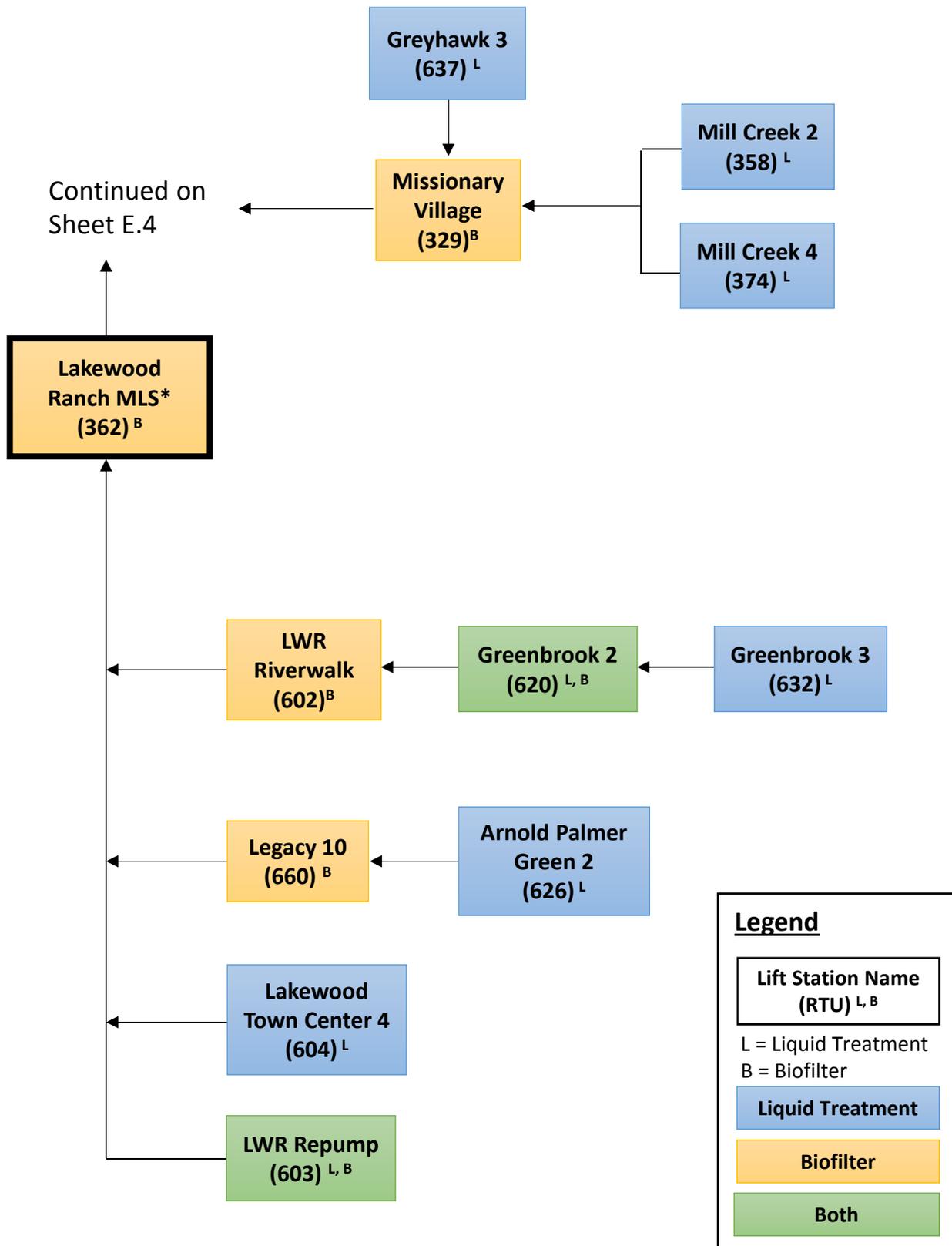
Appendix E.1 Odor/Corrosion Control Schematic (North Service Area)



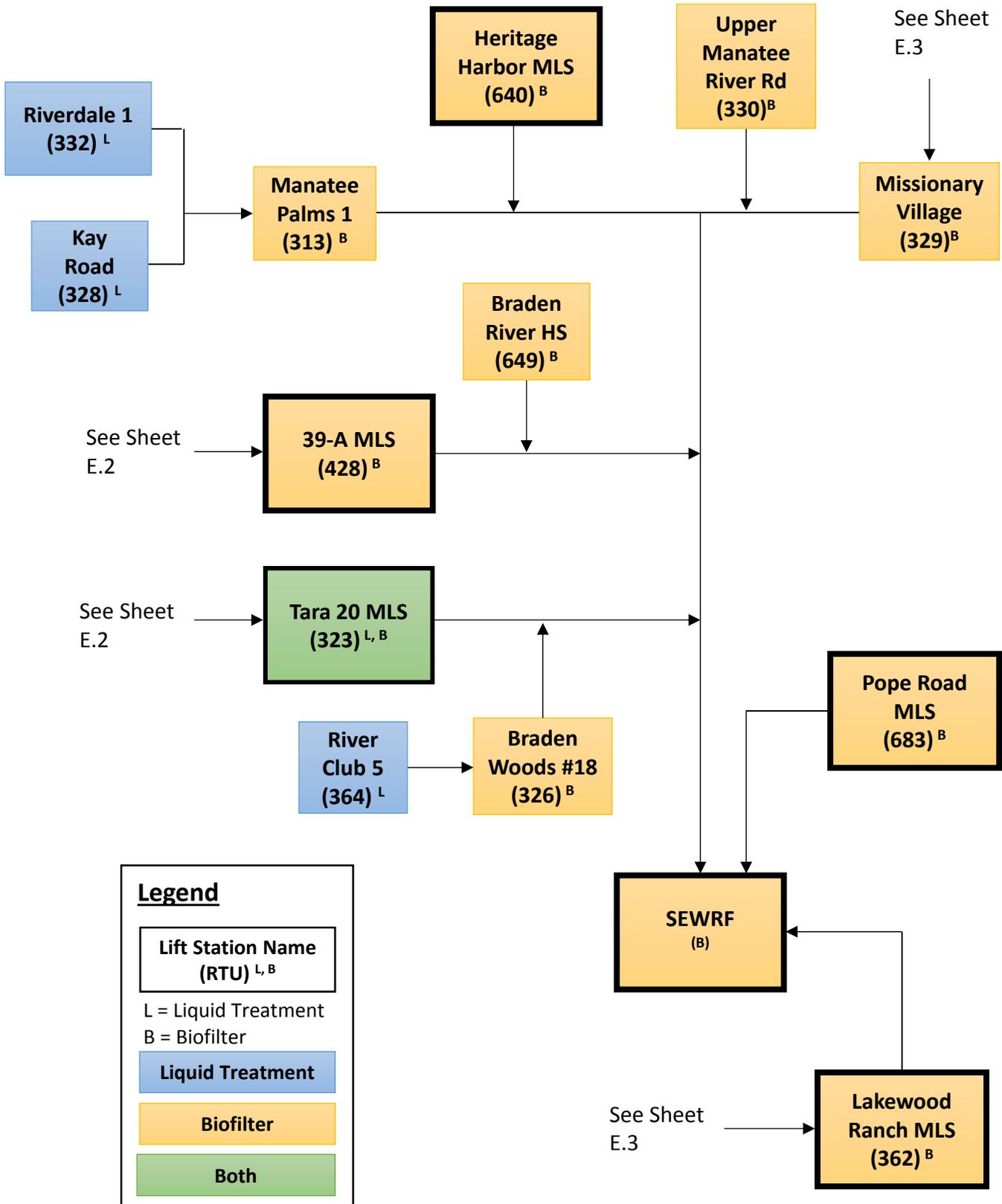
Appendix E.2 Odor/Corrosion Control Schematic (Southeast Service Area)



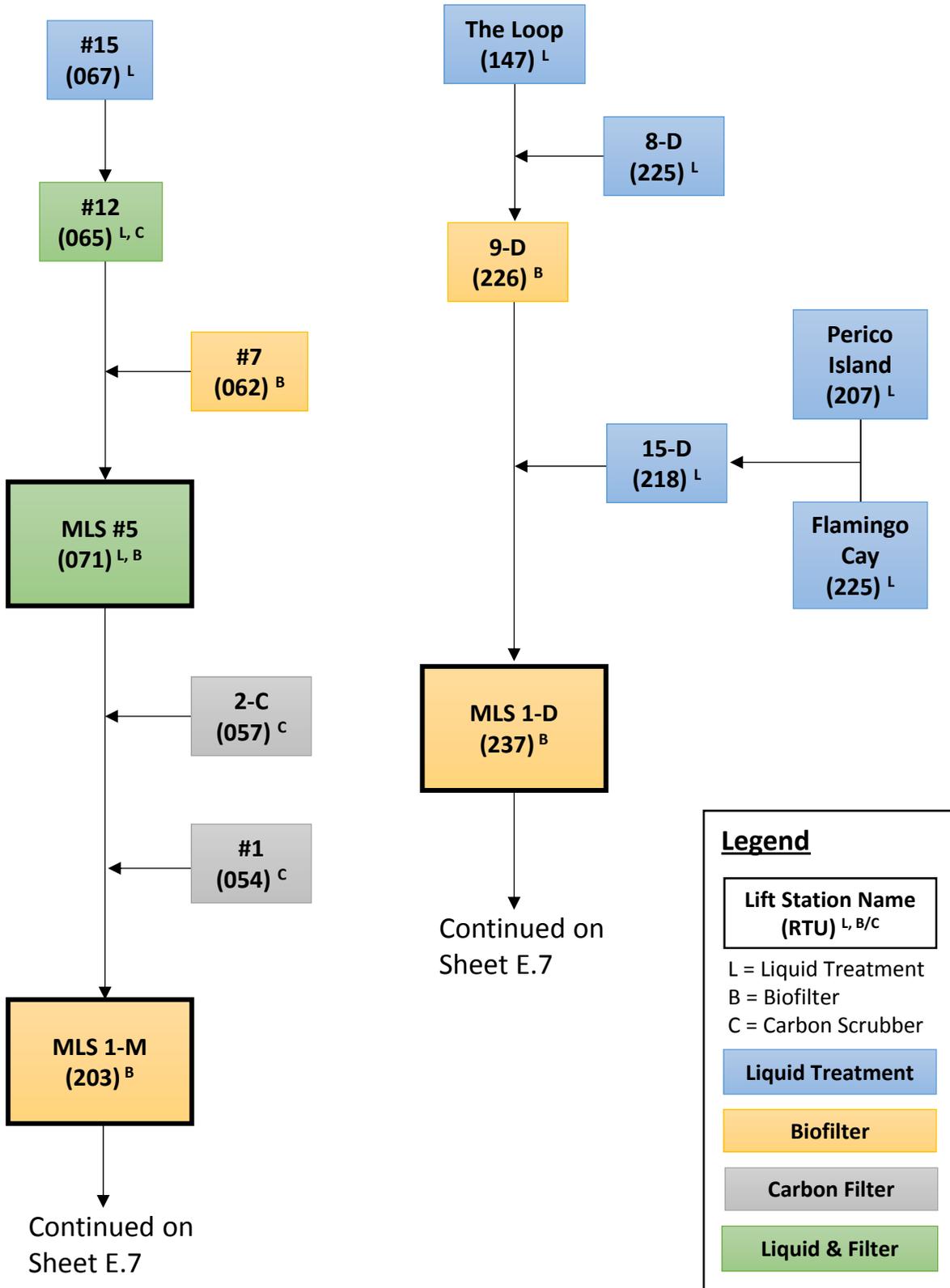
Appendix E.3 Odor/Corrosion Control Schematic (Southeast Service Area)



Appendix E.4 Odor/Corrosion Control Schematic (Southeast Service Area)



Appendix E.5 Odor/Corrosion Control Schematic (Southwest Service Area)



Appendix E.7 Odor/Corrosion Control Schematic (Southwest Service Area)

