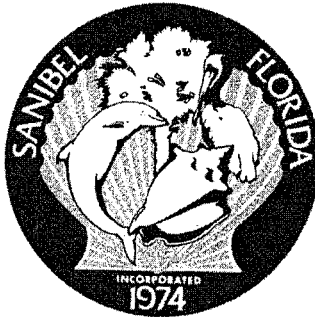


CITY OF SANIBEL, FLORIDA



SPECIFICATIONS

FOR

Sodium Hypochlorite Services

March 2016

KEITH WILLIAMS II, P.E.
PUBLIC WORKS DIRECTOR
CITY OF SANIBEL
750 DUNLOP ROAD
SANIBEL, FLORIDA 33957
(239) 472-6397

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CITY OF SANIBEL, FLORIDA

ADVERTISEMENT FOR BIDS

Legal Notice is hereby given that sealed proposals will be received at the Office of the City Engineer, City of Sanibel, Florida, at the Public Works Building, 750 Dunlop Road, Sanibel, until 2:30 P.M., on April 14, 2016 and shortly thereafter will be publicly opened and read aloud. Any proposal offered later than the above time will be returned unopened.

The work for which proposals are to be received consists of the following:

SODIUM HYPOCHLORITE SERVICES

This work consists of: Qualified companies providing the City of Sanibel with Sodium Hypochlorite to disinfect the treated wastewater at the Donax Water Reclamation Facilities, to insure that the City is in full compliance with the applicable provisions of the City of Sanibel Donax Reclamation Facility Operating Permits. In order to meet the requirements of the operating permits the City is seeking a firm willing to accept the responsibility to supply the sodium hypochlorite solution to properly disinfect the wastewater.

Proposals shall be properly and completely executed on a standard proposal form.

No bidder may withdraw his proposal within a period of sixty (60) days following the date set for receiving proposals. The City of Sanibel reserves the right to hold any and all bids for a period of not more than sixty (60) days and said bids shall be and remain valid and in full force and effect during said period. The City of Sanibel reserves the right to reject any and all proposals and to waive informalities.

Plans and Specifications for the work may be obtained by email. Requests can be made to sanpw@mysanibel.com or by contacting the Public Works Department at (239) 472-6397.

Keith Williams II, PE
Public Works Director

AFFIDAVIT REQUESTED
PUBLISH ONE TIME
Fort Myers News-Press
March 21, 2016

INSTRUCTIONS, TERMS AND CONDITIONS

1.0 GENERAL

General description of service to be provided is for the supply of the sodium hypochlorite solution to disinfect the wastewater, at the Donax Water Reclamation Facilities, with a sodium hypochlorite solution. The scope of services is indicated and specified in the applicable parts of these Bid Documents.

CITY – Shall mean the City of Sanibel, Florida

2.0 DOCUMENT INTERPRETATION

- 2.1 The separate sections contained within these Bid Documents are intended to be mutually cooperative and to provide all details reasonable required for the execution of the proposed work.
- 2.2 Should there be any doubt as to the meaning or intent of the Bid Documents, the bidder shall provide a written request to the City (at least seven [7] working days prior to bid opening) for an interpretation thereof. Any interpretation or change in the Bid Documents will be made in writing, in the form of Addenda. All Addenda to the Documents will be furnished to all holders of Bid Documents. Bidders shall submit with their Bids all Addenda. The City will not be responsible for any other explanation or interpretations of said document.
- 2.3 All inquires regarding the bid should be in writing and directed to:
- Joe Gudinas
City of Sanibel
Utility Department
800 Dunlop Road
Sanibel, FL 33957

3.0 QUALIFICATIONS OF BIDDERS

- 3.1 The prospective Bidders must meet the statutory prescribed requirements before award of contract by the City.

4.0 BIDDER'S UNDERSTANDING

- 4.1 Each bidder must familiarize themselves with the conditions relating to the execution of the work, and it is assumed that they will inspect the site and make himself thoroughly familiar with all the Bid Documents. Failure to do so will not relieve the successful Bidder of their obligation to enter into a contract and complete the contemplated work in strict accordance with the Bid Documents. It shall be the bidder's obligation to verify for themselves and to their complete satisfaction all information concerning existing conditions.
- 4.2 Each Bidder shall inform themselves of and shall comply with the federal, state, and local laws, statutes, and ordinances relative to the execution of the work if awarded contract. This requirement includes, but is not limited to, Florida Department of Environmental Protection rules and regulations applicable to this work, applicable regulations concerning minimum wage rates, nondiscrimination in the employment of labor, protection of public and employee safety and health, environmental protection, the protection of natural resources, fire protection, permits, fees, state and federal transportation standards and similar subjects.

5.0 PREPARATION OF BIDS

5.1 General

- 5.1.1 The Bidder shall provide (in English) the information required in the bid documents. Please respond concisely to each of the requirements or questions as set forth in the bid documents.
- 5.1.2 Any bid which contains omissions, erasures, alterations, or additions of any kind, or prices uncalled for, or in which any of the prices are obviously unbalanced, or which in any manner shall fail to conform to the condition of the published Invitation to Bid may be deemed informal and rejected.
- 5.1.3 Only one bid from an individual, contractor, partnership, or corporation, under the same or different names, will be considered. Should it appear to the City that any Bidder is interested in more than one bid for work contemplated, all bids in which such Bidder is interested will be rejected.

5.2 Submission of Bids

- 5.2.1 All bids must be submitted not later than the time prescribed, at the place, and in the manner set forth in the Invitation to Bid. Bids must be made on the bid forms provided herewith. Bids and other required forms may be copied and submitted as a separate package.
- 5.2.2 Submit two (2) copies of the bid in a sealed envelope. The outside of the envelope must be clearly marked, **Sodium Hypochlorite – City of Sanibel Donax Water Reclamation Facility** and must indicate the Bidder's name, and address in conformance with the instructions in the Request for Bids.
- 5.2.3 Bids received at, or prior to, the time set for bid opening will be opened and considered. Bids received after the time set for opening will not be opened or considered, but instead will be marked as received after designated time of opening and returned to sender. Facsimile bids will not be accepted.

5.3 Bid Price

- 5.3.1 The bid prices shall remain firm during the period(s) of the contract.
- 5.3.2 Bid prices shall be inclusive of equipment, mobilization, labor, management, delivery charges, fuel surcharges, Causeway toll fees, engineering and chemical product.
- 5.3.3 Service rate shall be inclusive of all labor, equipment and material to accomplish the services noted on the bid form.

5.4 Review of Bids

- 5.4.1 After bids are opened and recorded, they shall be reviewed by City staff for consistency with the requirements contained in the invitation to bid and the specifications, and for consistency with any requirements contained in general law. A

recommendation for award of a contract shall be forwarded to City Council for final action.

5.5 Modification or Withdrawal of Bids

- 5.5.1 A delivered bid may be modified or withdrawn by submitting an appropriate notice, duly executed and delivered to the City at any time prior to the opening of the bids.
- 5.5.2 Upon opening the bids, no bids may be modified or withdrawn until the time for award of contract has expired. If no time is set forth, bids shall expire 60 calendar days after bid opening.
- 5.5.3 Upon opening the bids, no bids may be modified or withdrawn unless City Council finds after hearing that the withdrawal was justified due to obvious and substantial error and inability to perform. The bidder will forfeit his bid bond, if any; or if none, damages or specific performance of the contract plus costs and attorneys fees.

5.6 Rejection of Bids

- 5.6.1 The City reserves the right to reject any and all bids or portions of them, as best serves the interest of the City. By way of example and not limitation, bids may be rejected if:
 - a. They are non-responsive.
 - b. They are materially higher than expected.
 - c. Errors in specifications may have caused confusion.
 - d. Sufficient funds are not available.
 - e. The item or service is no longer needed.
 - f. There is a lack of adequate competition.
 - g. The item or service can be provided in-house.
 - h. The bidder does not qualify under state or federal law.
 - i. The Bidder is not in compliance with City ordinances. This requirement may be waived if the City finds that the non-compliance is inadvertent, minor and curable as a condition of the award.
 - j. The Bidder does not appear to have the expertise, financial capability or other ability to meet the requirements of the contract to be awarded, or is otherwise shown not to be responsible.
 - k. The Bidder is debarred.
 - l. The Bidder has intentionally or unintentionally misrepresented or falsified information in their bid submittal.

6.0 **AWARD OF CONTRACT**

- 6.1 Within 60 calendar days after the opening of bids, the City will accept one of the bids, or will act in accordance with the following paragraphs. The acceptance of the bid will be by written notice of award, mailed to the office designated in the Bid, or delivered to the Bidder's representative. If the successful Bidder fails to sign the contract and provide insurance certificate(s), the City may award the Contract to the next responsible Bidder.
- 6.2 Criteria: Criteria to be used in evaluating bids and selecting the most responsive qualified bidder will include but not be limited to the following:

- a. Contracts will normally be awarded to the qualified Bidder, which submits the lowest responsive bid in terms of price. However, nothing herein shall prohibit consideration of relative quality, safety, overall cost over the life of the commodity, reliability, previous performance, warranties, service, fitness, adaptability for particular purpose, and the benefits of standardization.
- b. No criteria may be used in determining acceptability of the bid that was not set forth in the invitation to bid, the bid requirements/documents, or the policy. However, the City may waive minor irregularities in bid procedures.
- c. In case of a tie bid, the contract will be awarded in the following order: to a Bidder located in the City, then to a Bidder located in Lee County, then to a Bidder located in Florida, then by drawing lots in public.
- d. Nothing herein shall prohibit the City from awarding portions of a contract to more than one Bidder, if it is in the City's interest to do so.
- e. Any Bidder, which is awarded a contract, must be in compliance with all requirements for City licenses and permits prior to commencement of the work, unless waived by Council.
- f. City may conduct such investigations as it deems necessary to assist in the evaluation of any Bid and to establish the quality, safety record, responsibility, qualifications, and financial ability of the Bidders, proposed subcontractors, and other persons and organizations to do the work to City's satisfaction within the prescribed time.
- g. City reserves the right to make an on-site inspection and evaluation of any facility at which the Bidder's equipment and apparatus are currently being used. If the City chooses to use this right, the Bidder shall provide a representative on any on-site inspection. The inspection is not limited to only one facility.

- 6.3 Selection: City staff will review all bids received. A Bidder will be selected based upon the criteria listed above and quality of the bid contract. Should the top ranked company be unable to meet the conditions of the bid, the second ranked firm will be selected. The selected firm will be expected to begin work within 60 days of contract award.

The City reserves the right, after opening the bids, to reject any or all bids, accept bid informalities, modify or postpone the proposed project, or accept the bid, which, in the City's sole judgement, is in its best interest.

- 6.4 Notification of Unsuccessful Bidders: Unsuccessful Bidders will be notified as soon as possible by the City following determination at whatever point in the selection process such determination is made.

7.0 EXECUTION OF CONTRACT

The successful Bidder shall, within **15** working days after receiving notice of award, sign and deliver to the City, a contract together with the acceptable insurance certificates as required in these Documents. Within **15** working days after receiving the signed contract with acceptable insurance certificates from the successful Bidder, the City's authorized agent will sign the Contract. Signature by both parties constitutes execution of the Contract.

8.0 CONTRACT BONDS

9.0 WARRANTY

10.0 INDEMNITY, SAFETY AND INSURANCE PROVISION

10.1 Indemnity

10.1.1 To the fullest extent permitted by law, the Bidder shall indemnify and hold harmless the City, its employees and agents, from and against all claims, damages, losses and expense, including reasonable attorney's fees, arising out of or resulting from the performance of its operations under this contract.

10.2 The Bidder shall take all reasonable precautions to prevent damage, injury or loss to City Property.

10.2.1 All employees on the job and all other persons who may be affected thereby.

10.2.2 All the work, materials and equipment, on or off the site, that is under the care, custody or control of the Bidder.

10.2.3 All property at or surrounding the work site. In an emergency affecting the safety of persons or property, the Bidder shall act with reasonable care and discretion, to prevent threatened damage, injury, or loss.

10.3 Insurance

10.3.1 The Bidder or Vendor shall obtain or possess the following insurance coverage, and shall provide Certificates of Insurance to the City prior to commencing operations under the contract to verify such coverage. The insurance coverage shall contain a provision, which forbids any changes or material alterations in the coverage without providing 30 days prior notice to the City. The City is to be added as an additional insured.

a. Workers Compensation – The Bidder or Vendor shall provide Workers Compensation coverage for all employees at the work location and, in case any work is subcontracted, shall require its subcontractor to provide Workers Compensation for his employees. The limits shall be statutory for Workers Compensation and \$1,000,000 for Employers Liability.

b. Comprehensive General Liability – The Bidder or Vendor shall provide coverage for all operations including but not limited to, Contractual, Products and completed Operations, and Personal Injury. The limits shall be not less than \$1,000,000 Combined Single Limits (CSL) or its' equivalent.

c. Comprehensive Automobile Liability – The Bidder or Vendor shall provide coverage for all owned and non-owned vehicles for limits of not less than \$500,000 Combined Single Limits (CSL) or its equivalent.

11.0 STANDARDS

11.1 All work shall be done in accordance with the Technical Specifications as discussed therein.

- 11.2 The Bidder shall provide competent, suitable qualified personnel to perform the work as required by the Contract Documents. The Bidder shall, at all times, maintain good discipline and order at the site.
- 11.3 The Bidder shall furnish all materials, equipment, labor, transportation, tools, appliances, and all other facilities and incidentals necessary for the execution, testing, installation, initial operation and continued performance of the equipment and the accessories for the duration of the Contract. The City shall be responsible for providing water and electricity at the site.
- 11.4 All materials shall be new except as otherwise provided in the Contract Documents. If required by the City, the Bidder shall furnish satisfactory evidence as to the kind and quality of materials.

12.0 CONTACT PERSON

- 12.1 The Bidder shall supply the names and phone numbers of those people that the City may contact concerning these services.

13.0 INVOICES

- 13.1 Invoices shall be submitted to:

Accounts Payable:
City of Sanibel
Utility Department
800 Dunlop Road
Sanibel, FL 33957

- 13.2 Each invoice shall reflect a complete description of the work that was accomplished with the City purchase order number, the City department, and any information that is pertinent to the work performed.
- 13.3 Payments shall be made in accordance with the City of Sanibel Prompt Payment Policy, Sec.2-10 of the Sanibel Code.

14.0 TAXES

- 14.1 The City is exempt from paying Florida Sales and Use Tax.

15.0 BID REQUIREMENTS

15.1 Background Information

- 15.1.1 The Bidder shall provide background information relative to each of the following items in a concise and comprehensive manner:
 - a. Tax Identification Number;
 - b. Name of Contact Person and Alternate Contact Person, including telephone numbers;
 - c. Emergency Contact and Telephone Number;
 - d. Location of the Bidder's headquarters' office and the office from which this contract would be administered;

- e. Date of organization or incorporation, and if a corporation, where incorporated;
- ✓ f. Written evidence that the Bidder is registered and qualified to do business in the State of Florida; provide copies of registrations of certificates.
- ✓ Business tax receipt g. Certification that the Bidder is in compliance with all laws of the State relating to taxes; provide copies of registrations of certificates.
- h. Listing of at least five (5) references for services performed for Water Treatment (WT) and Wastewater Treatment (WWT) utility entities within the last five (5) years; including name, position, address, and phone numbers of contacts. **References shall be supervisors, chief operators, or superintendents.**
- i. Number of years engaged in business.
- j. Provide a tabulation of the firm's total current work force.
- k. List of any subcontractors or product manufacturer that Bidder proposes to use.
- l. Location of manufacturing facility that will serve the customer's site in addition to any local sites capable of emergency resupply.
- m. The Bidder shall provide the names of any customers where its contract was terminated early or debarred for either safety, quality or service issues for any product it supplier over the past five (5) years. This list shall apply to all of Bidder's subcontractors.
- n. The Bidder shall provide the names of any customers where it failed to honor its contractual commitments for any product it supplies over the past five (5) years.
- o. The Bidder shall provide a detailed listing of all accidents, incidents, releases, spills or National Response Center Notifications (e.g., "safety incidents") for all chemicals it delivers or manufactures for the past five (5) years. This list shall apply to all of Bidder's subcontractors.
- p. Each prospective Bidder shall submit a 1500 ml "chilled" sample of their product representative of their manufacturing process to one of the approved testing laboratories listed in this Specification for analysis. The laboratory shall ascertain whether the Bidder's product is in compliance with this Specification for available chlorine, % sodium hypochlorite, excess caustic, iron, copper, nickel, chlorate, bromate, perchlorate and suspended solids (based on Filter Test time). The cost of the analysis shall be borne by Bidder. Failure to submit a sample or meet the requirements of the Specification shall result in Bidder being disqualified from bidding on this product.

16.0 BID DOCUMENTS

- 16.1 The City of Sanibel, Florida is seeking bids from qualified companies to provide the City with sodium hypochlorite solution to disinfect the treated wastewater, Donax Water Reclamation Facilities, using sodium hypochlorite to ensure that the City is in full compliance with the applicable provisions of City of Sanibel Donax Water Reclamation Facility Operating Permit. In order to meet the requirements of the Operating Permit the City is seeking a firm willing to accept the appropriate responsibility to supply sodium hypochlorite solution to properly disinfect the wastewater and any of the equipment as specified herein.
- 16.2 The selected firm will be required to enter into up to a three year contract with the City which will include but not be limited to acceptance of responsibility for the equipment and services as presently written or modified.
- 16.3 It is understood that the City is not obligated to purchase any specific quantity of services under this contract. However, the quantity will be adequate to properly disinfect the wastewater.
- 16.4 Either party may cancel this contract, in whole or in part, by giving 90 days prior notice in writing. However, the Bidder shall not be authorized to exercise this cancellation option during first 180 days of the contract.
- 16.5 Bids will be accepted at the Office of the City Engineer, City of Sanibel, Florida, at the Public Works Building, 750 Dunlop Road, Sanibel, until 2:30 P.M., on April 14, 2016 and shortly thereafter will be publicly opened and read aloud. Any proposal offered later than the above time will be returned unopened. Plans and Specifications for the work may be obtained by email. Requests can be made to sanpw@mysanibel.com or by contacting the Public Works Department at (239) 472-6397.

TECHNICAL SPECIFICATIONS

17.0 TECHNICAL SPECIFICATIONS

17.1 Chemicals – General Description

- 17.1.1 The product shall be Sodium Hypochlorite.
- 17.1.2 Sodium Hypochlorite Solution shall be a minimum of 10.8% or greater by weight (120 grams per liter).
- 17.1.3 The Donax WWT plant is accessible by tanker truck and is currently delivered by tanker. The Wulfert WWT plant is not tanker accessible and is currently delivered by a flatbed truck. The plants are manned from 7:00 A.M. to 3:00P.M. All Causeway toll fees to be inclusive in bid price.
- 17.1.4 Annual supply of Sodium Hypochlorite is estimated at 82,000 gallons at the Donax WWT plant.
- 17.1.5 The Contractor shall furnish liquid sodium hypochlorite (12.5 Trade Percent Available Chlorine) FOB destination in accordance with the American Water Works

17.2 Chemicals – Delivery Locations

- 17.2.1 Donax Wastewater Treatment Plant, 930 Donax Street, Sanibel, FL 33957. One 10,000 gallon tank owned by City of Sanibel.

17.3 Chemicals – Delivery Requirements

- 17.3.1 Contractor shall make normal deliveries within three (3) working days after receipt of order. Contractor shall make emergency deliveries not more than 24 hours of receipt of order.
- 17.3.2 Deliveries to Donax WWT plant may be with either 26' long flatbed trailer or with tanker trailer. The plant is manned from 7:00 A.M. to 5:00 P.M. Monday through Saturday.
- 17.3.3 The Contractor shall be responsible for any spills resulting from the failure of its or its subcontractor's delivery equipment or from failure of attendant delivery personnel in the proper performance of their duties. Proper performance shall require attendant delivery personnel's constant inspection and observation of unloading operations and knowledgeable response to problems or emergencies, which would most commonly be expected to occur. The City of Sanibel reserves the right to refuse any and all deliveries made with equipment that is poorly maintained.
- 17.3.4 The tanks or trailers shall be clean and free of residue that may contaminate the Contractor's product or impede the unloading process. It is the Contractor's responsibility to verify the cleanliness of the transporting equipment before loading. All appurtenant valves, pumps, and discharge hoses used for the delivery of sodium hypochlorite shall be supplied by the Contractor and shall be clean and free from contaminating material. The City of Sanibel may reject a load if the equipment is not properly cleaned. The Contractor shall furnish the City of Sanibel an approved, leak-free connection device between the trailer and the City of Sanibel's intake receptacle. The Contractor shall observe the entire filling operation at each delivery site and shall immediately report any spills caused during the filling operations. The Contractor shall take immediate and appropriate actions to clean up any spilled liquid sodium hypochlorite. If the spill is not cleaned up, the City of Sanibel will hire a certified hazardous material handling company to clean up the spill, and the cost of such service will be charge to the Contractor and deducted from the amount due to the Contractor. If the City of Sanibel's unloading equipment such as pipe, valves or level indication and alarms should fail and the spillage is not the fault of the Contractor or its subcontractor, the Contractor shall be relieved of cleanup of the spill.

17.4 Chemicals – Sampling and Testing Prior to Unloading

- 17.4.1 Sampling and testing shall be in accordance with EPA and AWWA B-300-04 standards and in accordance with the documents titled. "The Weight Percent Determination of Sodium Hypochlorite, Sodium Hydroxide, And Sodium Chlorate in Liquid Bleach" and "Suspended Solids Quality Test for Bleach Using Vacuum Filtration", distributed by Powell Fabrication and Manufacturing, Inc. and available at <http://www.powellfab.com>.

- 17.4.2 At the sole discretion of the City of Sanibel, the Contractor's delivery personnel (driver) may be asked to collect a sample of sodium hypochlorite before the shipment is unloaded. In this case, the City of Sanibel will supply the sample container and the driver shall collect the sample from the tank truck and turn it over to the City of Sanibel. The sample shall be considered representative of the lot.
- 17.4.3 The City of Sanibel reserves the right to subject samples of the sodium hypochlorite to quick analyses to ensure that it meets basic conditions of the specification with respect to specific gravity, weight percent of sodium hypochlorite, sodium hydroxide, and suspended solids (filter test). Any lot tested by the City of Sanibel that fails to comply with the specifications shall constitute grounds for rejection of that lot. No payment shall be made for sodium hypochlorite or any associated delivery charges (including tolls and overweight charges) that is rejected. The Contractor or its subcontractors shall allow 45 minutes for this testing to be completed. If testing can not be completed within the 45-minute period, the Purchaser shall allow the Contractor to unload the shipment. In the event that the load is rejected, the Contractor shall have four (4) hours to supply another shipment. In the event that the Contractor is unwilling or unable to supply another shipment within this time period, the City of Sanibel has the right to procure a shipment from another source. Three rejections of a lot or shipment in any twelve (12) month period shall constitute automatic termination of the Contractor's supply contract with the City of Sanibel.
- 17.5 Chemicals – Sampling and Testing After Unloading
- 17.5.1 The City of Sanibel reserves the right to subject samples of the sodium hypochlorite to complete analyses to ensure that it meets EPA specifications, AWWA B-300-04 specifications, and the supplemental specifications included with this document. A combination of three failures to comply with these specifications from either rejections of a shipment or subsequent complete laboratory analysis shall result in automatic termination of the Contractor's supply contract of the sodium hypochlorite.
- 17.6 Chemicals – Specifications of Material
- 17.6.1 Sodium Hypochlorite supplied under this contract shall be tested and certified as meeting these specifications and those of the American National Standards Institute/National Sanitation Foundation Standard 60 (ANSI/NSF Standard 60), Drinking Water Treatment Chemicals Health Effects. It is the responsibility of the supplier to inform the City of Sanibel that NSF certification has been revoked or lapsed within 24 hours of the time the supplier receives verbal or written notification. Loss of certification shall constitute sufficient ground for immediate termination of the contract between City of Sanibel and Contractor.
- 17.6.2 Sodium Hypochlorite delivered under this contract shall have a minimum of 120 Grams per Liter (GPL) available chlorine equivalent to 10.8 percent or higher sodium hypochlorite by weight). Product shall be a clear straw colored liquid with no visible cloudiness, impurities, or sediment.
- 17.6.3 Sodium Hypochlorite delivered under this contract shall have a minimum of 0.1 percent by weight sodium hydroxide and a maximum of 0.4 weight percent sodium hydroxide.
- 17.6.4 Sodium Hypochlorite delivered under this contract shall meet the following contaminant concentration limits:

Iron	< 0.3 mg/L
Copper	< 0.03 mg/L
Nickel	< 0.03 mg/L
Chlorate	< 2,000 mg/L
Bromate	≤ 20 mg/L
Perchlorate	< 30 mg/L

17.6.5 The delivery time of the shipment shall not exceed 72 hours from the time of manufacture of the product.

17.6.6 The suspended solids in the sodium hypochlorite delivered under this contract shall be minimized and the shipments delivered shall achieve a filtration time of less than 3 minutes for 1000 ml when applying the "Suspended Solids Quality Test for Bleach Using the Vacuum Filtration" Method developed by Novachem/Novatek and previously referenced in this Specification.

17.7 Chemicals – Manufacturer's Laboratory Reports

17.7.1 Delivery Report: A certified report from the manufacturer shall be submitted for each sodium hypochlorite delivery to the City of Sanibel. The report shall contain the following data:

- Date and Time of Manufacture
- Percent by Weight
 - Sodium Hypochlorite
 - Excess Sodium Hydroxide
- Specific Gravity (Referenced to a temperature)
- Suspended Solids Test Time

No deliveries will be accepted by the City of Sanibel unless accompanied by said certified laboratory report for the specific batch of sodium hypochlorite delivered showing the above data and that it conforms to the required specifications.

17.7.2 Quarterly Reports: At the start of the contract and every 90 days, the Contractor shall utilize an outside testing agency acceptable to both the Purchaser and the Contractor to analyze a sample of the sodium hypochlorite delivered to the Purchaser. The Contractor shall supply the sample container and the driver shall collect the sample from the tank truck. This sample will be given to the Purchaser at the time of the sample and the Purchaser forward the sample to the approved authorized testing agency. Any failure to comply with the specifications shall constitute grounds for cancellation of the contract between Purchaser and Contractor. Charges for the manufacturers certified report and all quarterly reports by outside testing agencies should be included in the bid price.

17.7.3 Approved Testing Agencies:

NovaChem Laboratories (formerly Novatek)
 5172 College Corner Pike
 PO Box 608
 Oxford, Ohio 45056
 Ph: 513-523-3605
 Fax: 513-523-4025

Thornton Laboratories
 1145 East Cass Street
 Tampa, Florida 33602
 Ph: 813-223-9702
 Fax: 813-223-9332
 Attn: Steve Thickett

Special Note: Concentration testing for iron and transition metal ions for nickel and copper in sodium hypochlorite is a difficult test and requires high levels of knowledge and experience for accurate and repetitive test results.

17.8 Services – Emergency Response

- 17.8.1 Should an emergency exist at the location where the Sodium Hypochlorite equipment is in operation, the City shall notify the Contractor. In such an instance, the Contractor shall immediately take all necessary actions to help resolve the situation, but in no case shall such on-site response be delayed more than two (2) hours.

17.9 Services – Safety Training

- 17.9.1 Contractor will provide standard training in the operation, maintenance, and safety requirements for the proper and safe use of the chemical. The Bidder shall also conduct additional safety training of new personnel introduced into the work area on an as-needed basis.

17.10 Services – Site Safety Plan

- 17.10.1 Upon installation of the equipment, the Contractor shall submit to the City a comprehensive plan that incorporates: site safety procedures (including product deliveries and equipment repair), ongoing safety evaluations (for system integrity and site cleanliness), and emergency response procedures (including preparatory training for local HAZMAT response teams).

17.11 Services – Sodium Hypochlorite Tank Cleaning

- 17.11.1 At any time during the performance of this Agreement, if the City has any sort of sludge or other impurity buildup in any of its sodium hypochlorite tanks, the Contractor shall cleanout the tank at no charge to the City within seven (7) days, unless such timeframe is extended by the City. The cleanout should be done in such a manner so that it is done safely with no loss of disinfection to the affected plant and the contents disposed of in accordance with current regulations on disposal of hazardous wastes. The Contractor shall submit a procedure to the City for approval prior to this work being completed. The determination of whether there is any such sludge or impurity buildup in the tanks will be at the sole discretion of the City. When the tank has been properly cleaned, the Contractor shall refill the tank at no cost to the City. Failure of the Contractor to cleanout the tank and replace the sodium hypochlorite within seven (7) days after being served notice (or within any extension of this timeframe specified by the City) shall be cause for immediate termination of the sodium hypochlorite supply between the City and the Contractor.

BID

To: City of Sanibel
Attn: Keith Williams II, PE, Public Works Director
Address: 750 Dunlop Road
Sanibel, FL 33957

Project Title: **City of Sanibel Sodium Hypochlorite Services**

Bidder's person to contact for additional information on this Bid:

Name: Patrick Allman

Title: General Manager

Telephone: 813/635-0339

Email Address: palman@odysseymanufacturing.com

BIDDER'S DECLARATION AND UNDERSTANDING

The undersigned, hereinafter called the Bidder, declares that the only persons or parties interested in this Bid are those named herein, that this Bid is, in all respects, fair and without fraud, that the Bid is made without collusion with any official of the City, and that the Bid is made without any connection or collusion with any person submitting another Bid on this Contract.

The Bidder further agrees that he has exercised his own judgment regarding the interpretation of all data, which he believes pertinent from the City, and other sources in arriving at his conclusions.

The Bidder further declares that it has carefully examined the Contract Documents, has personally inspected the site, that it has satisfied itself as to the quantities involved, including materials and equipment, and conditions of work enclosed, including the fact that the description of the quantities of work and materials, as included herein, is brief and is intended only to indicate the general nature of the work and to identify the said quantities with the detailed requirements of the Contract Documents, and that this Bid is made according to the provisions and under the terms of the Bid Documents, which Documents are hereby made a part of this Bid.

The Bidder represents that it has included with its bid all of the information and documents required by paragraph 15.1.1 of the Instructions to Bidders and such information is to the best of its knowledge factually correct with no misrepresentations.

CONTRACT EXECUTION AND BONDS

The Bidder agrees that if this Bid is accepted, it will, within 30 days, not including Sundays and legal holidays, after notice of award, sign the Contract form agreed upon or as may be amended by the City and accepted by the Bidder, and will at that time, deliver to the City the Certificates of Insurance required herein, and will, to the extent of its Bid, furnish all machinery, tools, apparatus, and other means of operation and do the work and furnish all

the materials necessary to complete all work as specified or indicated in the Bid Documents.

CERTIFICATES OF INSURANCE

The Bidder further agrees to furnish the City, before commencing the work under this Contract, the certificates of insurance as specified in these documents.

START OF WORK

The Bidder further agrees to begin work not later than seven days after receiving executed contracts and notice to proceed. A fully executed Contract shall act as Notice to Proceed.

ADDENDA

The Bidder hereby acknowledges that it has received all Addenda. (Bidder shall insert number of each Addendum received), and agrees that all addenda issued are hereby made part of the Contract Documents, and the Bidder further agrees that their bid(s) includes all impacts resulting from said addenda.

SALES AND USE TAX

The Bidder agrees that all federal, state, and local sales and use taxes are excluded in the stated proposed prices for the work.

INFORMATION PROVIDED BY THE CITY

Information which has been made available to Bidder:

Technical Specifications for required equipment, apparatus, and chemicals needed for the installation and utilization of sodium hypochlorite solution for the City of Sanibel's wastewater treatment facilities.

City makes said information available only for the purpose of bidding. They are presumed accurate, but the City does not guarantee the accuracy of the documents. Reliance on said information is at the risk of the Bidder. Bidder has the duty to research and confirm the accuracy of the information.

Bidder proposes to accept as full payment for the services described for the City of Sanibel wastewater facilities, in the following amounts:

Donax WWT Plant Chemicals: Sodium Hypochlorite per Year

(For purposes of this bid, it is estimated that 82,000 gallons of sodium hypochlorite will be used at the Donax Plant per year)

\$.74 Per gallon = \$ 60,680⁰⁰ year one
\$.74 Per gallon = \$ 60,680⁰⁰ year two
\$.74 Per gallon = \$ 60,680⁰⁰ year three

Donax WWT Plant Chemical Total \$ 182,040⁰⁰

BIDDER

The name of the Bidder submitting this Bid is (Company) _____

Odyssey Manufacturing Company doing business at

1484 Massaro Blvd., Tampa, Fl. 33619
(Street) (City) (State) (Zip)

which is the address to which all communication concerned with this Bid and with the Contract will be sent.

The names of the principal officers of the corporation submitting this Bid or of the partnership, or of all personnel interested in this Bid as principals are as follows:

Patrick Allman, General Manager

If Sole Proprietor or Partnership

IN WITNESS hereto the undersigned has set (its) hand this

_____ day of _____, 20__

Signature of Bidder

Title

If Corporation

IN WITNESS WHEREOF the undersigned corporation has caused this instrument to be executed and its seal affixed by its duly authorized officers this 11th day of April 2016

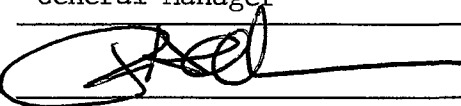
Odyssey Manufacturing Company

Name of Corporation

By: Patrick Allman

Title: General Manager

Attest


Secretary

CONTRACT

THIS CONTRACT, made this _____ day of _____, 2011 by and between the CITY OF SANIBEL, FLORIDA, a Florida municipal corporation, hereinafter called the "CITY" and DUMONT COMPANY, INC., a Florida corporation, hereinafter called "CONTRACTOR".

NOW, THEREFORE, in consideration of the covenants set forth below, acknowledged by the parties to be sufficient consideration, CITY and CONTRACTOR hereby agree as follows:

1. The CONTRACTOR will supply sodium hypochlorite (Chlorine) to the City's two wastewater plants, following all applicable Federal, State and Local Laws.
2. The CONTRACTOR will furnish all of the material, supplies, tools, equipment, labor and other services necessary for the completion of the services described herein.
3. The CONTRACTOR will provide this service commencing _____ through _____. This Contract, fully executed, will serve as Notice to Proceed.
4. The CONTRACTOR agrees to charge and the CITY shall pay for such services, at the rate of _____ per gallon of chlorine delivered to the Donax facility.
5. The scope of this CONTRACT will be to provide approximately 82,000 gallons of chlorine.
6. Payments by CITY to CONTRACTOR, for services provided under this Contract, shall be made according to the Sanibel Prompt Payment Policy, Sec. 2-306 Sanibel Code.
7. No deviation from the CONTRACT Documents will be allowed, honored or compensated unless accompanied by a fully executed change order.
8. INDEMNIFICATION AND HOLD HARMLESS

CONTRACTOR agrees to indemnify and hold the CITY, its agents, employees and officials, harmless from and against legal liability for all judgments, losses, damages, and expenses to the extent such judgments, losses, damages, or expenses are caused by the CONTRACTOR'S negligent acts, errors, or omissions arising out of CONTRACTOR'S performance of, or in any way connected with, CONTRACTOR'S services as set forth in this Contract. Upon completion of all services, obligations, and duties provided for in this Contract, or if this Contract is terminated for any reason, the terms and conditions of this section shall survive. The first \$10.00 paid under the terms of this Contract shall constitute consideration for the indemnity and hold harmless provision, such consideration acknowledged by CONTRACTOR to be sufficient.

9. INSURANCE

During the performance of the services under this Contract, CONTRACTOR shall maintain the following insurance:

Comprehensive General Liability Insurance for all operations including, but not limited to, contractual, products and completed operations, and personal injury. The limits shall be not less than \$1,000,000 Combined Single Limits (CSL) or its equivalent.

Comprehensive Automobile Liability Insurance for all owned and non-owned vehicles for limits of not less than \$500,000 Combined Single Limits (CSL) or its equivalent.

Workers' Compensation Insurance for all employees at the work location and, if subcontracted, subcontractor to provide Worker's Compensation for all its employees. The limits shall be in accordance with statutory requirements and Employers' Liability Insurance, and \$1,000,000 for Employers Liability.

CITY shall be provided Certificates of Insurance prior to commencing operations under this Contract as verification of such coverage. The insurance shall contain a provision, which forbids any changes or material alterations in the coverage without providing thirty (30) days prior written notice to the CITY. The City shall further be added as an additional insured.

10. TERMINATION FOR CAUSE

The obligation to provide further services under this Contract may be terminated by either party upon three days' written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party.

11. TERMINATION WITHOUT CAUSE

The CITY may cancel this Contract, with or without cause, upon at least five days prior written notice to the other party. In the event of such termination, CONTRACTOR shall be paid for all chlorine delivered in accordance with the terms of this Contract at the rate set forth in Paragraph 4 of this Contract.

12. This Contract shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Contract in counterparts each of which shall be deemed an original on the date first above written.

(SEAL)

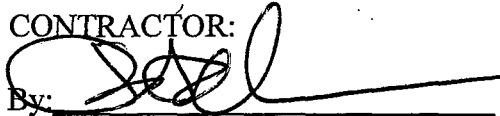
CITY:
CITY OF SANIBEL

By: _____
Judith A. Zimomra
City Manager

ATTEST:

Pamela Smith, City Clerk

CONTRACTOR:

By:  _____

Name: Patrick Allman

Title: General Manager

APPROVED AS TO FORM: _____ Date: _____
Kenneth B. Cuyler, City Attorney

State of Florida

Department of State

I certify from the records of this office that ODYSSEY MANUFACTURING CO. is a Delaware corporation authorized to transact business in the State of Florida, qualified on June 30, 1998.

The document number of this corporation is F98000003732.

I further certify that said corporation has paid all fees due this office through December 31, 2016, that its most recent annual report/uniform business report was filed on February 23, 2016, and that its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Twenty-third day of February,
2016*



Ken DeFuria
Secretary of State

Tracking Number: CC2547518125

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

2015 - 2016 HILLSBOROUGH COUNTY BUSINESS TAX RECEIPT

EXPIRES SEPTEMBER 30, 2016

OCC. CODE

ACCOUNT NO.

215900

RENEWAL

190.000038 CLEANING PRODUCTS MANUFACTURER

40 Employees

Receipt Fee

120.00

Hazardous Waste Surcharge

40.00

Law Library Fee

0.00

BUSINESS ODYSSEY MANUFACTURING CO
1484 MASSARO BLVD
TAMPA, FL 33619

2015 - 2016

NAME ODYSSEY MANUFACTURING CO
MAILING 1484 MASSARO BOULEVARD
ADDRESS TAMPA, FL 336190000

Paid 14-625-076113

09/08/2015 160.00

BUSINESS TAX RECEIPT

DOUG BELDEN, TAX COLLECTOR

813-635-5200

HAS HEREBY PAID A PRIVILEGE TAX TO ENGAGE
IN BUSINESS, PROFESSION, OR OCCUPATION SPECIFIED HEREON

THIS BECOMES A TAX RECEIPT WHEN VALIDATED.

SEP 14 2015

OCC. CODE

190.000038 CLEANING PRODUCTS MANUFACTURER

40 Employees

Receipt Fee

120.00

Hazardous Waste Surcharge

40.00

Law Library Fee

0.00

BUSINESS ODYSSEY MANUFACTURING CO
1484 MASSARO BLVD
TAMPA, FL 33619

2015 - 2016

NAME ODYSSEY MANUFACTURING CO
MAILING 1484 MASSARO BOULEVARD
ADDRESS TAMPA, FL 336190000

Paid 14-625-076113

09/08/2015 160.00

BUSINESS TAX RECEIPT

DOUG BELDEN, TAX COLLECTOR
813-635-5200

THIS BECOMES A TAX RECEIPT WHEN VALIDATED.

SEP 14 2015

HAS HEREBY PAID A PRIVILEGE TAX TO ENGAGE
IN BUSINESS, PROFESSION, OR OCCUPATION SPECIFIED HEREON

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

LICENSE NUMBER

CGC1516698

The GENERAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2016



COGDILL, MICHAEL J
ODYSSEY MANUFACTURING CO
1484 MASSARO BLVD
TAMPA FL 33619



ISSUED: 09/04/2014

DISPLAY AS REQUIRED BY LAW

SEQ # L1409040002397

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

LICENSE NUMBER

CFC057182

The PLUMBING CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2016



WING, DAVID ALBERT
ODYSSEY MANUFACTURING CO
9500 134TH WAY NORTH
SEMINOLE FL 33776





Odyssey Manufacturing Co. Sodium Hypochlorite Reference List

- Gerry Erb, Bonita Springs Utilities, RO Chief Operator, 239-390-4823
- Keith Helsper, Bonita Springs Utilities, Purchasing Agent, 239-390-4832
- Andy Fenske, City of Cape Coral, Chief Operator, 239-574-0877
- Chris Hoffman, City of Cape Coral, Buyer, 239-574-0841
- David Hawkins, Sarasota County, Bee Ridge WRF Supt., 941-316-1288
- Jissel Shoemaker, Sarasota County, Contracts Coordinator, 941-861-5340
- Andrew Greenbaum, Operations Manager, Tampa Bay Water, 813-929-4551
- Teresa Collins, Tampa Bay Water, Purchasing Manager, (727) 791-2325
- John Bullard, City of Delray Beach, WT Plant Manager, 561-243-7317
- Holly Vath, City of Delray Beach, Chief Purchasing Officer, 561-243-7123
- Craven Askew, City of St. Petersburg, NE WWTP Supt., 727-893-7779
- Kenny Wise, City of St. Petersburg, SW WWTP Supt., 727-893-7497
- Cynthia Brickey, City of St. Petersburg, Purchasing, 727-893-7026
- Troy Howell, City of Cocoa, WT Plant Superintendent, 407-568-5867
- Tammy Eastburn, City of Cocoa, Purchasing, 321-433-8775
- Phil Hyer, City of Pompano Beach, WTP Superintendent, 954-545-7030
- Leeta Hardin, City of Pompano Beach General Services Director (Purchasing), 954-786-4098
- Albert Jernej, City of Deerfield Beach, WTP Chief Operator, 954-480-4369
- David Santucci, City of Deerfield Beach, Purchasing Manager, 954-480-4380
- Tom Troutman, City of Port Orange WWTP, Chief Operator, 386-506-5786
- Steve Miller, City of Port Orange WTP, Chief Operator, 386-756-5380
- Lisa A. Pallante, Purchasing/Finance, 386-506-5712
- Barry Stewart, St. Johns County, WTP Superintendent, 904-209-2645
- Jaime Locklear, St. Johns County, Contract Coordinator, 904-209-0158
- Ben Wright, Lee County, Fort Myers Beach WRF, 239-466-8039
- Todd Cichy, City of Fort Myers, Corkscrew Lime Plant, 239-267-8228
- Sean McFarland, Seminole County, WTP Manager, 407-665-2759

MANUFACTURERS OF

ULTRA CHLOR
THE CLEAR SOLUTION

(800) ODYSSEY

1484 MASSARO BLVD • TAMPA, FL 33619 • (813) 635-0339 • FAX (813) 630-2589

NovaChem

Laboratories, Inc

Date: 6 April 2016

Call for results over the phone
513-523-3605

Odyssey Sample Analysis Results Received 4 April 2016

<u>Parameter</u>		
Wt% NaOCl	11.93	
GPL Available Chlorine	126	
Trade %	12.6	
Wt% NaOH	0.36	
Calculated pH	13.1	
Wt% Na ₂ CO ₃	0.19	
Specific Gravity, g/mL	1.1111	
Bromate ion, mg/L	<5	DL = 5 mg/L
Chlorate ion, mg/L	138	DL = 100 mg/L
Perchlorate ion, mg/L	<10	DL = 10 mg/L
Iron, mg/L	0.11	DL = 0.02 mg/L
Copper, mg/L	<0.02	DL = 0.02 mg/L
Nickel, mg/L	<0.02	DL = 0.02 mg/L
Chloride ion, mg/L	16,254	
Sodium, g/L (estimate)	15	
Wt% Suspended Solids	0.004	
Total Dissolved Solids, g/mL	0.93	
Filter Test (1,000 mL)	0 min 48 sec (Millipore 0.8 uM, type AWWP)	

B.P. Bubnis

B.P. Bubnis

6 April 2016

**NSF International**

789 N. Dixboro Rd. Ann Arbor, MI 48105, USA
1-800.NSF.MARK | +1-734.769.8010 | www.nsf.org

TEST REPORT

Send To: 25070

Mr. Patrick Allman
Odyssey Manufacturing Company
1484 Massaro Boulevard
Tampa, FL 33619

Facility: 25071

Odyssey Manufacturing Company
1484 Massaro Boulevard
Tampa FL 33619
United States

Result PASS**Report Date 11-AUG-2015**

Customer Name	Odyssey Manufacturing Company
Tested To	NSF/ANSI 60
Description	Ultrachlor Sodium Hypochlorite 12.5%
Trade Designation	Ultrachlor
Test Type	Annual Collection
Job Number	A-00151580
Project Number	W0147320
Project Manager	Lena Hope

This report documents the testing of the referenced product to the requirements of NSF/ANSI Standard 60 (Drinking Water Treatment Chemicals - Health Effects). This standard establishes minimum requirements for chemicals, the chemical contaminants, and impurities that are added to drinking water from drinking water treatment chemicals. Contaminants produced as by-products through reaction of the treatment chemical with a constituent of the drinking water are not covered by this Standard. Reference the "About the Standard" section at the end of this report for additional information about NSF/ANSI Standard 60 and the products covered under this Standard.

Thank you for having your product tested by NSF International.

Please contact your Project Manager if you have any questions or concerns pertaining to this report.

Report Authorization


Amanda Phelka - Director, Toxicology Services

Date 11-AUG-2015



General Information

Standard: NSF/ANSI 60
DCC Number: DA02366
Maximum Use Level: 94 mg/L
Monitor Code: A
Physical Description of Sample: Sodium Hypochlorite 12.5%
Trade Designation/Model Number: Ultrachlor

Sample Id: **S-0001178174**
Description: Ultra-Chlor | Sodium Hypochlorite 12.5%
Sampled Date: 03-Aug-2015
Received Date: 30-Jul-2015

Tox Normalization Information:		Lab Normalization Information:	
Calculated NF	0.0894	Date exposure completed	03-AUG-2015
Preparation method used	B	Final volume of solution	0.5 L
MUL	94 mg/L	Mass of material used	526 mg
Compound Reference Key:	SPAC		

Normalization Calculation:

Normalized Result = Test Result (ug/L) * NF Where NF = MUL (mg/L) * $\frac{\text{Final Volume Of Solution (L)}}{\text{Mass of Material Used (mg)}}$

- MUL = Maximum Use Level;
- Mass of Material Used = The mass of sample analyzed in the laboratory;
- Final Volume of Solution = The volume of water used to dilute the sample;
- An additional factor may be used to adjust the analytical result to field use conditions to account for product carryover, flushing, or other assumptions stipulated with the use of the product. If an additional factor is used, it is included in the information above.

Testing Parameter	Units	Sample	Control	Result	Norm. Result	Acceptance Criteria(d)	Evaluation Status
Chemistry Lab							
Arsenic	ug/L	ND(1)	ND(1)	ND(1)	ND(0.09)	1	Pass
Barium	ug/L	ND(1)	ND(1)	ND(1)	ND(0.09)	200	Pass
Beryllium	ug/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.04)	0.4	Pass
Cadmium	ug/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.02)	0.5	Pass
Chromium	ug/L	ND(1)	ND(1)	ND(1)	ND(0.09)		
Copper	ug/L	ND(1)	ND(1)	ND(1)	ND(0.09)	130	Pass
Mercury	ug/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.02)	0.2	Pass
Lead	ug/L	ND(1)	ND(1)	ND(1)	ND(0.04)	1.5	Pass
Antimony	ug/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.04)	0.6	Pass
Selenium	ug/L	ND(2)	ND(2)	ND(2)	ND(0.2)	5	Pass
Thallium	ug/L	0.3	0.3	ND(0.2)	ND(0.02)	0.2	Pass
Volatile Organic Compounds (Ref: EPA 524.2)							
Dichlorodifluoromethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
Chloromethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	3	Pass
Vinyl Chloride	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.2	Pass
Bromomethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	1	Pass
Chloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.04	Pass
Trichlorofluoromethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	50	Pass



Sample Id: S-0001178174

Testing Parameter	Units	Sample	Control	Result	Norm. Result	Acceptance Criteria(1)	Evaluation Status
Chemistry Lab (Continued)							
Trichlorotrifluoroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
Methylene Chloride	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
1,1-Dichloroethylene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.7	Pass
trans-1,2-Dichloroethylene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	10	Pass
1,1-Dichloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
2,2-Dichloropropane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
cis-1,2-Dichloroethylene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	7	Pass
Chloroform	ug/L	ND(1)	0.5	ND(1)	ND(0.09)	[TTHM]	
Bromochloromethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
1,1,1-Trichloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	20	Pass
1,1-Dichloropropene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
Carbon Tetrachloride	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
1,2-Dichloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
Trichloroethylene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
1,2-Dichloropropane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
Bromodichloromethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	[TTHM]	
Dibromomethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
cis-1,3-Dichloropropene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.2	Pass
trans-1,3-Dichloropropene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.2	Pass
1,1,2-Trichloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
1,3-Dichloropropane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
Tetrachloroethylene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
Chlorodibromomethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	[TTHM]	
Chlorobenzene	ug/L	ND(1)	0.8	ND(1)	ND(0.09)	10	Pass
1,1,1,2-Tetrachloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	1	Pass
Bromoform	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	[TTHM]	
1,1,2,2-Tetrachloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.2	Pass
1,2,3-Trichloropropane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	5	Pass
1,3-Dichlorobenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	60	Pass
1,4-Dichlorobenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	7.5	Pass
1,2-Dichlorobenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	60	Pass
Carbon Disulfide	ug/L	ND(2)	ND(1)	ND(2)	ND(0.2)	70	Pass
Methyl-tert-Butyl Ether (MTBE)	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	10	Pass
tert-Butyl ethyl ether	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	2000	Pass
Methyl Ethyl Ketone	ug/L	ND(10)	ND(5)	ND(10)	ND(0.89)	400	Pass
Methyl Isobutyl Ketone	ug/L	ND(10)	ND(5)	ND(10)	ND(0.89)	700	Pass
Toluene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	100	Pass
Ethyl Benzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	70	Pass

I20150811131202

A-00151580

Page 3 of 7

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Sample Id: S-0001178174

Testing Parameter	Units	Sample	Control	Result	Norm. Result	Acceptance Criteria (1)	Evaluation Status
Chemistry Lab (Continued)							
m+p-Xylenes	ug/L	ND(2)	ND(1)	ND(2)	ND(0.2)	[Xylenes]	
o-Xylene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	[Xylenes]	
Styrene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	10	Pass
Isopropylbenzene (Cumene)	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	400	Pass
n-Propylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
Bromobenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
2-Chlorotoluene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
4-Chlorotoluene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
1,3,5-Trimethylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
tert-Butylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	10	Pass
1,2,4-Trimethylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
sec-Butylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
p-Isopropyltoluene (Cymene)	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
1,2,3-Trimethylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
n-Butylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
1,2,4-Trichlorobenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	7	Pass
Hexachlorobutadiene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.4	Pass
1,2,3-Trichlorobenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
Naphthalene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	10	Pass
Benzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
Total Trihalomethanes	ug/L	ND(0.5)	0.5	ND(0.5)	ND(0.04)	8	Pass
Total Xylenes	ug/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.04)	1000	Pass
1 - If the acceptance criteria is blank and the evaluation status is "Fail", then the criteria used will be noted on the letter accompanying these results.							
[Xylenes] - Acceptance based on Total Xylenes							
[TTHM] - Acceptance based on Total Trihalomethanes							

Sample Id: S-0001178175

Description: Ultra-Chlor | Sodium Hypochlorite 12.5%

Sampled Date: 27-Jul-2015

Received Date: 30-Jul-2015

Quenched Date: 27-JUL-2015 12:00

Tox Normalization Information:

Calculated NF 0.000000090
MUL 94 mg/L
Density Value Applied 1.16 g/mL
Compound Reference Key: SPAC

Lab Normalization Information:

Date exposure completed 30-JUL-2015



Sample Id: S-0001178175

Normalization Calculation:

Normalized Result = Test Result * NF * (10³ ug/L mg)

Where NF = MUL (mg/L) * Malonic Acid Dilution Correction (ml/ml) * (1/Product Density (g/ml)) * $\frac{1 \text{ L}}{10^3 \text{ ml}} * \frac{1 \text{ g}}{10^3 \text{ mg}}$

- Malonic Acid Dilution Correction = ((Volume of Hypochlorite Sampled + Malonic Acid) / Volume of Hypochlorite Sampled)
- Volume of Hypochlorite Sampled = (Volume of Hypochlorite Sample Received(ml) - (Malonic Acid (g) * (1 / Density of Malonic Acid (g/ml))))
- Volume of Hypochlorite Sample Received = Volume of Hypochlorite Sampled + Malonic Acid
- Unit conversion: 1 L = 10 ml, 1 g = 10 mg;

Testing Parameter	Units	Sample	Result	Norm. Units	Norm. Result	Acceptance Criteria(1)	Evaluation Status
Chemistry Lab							
Oxyhalides in Bleach by LCMS							
Perchlorate	mg/L	ND(1)	ND(1)	ug/L	ND(0.09) ug/L	5	Pass
Chlorate	mg/L	800	800	ug/L	73 ug/L	300	
Bromate	mg/L	ND(1)	ND(1)	ug/L	ND(0.09) ug/L	3.3	Pass
1 - If the acceptance criteria is blank and the evaluation status is "Fail", then the criteria used will be noted on the letter accompanying these results.							



Common Terms and Acronyms Used:

Sample.....	Test result on the submitted product sample after prepared or exposed in accordance with the standard.
Control.....	Test result on a laboratory blank sample analyzed in parallel with the sample.
Result.....	Sample test result minus the Control test result.
Normalized Result...	Result normalized in accordance with the test standard to reflect potential at-the-tap concentrations
ND().....	Result is below the detection level of the analytical procedure as identified in the parenthesis.
DCC Number.....	NSF document control code of the registered formulation of the product tested
ug/L.....	Microgram per liter = 0.001 milligram per liter (mg/L)
SPAC.....	Acceptance criteria of the standard (Single Product Allowable Concentration)

References to Testing Procedures:

NSF Reference	Parameter / Test Description
C0931	Oxyhalides in Bleach by LCMS
C3035	Total Arsenic in Drinking Water by ICPMS (Ref: EPA 200.8)
C3038	Barium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3041	Beryllium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3046	Cadmium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3052	Chromium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3058	Copper in Drinking Water by ICPMS (Ref: EPA 200.8)
C3071	Mercury in Drinking Water by ICPMS (Ref: EPA 200.8)
C3100	Lead in Drinking Water by ICPMS (Ref: EPA 200.8)
C3113	Antimony in Drinking Water by ICPMS (Ref: EPA 200.8)
C3115	Selenium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3127	Thallium in Drinking Water by ICPMS (Ref: EPA 200.8)
C4662	Volatile Organic Compounds (Ref: EPA 524.2)

Test descriptions preceded by an asterisk "*" indicate that testing has been performed per NSF International requirements but is not within its scope of accreditation.

Testing Laboratories:

	Id	Address
All work performed at: →	NSF_AA	NSF International 789 N. Dixboro Road Ann Arbor MI 48105



About the Standard:

NSF/ANSI Standard 60: Drinking Water Treatment Chemicals - Health Effects

NSF/ANSI 60 establishes minimum health effects requirements for the chemicals, the chemical contaminants, and the impurities that are directly added to drinking water from drinking water treatment chemicals. It does not establish performance or taste and odor requirements. The standard contains requirements for chemicals that are directly added to water and are intended to be present in the finished water as well as other chemical products that are added to water but are not intended to be present in the finished water. Chemicals covered by this Standard include, but are not limited to, coagulation and flocculation chemicals, softening, precipitation, sequestering, pH adjustment, and corrosion/scale control chemicals, disinfection and oxidation chemicals, miscellaneous treatment chemicals, and miscellaneous water supply chemicals.

The testing performed to this standard is done to estimate the level of contaminants or impurities added to drinking water when the chemical is used at the "Maximum Use Level" under attestment. Prior to testing, information is obtained on the formulation and sources of supply used to manufacture the chemical. This information is then reviewed along with the minimum requirements of the standard to establish the potential contaminants of concern. A representative sample of chemical is obtained for testing. The chemical sample is prepared for analysis through specific methods established in the standard based on the type of chemical and then is analyzed for potential contaminants determined during the formulation review. The laboratory results are normalized to represent potential at-the-tap values and then compared to the "single product allowable concentration" (SPAC) established by the standard. The product is found in compliance with the standard if the normalized value is less than or equal to the allowable concentration.



NSF International

July 22, 2015

Mr. Patrick H. Allman
Odyssey Manufacturing Company
1484 Massaro Boulevard
Tampa, FL 33619

Dear Mr. Allman,

This letter acknowledges that NSF International has conducted the annual laboratory testing of Sodium Hypochlorite, manufactured by Odyssey Manufacturing Company and Certified to the NSF/ANSI Standard 60 at the Tampa, Florida facility.

Official Test Reports are available for the 2011, 2012 and 2013 calendar years. Due to a technical issue, the testing of the 2014 annual sample was not completed. We expect to complete the 2015 testing in the near future.

This product is Certified and is authorized to bear the NSF Mark. As long as Odyssey Manufacturing Company maintains this product Listing, the product will also appear in NSF's on-line Listings display at <http://www.nsf.org/Certified/PwsChemicals/> (updated daily).

This letter may be copied and distributed only in its entirety.

Sincerely,

A handwritten signature in black ink, appearing to read "Lena Hope", written over a horizontal line.

Lena Hope
Account Manager
Water Systems
NSF International
Phone: 734-913-5731
e-mail: hope@nsf.org

**NSF International**

789 N. Dixboro Rd. Ann Arbor, MI 48105, USA
1-800.NSF.MARK | +1-734.769.8010 | www.nsf.org

TEST REPORT

Send To: 25070

Mr. Patrick Allman
Odyssey Manufacturing Company
1484 Massaro Boulevard
Tampa, FL 33619

Facility: 25071

Odyssey Manufacturing Company
1484 Massaro Boulevard
Tampa FL 33619
United States

Result	PASS	Report Date	04-NOV-2013
Customer Name	Odyssey Manufacturing Company		
Tested To	NSF/ANSI 60		
Description	Sodium Hypochlorite Sodium Hypochlorite		
Trade Designation	Sodium Hypochlorite		
Test Type	Annual Collection		
Job Number	A-00126341		
Project Number	9142019 (CLA, TEA)		
Project Manager	Lena Hope		

This report documents the testing of the referenced product to the requirements of NSF/ANSI Standard 60 (Drinking Water Treatment Chemicals - Health Effects). This standard establishes minimum requirements for chemicals, the chemical contaminants, and impurities that are added to drinking water from drinking water treatment chemicals. Contaminants produced as by-products through reaction of the treatment chemical with a constituent of the drinking water are not covered by this Standard. Reference the "About the Standard" section at the end of this report for additional information about NSF/ANSI Standard 60 and the products covered under this Standard.

Thank you for having your product tested by NSF International.

Please contact your Project Manager if you have any questions or concerns pertaining to this report.

Report Authorization


Amanda Phelka - Director, Toxicology Services

Date 04-NOV-2013



General Information

Standard: NSF/ANSI 60

DCC Number: DA02366

Maximum Use Level: 12.5 mg/L

Monitor Code: A

Physical Description of Sample: Sodium Hypochlorite

Trade Designation/Model Number: Sodium Hypochlorite

Sample Id: **S-0000991374**
Description: Sodium Hypochlorite
Sampled Date: 24-Sep-2013
Received Date: 17-Sep-2013

Tox Normalization Information:

Calculated NF 0.0922
Preparation method used B
MUL 94 mg/L
Compound Reference Key: SPAC

Lab Normalization Information:

Date exposure completed 24-SEP-2013
Final volume of solution 0.5 L
Mass of material used 510 mg

Normalization Calculation:

Normalized Result = Test Result (ug/L) * NF Where NF = MUL (mg/L) * $\frac{\text{Final Volume Of Solution (L)}}{\text{Mass of Material Used (mg)}}$

- MUL = Maximum Use Level;
- Mass of Material Used = The mass of sample analyzed in the laboratory;
- Final Volume of Solution = The volume of water used to dilute the sample;
- An additional factor may be used to adjust the analytical result to field use conditions to account for product carryover, flushing, or other assumptions stipulated with the use of the product. If an additional factor is used, it is included in the information above.

Testing Parameter	Units	Sample	Control	Result	Norm Result	Acceptance Criteria(n)	Evaluation Status
Chemistry Lab							
Arsenic	ug/L	ND(1)	ND(1)	ND(1)	ND(0.09)	1	Pass
Barium	ug/L	ND(1)	ND(1)	ND(1)	ND(0.09)	200	Pass
Beryllium	ug/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.05)	0.4	Pass
Cadmium	ug/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.02)	0.5	Pass
Chromium	ug/L	ND(1)	ND(1)	ND(1)	ND(0.09)	10	Pass
Copper	ug/L	ND(1)	ND(1)	ND(1)	ND(0.09)	130	Pass
Mercury	ug/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.02)	0.2	Pass
Lead	ug/L	ND(1)	ND(1)	ND(1)	ND(0.09)	1.5	Pass
Antimony	ug/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.05)	0.6	Pass
Selenium	ug/L	ND(2)	ND(2)	ND(2)	ND(0.2)	5	Pass
Thallium	ug/L	0.2	ND(0.2)	0.2	0.02	0.2	Pass
Volatile Organic Compounds (Ref: EPA 524.2)							
Dichlorodifluoromethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
Chloromethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	3	Pass
Vinyl Chloride	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.2	Pass
Bromomethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	1	Pass
Chloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.04	Pass
Trichlorofluoromethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	50	Pass

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Sample Id: S-0000991374

Testing Parameter	Units	Sample	Control	Result	Norm. Result	Acceptance Criteria (1)	Evaluation Status
Chemistry Lab (Continued)							
Trichlorotrifluoroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
Methylene Chloride	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
1,1-Dichloroethylene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.7	Pass
trans-1,2-Dichloroethylene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	10	Pass
1,1-Dichloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
2,2-Dichloropropane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
cis-1,2-Dichloroethylene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	7	Pass
Chloroform	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	[TTHM]	
Bromochloromethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
1,1,1-Trichloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	20	Pass
1,1-Dichloropropene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
Carbon Tetrachloride	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
1,2-Dichloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
Trichloroethylene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
1,2-Dichloropropane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
Bromodichloromethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	[TTHM]	
Dibromomethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
cis-1,3-Dichloropropene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.2	Pass
trans-1,3-Dichloropropene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.2	Pass
1,1,2-Trichloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
1,3-Dichloropropane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
Tetrachloroethylene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
Chlorodibromomethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	[TTHM]	
Chlorobenzene	ug/L	2	3.8	ND(1)	ND(0.09)	10	Pass
1,1,1,2-Tetrachloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	1	Pass
Bromoform	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	[TTHM]	
1,1,2,2-Tetrachloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.2	Pass
1,2,3-Trichloropropane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	5	Pass
1,3-Dichlorobenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	60	Pass
1,4-Dichlorobenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	7.5	Pass
1,2-Dichlorobenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	60	Pass
Carbon Disulfide	ug/L	ND(2)	ND(1)	ND(2)	ND(0.2)	70	Pass
Methyl-tert-Butyl Ether (MTBE)	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	10	Pass
tert-Butyl ethyl ether	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	2000	Pass
Methyl Ethyl Ketone	ug/L	ND(10)	ND(5)	ND(10)	ND(0.9)	400	Pass
Methyl Isobutyl Ketone	ug/L	ND(10)	ND(5)	ND(10)	ND(0.9)	700	Pass
Toluene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	100	Pass
Ethyl Benzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	70	Pass

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Sample Id: S-0000991374

Testing Parameter	Units	Sample	Control	Result	Norm Result	Acceptance Criteria(1)	Evaluation Status
Chemistry Lab (Continued)							
m+p-Xylenes	ug/L	ND(2)	ND(1)	ND(2)	ND(0.2)	[Xylenes]	
o-Xylene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	[Xylenes]	
Styrene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	10	Pass
Isopropylbenzene (Cumene)	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	400	Pass
n-Propylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
Bromobenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
2-Chlorotoluene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
4-Chlorotoluene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
1,3,5-Trimethylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
tert-Butylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	10	Pass
1,2,4-Trimethylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
sec-Butylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
p-Isopropyltoluene (Cymene)	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
1,2,3-Trimethylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
n-Butylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
1,2,4-Trichlorobenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	7	Pass
Hexachlorobutadiene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.1	Pass
1,2,3-Trichlorobenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
Naphthalene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	10	Pass
Benzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
Total Trihalomethanes	ug/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.05)	8	Pass
Total Xylenes	ug/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.05)	1000	Pass
1 - If the acceptance criteria is blank and the evaluation status is "Fail", then the criteria used will be noted on the letter accompanying these results.							
[Xylenes] - Acceptance based on Total Xylenes							
[TTHM] - Acceptance based on Total Trihalomethanes							

Sample Id: S-0000991375

Description: Sodium Hypochlorite

Sampled Date: 17-Sep-2013

Received Date: 17-Sep-2013

Quenched Date: 4-SEP-2013 16:00

Tox Normalization Information:

Calculated NF 0.0000000867
MUL 94 mg/L
Density Value Applied 1.2 g/mL
Compound Reference Key: SPAC

Lab Normalization Information:

Date exposure completed 17-SEP-2013



Sample Id: S-0000991375

Normalization Calculation:

Normalized Result = Test Result * NF * (10³ ug/L mg)

Where NF = MUL (mg/L) * Malonic Acid Dilution Correction (ml/ml) * (1/Product Density (g/ml)) * $\frac{.1 \text{ L}}{10^3 \text{ ml}}$ * $\frac{1 \text{ g}}{10^3 \text{ mg}}$

- Malonic Acid Dilution Correction = ((Volume of Hypochlorite Sampled + Malonic Acid) / Volume of Hypochlorite Sampled)

- Volume of Hypochlorite Sampled = (Volume of Hypochlorite Sample Received(ml) - (Malonic Acid (g) * (1 / Density of Malonic Acid (g/ml))))

- Volume of Hypochlorite Sample Received = Volume of Hypochlorite Sampled + Malonic Acid

- Unit conversion: 1 L = 10³ ml, 1 g = 10³ mg;

Testing Parameter	Units	Sample	Result	Norm. Units	Norm. Result	Acceptance Criteria (1)	Evaluation Status
Chemistry Lab							
Oxyhalides in Bleach by LCMS							
Perchlorate	mg/L	ND(1)	ND(1)	ug/L	ND(0.09) ug/L	5	Pass
Chlorate	mg/L	480	480	ug/L	42 ug/L	200	
Bromate	mg/L	ND(1)	ND(1)	ug/L	ND(0.09) ug/L	3	Pass
1 - If the acceptance criteria is blank and the evaluation status is "Fail", then the criteria used will be noted on the letter accompanying these results.							



Common Terms and Acronyms Used:

Sample.....	Test result on the submitted product sample after prepared or exposed in accordance with the standard.
Control.....	Test result on a laboratory blank sample analyzed in parallel with the sample.
Result.....	Sample test result minus the Control test result.
Normalized Result..	Result normalized in accordance with the test standard to reflect potential at-the-tap concentrations
ND().....	Result is below the detection level of the analytical procedure as identified in the parenthesis.
DCC Number.....	NSF document control code of the registered formulation of the product tested
ug/L.....	Microgram per liter = 0.001 milligram per liter (mg/L)
SPAC.....	Acceptance criteria of the standard (Single Product Allowable Concentration)

References to Testing Procedures:

NSF Reference	Parameter / Test Description
C0931	Oxyhalides in Bleach by LCMS
C3035	Total Arsenic in Drinking Water by ICPMS (Ref: EPA 200.8)
C3038	Barium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3041	Beryllium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3046	Cadmium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3052	Chromium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3058	Copper in Drinking Water by ICPMS (Ref: EPA 200.8)
C3071	Mercury in Drinking Water by ICPMS (Ref: EPA 200.8)
C3100	Lead in Drinking Water by ICPMS (Ref: EPA 200.8)
C3113	Antimony in Drinking Water by ICPMS (Ref: EPA 200.8)
C3115	Selenium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3127	Thallium in Drinking Water by ICPMS (Ref: EPA 200.8)
C4662	Volatile Organic Compounds (Ref: EPA 524.2)

Test descriptions preceded by an asterisk "*" indicate that testing has been performed per NSF International requirements but is not within its scope of accreditation.

Testing Laboratories:

	Id	Address
All work performed at:	NSF_AA	NSF International 789 N. Dixboro Road Ann Arbor MI 48105



About the Standard:

NSF/ANSI Standard 60: Drinking Water Treatment Chemicals - Health Effects

NSF/ANSI 60 establishes minimum health effects requirements for the chemicals, the chemical contaminants, and the impurities that are directly added to drinking water from drinking water treatment chemicals. It does not establish performance or taste and odor requirements. The standard contains requirements for chemicals that are directly added to water and are intended to be present in the finished water as well as other chemical products that are added to water but are not intended to be present in the finished water. Chemicals covered by this Standard include, but are not limited to, coagulation and flocculation chemicals, softening, precipitation, sequestering, pH adjustment, and corrosion/scale control chemicals, disinfection and oxidation chemicals, miscellaneous treatment chemicals, and miscellaneous water supply chemicals.

The testing performed to this standard is done to estimate the level of contaminants or impurities added to drinking water when the chemical is used at the "Maximum Use Level" under attestation. Prior to testing, information is obtained on the formulation and sources of supply used to manufacture the chemical. This information is then reviewed along with the minimum requirements of the standard to establish the potential contaminants of concern. A representative sample of chemical is obtained for testing. The chemical sample is prepared for analysis through specific methods established in the standard based on the type of chemical and then is analyzed for potential contaminants determined during the formulation review. The laboratory results are normalized to represent potential at-the-tap values and then compared to the "single product allowable concentration" (SPAC) established by the standard. The product is found in compliance with the standard if the normalized value is less than or equal to the allowable concentration.

**NSF International**

789 N. Dixboro Rd. Ann Arbor, MI 48105, USA
1-800.NSF.MARK | +1-734.769.8010 | www.nsf.org

TEST REPORT

Send To: 25070

Mr. Patrick Allman
Odyssey Manufacturing Company
1484 Massaro Boulevard
Tampa, FL 33619

Facility: 25071

Odyssey Manufacturing Company
1484 Massaro Boulevard
Tampa FL 33619
United States

Result PASS**Report Date 28-MAR-2012**

Customer Name	Odyssey Manufacturing Company
Tested To	NSF/ANSI 60
Description	Ultrachlor Clear liquid
Trade Designation	Ultrachlor
Test Type	Annual Collection
Job Number	A-00116230
Project Number	9120157 (CLA, TEA)
Project Manager	Lena Hope

This report documents the testing of the referenced product to the requirements of NSF/ANSI Standard 60 (Drinking Water Treatment Chemicals - Health Effects). This standard establishes minimum requirements for chemicals, the chemical contaminants, and impurities that are added to drinking water from drinking water treatment chemicals. Contaminants produced as by-products through reaction of the treatment chemical with a constituent of the drinking water are not covered by this Standard. Reference the "About the Standard" section at the end of this report for additional information about NSF/ANSI Standard 60 and the products covered under this Standard.

Thank you for having your product tested by NSF International.

Please contact your Project Manager if you have any questions or concerns pertaining to this report.

Report Authorization


Clifton Mclellan - Director, Toxicology Services

Date**28-MAR-2012**

**General Information**

Standard: NSF/ANSI 60

Chemical Name: Sodium Hypochlorite

DCC Number: DA02366

Date of Manufacture: 2/24/2012

Lot Number/Product Identifier: 2/24/2012

Maximum Use Level: 94 mg/L

Monitor Code: A

Physical Description of Sample: Clear liquid

Trade Designation/Model Number: Ultrachlor

Sample Id: S-0000882116
Description: Sodium Hypochlorite
Sampled Date: 07-Mar-2012
Received Date: 28-Feb-2012

Tox Normalization Information:

Calculated NF 0.0929
Preparation method used B
MUL 94 mg/L
Compound Reference Key: SPAC

Lab Normalization Information:

Date exposure completed 07-MAR-2012
Final volume of solution 0.5 L
Mass of material used 506 mg

Normalization Calculation:

Normalized Result = Test Result (ug/L) * NF

Where NF = MUL (mg/L) $\frac{\text{Final Volume Of Solution (L)}}{\text{Mass of Material Used (mg)}}$

- MUL = Maximum Use Level;
- Mass of Material Used = The mass of sample analyzed in the laboratory;
- Final Volume of Solution = The volume of water used to dilute the sample;
- An additional factor may be used to adjust the analytical result to field use conditions to account for product carryover, flushing, or other assumptions stipulated with the use of the product. If an additional factor is used, it is included in the information above.

Testing Parameter	Units	Sample	Control	Result	Norm Result	Acceptance Criteria(1)	Evaluation Status
Chemistry Lab							
Arsenic	ug/L	ND(1)	ND(1)	ND(1)	ND(0.09)	1	Pass
Barium	ug/L	ND(1)	ND(1)	ND(1)	ND(0.09)	200	Pass
Beryllium	ug/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.05)	0.4	Pass
Cadmium	ug/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.02)	0.5	Pass
Chromium	ug/L	ND(1)	ND(1)	ND(1)	ND(0.09)	10	Pass
Copper	ug/L	ND(1)	ND(1)	ND(1)	ND(0.09)	130	Pass
Mercury	ug/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.02)	0.2	Pass
Lead	ug/L	ND(1)	ND(1)	ND(1)	ND(0.09)	1.5	Pass
Antimony	ug/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.05)	0.6	Pass
Selenium	ug/L	ND(2)	ND(2)	ND(2)	ND(0.2)	5	Pass
Thallium	ug/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.02)	0.2	Pass
Volatile Organic Compounds (Ref: EPA 524.2)							
Dichlorodifluoromethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
Chloromethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
Vinyl Chloride	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.2	Pass
Bromomethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
Chloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.04	Pass

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Sample Id: S-0000882116

Testing Parameter	Units	Sample	Control	Result	Norm Result	Acceptance Criteria(1)	Evaluation Status
Chemistry Lab (Continued)							
Trichlorofluoromethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	50	Pass
Trichlorotrifluoroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
Methylene Chloride	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
1,1-Dichloroethylene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.7	Pass
trans-1,2-Dichloroethylene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	10	Pass
1,1-Dichloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
2,2-Dichloropropane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
cis-1,2-Dichloroethylene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	7	Pass
Chloroform	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	[TTHM]	
Bromochloromethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
1,1,1-Trichloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	20	Pass
1,1-Dichloropropene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
Carbon Tetrachloride	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
1,2-Dichloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
Trichloroethylene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
1,2-Dichloropropane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
Bromodichloromethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	[TTHM]	
Dibromomethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
cis-1,3-Dichloropropene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.2	Pass
trans-1,3-Dichloropropene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.2	Pass
1,1,2-Trichloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
1,3-Dichloropropane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
Tetrachloroethylene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
Chlorodibromomethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	[TTHM]	
Chlorobenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	10	Pass
1,1,1,2-Tetrachloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	1	Pass
Bromoform	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	[TTHM]	
1,1,2,2-Tetrachloroethane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.2	Pass
1,2,3-Trichloropropane	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	5	Pass
1,3-Dichlorobenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	60	Pass
1,4-Dichlorobenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	7.5	Pass
1,2-Dichlorobenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	60	Pass
Carbon Disulfide	ug/L	ND(2)	ND(1)	ND(2)	ND(0.2)	70	Pass
Methyl-tert-Butyl Ether (MTBE)	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	10	Pass
tert-Butyl ethyl ether	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
Methyl Ethyl Ketone	ug/L	ND(10)	ND(5)	ND(10)	ND(0.9)	400	Pass
Methyl Isobutyl Ketone	ug/L	ND(10)	ND(5)	ND(10)	ND(0.9)	700	Pass
Toluene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	100	Pass

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Sample Id: S-0000882116

Testing Parameter	Units	Sample	Control	Result	Norm. Result	Acceptance Criteria(1)	Evaluation Status
Chemistry Lab (Continued)							
Ethyl Benzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	70	Pass
m+p-Xylenes	ug/L	ND(2)	ND(1)	ND(2)	ND(0.2)	[Xylenes]	
o-Xylene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	[Xylenes]	
Styrene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	10	Pass
Isopropylbenzene (Cumene)	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	400	Pass
n-Propylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
Bromobenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
2-Chlorotoluene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
4-Chlorotoluene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
1,3,5-Trimethylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
tert-Butylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	10	Pass
1,2,4-Trimethylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
sec-Butylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
p-Isopropyltoluene (Cymene)	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
1,2,3-Trimethylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
n-Butylbenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.3	Pass
1,2,4-Trichlorobenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
Hexachlorobutadiene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.1	Pass
1,2,3-Trichlorobenzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)		
Naphthalene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	10	Pass
Benzene	ug/L	ND(1)	ND(0.5)	ND(1)	ND(0.09)	0.5	Pass
Total Trihalomethanes	ug/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.05)	8	Pass
Total Xylenes	ug/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.05)	1000	Pass
- If the acceptance criteria is blank and the evaluation status is "Fail", then the criteria used will be noted on the letter accompanying these results.							
[TTHM] - Acceptance based on Total Trihalomethanes							
[Xylenes] - Acceptance based on Total Xylenes							

Sample Id: S-0000882118
Description: Sodium Hypochlorite
Sampled Date: 24-Feb-2012
Received Date: 28-Feb-2012

Tox Normalization Information:

Calculated NF 0.0000842
MUL 94 mg/L
Compound Reference Key: SPAC
Miscellaneous Factor: .000000896

Lab Normalization Information:

Date exposure completed 29-FEB-2012

Normalization Calculation:

Testing Parameter	Units	Sample	Control	Result	Norm. Result	Acceptance Criteria(1)	Evaluation Status
Chemistry Lab							

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Sample Id: S-0000882118

Testing Parameter	Units	Sample	Control	Result	Norm. Result	Acceptance Criteria(1)	Evaluation Status
Chemistry Lab (Continued)							
Oxyhalides in Bleach by LCMS							
Perchlorate	mg/L	ND(1)		ND(1)	ND(0.08)		
Bromate	mg/L	ND(1)		ND(1)	ND(0.08)	5	Pass
1 - If the acceptance criteria is blank and the evaluation status is "Fail", then the criteria used will be noted on the letter accompanying these results..							

Common Terms and Acronyms Used:

Sample.....	Test result on the submitted product sample after prepared or exposed in accordance with the standard.
Control.....	Test result on a laboratory blank sample analyzed in parallel with the sample.
Result.....	Sample test result minus the Control test result.
Normalized Result..	Result normalized in accordance with the test standard to reflect potential at-the-tap concentrations
ND().....	Result is below the detection level of the analytical procedure as identified in the parenthesis.
DCC Number.....	NSF document control code of the registered formulation of the product tested
ug/L.....	Microgram per liter = 0.001 milligram per liter (mg/L)
SPAC.....	Acceptance criteria of the standard (Single Product Allowable Concentration)

References to Testing Procedures:

NSF Reference	Parameter / Test Description
C0931	Oxyhalides in Bleach by LCMS
C3035	Total Arsenic in Drinking Water by ICPMS (Ref: EPA 200.8)
C3038	Barium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3041	Beryllium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3046	Cadmium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3052	Chromium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3058	Copper in Drinking Water by ICPMS (Ref: EPA 200.8)
C3071	Mercury in Drinking Water by ICPMS (Ref: EPA 200.8)
C3100	Lead in Drinking Water by ICPMS (Ref: EPA 200.8)
C3113	Antimony in Drinking Water by ICPMS (Ref: EPA 200.8)
C3115	Selenium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3127	Thallium in Drinking Water by ICPMS (Ref: EPA 200.8)
C4662	Volatile Organic Compounds (Ref: EPA 524.2)

Test descriptions preceded by an asterisk "*" indicate that testing has been performed per NSF International requirements but is not within its scope of accreditation.

Testing Laboratories:

	Id	Address
All work performed at:	NSF_AA	NSF International 789 N. Dixboro Road Ann Arbor MI 48105

About the Standard:**NSF/ANSI Standard 60: Drinking Water Treatment Chemicals - Health Effects**

NSF/ANSI 60 establishes minimum health effects requirements for the chemicals, the chemical contaminants, and the impurities that are directly added to drinking water from drinking water treatment chemicals. It does not establish performance or taste and odor requirements. The standard contains requirements for chemicals that are directly added to water and are intended to be present in the finished water as well as other chemical products that are added to water but are not intended to be present in the finished water. Chemicals covered by this Standard include, but are not limited to, coagulation and flocculation chemicals, softening, precipitation, sequestering, pH adjustment, and corrosion/scale control chemicals, disinfection and oxidation chemicals, miscellaneous treatment chemicals, and miscellaneous water supply chemicals.

The testing performed to this standard is done to estimate the level of contaminants or impurities added to drinking water when the chemical is used at the "Maximum Use Level" under attestation. Prior to testing, information is obtained on the formulation and sources of supply used to manufacture the chemical. This information is then reviewed along with the minimum requirements of the standard to establish the potential contaminants of concern. A representative sample of chemical is obtained for testing. The chemical sample is prepared for analysis through specific methods established in the standard based on the type of chemical and then is analyzed for potential contaminants determined during the formulation review. The laboratory results are normalized to represent potential at-the-tap values and then compared to the "single product allowable concentration" (SPAC) established by the standard. The product is found in compliance with the standard if the normalized value is less than or equal to the allowable concentration.



NSF International

Ann Arbor, MI

June 15, 2012

Mr. Patrick Allman
Odyssey Manufacturing Company
1484 Massaro Boulevard
Tampa, Florida 33619

Dear Mr. Allman:

I have attached the October 2011 test results for the NSF/ANSI Standard 60 evaluation of the Odyssey Ultrachlor 12% sodium hypochlorite solution which resulted in a Pass, meeting all requirements of NSF/ANSI Standard 60: Drinking Water Treatment Chemicals-health effects.

Please contact me at your convenience with any questions.

Sincerely,

A handwritten signature in dark ink, appearing to read "D. Purkiss".

Dave Purkiss
General Manager
Water Treatment and Distribution Systems
NSF International
Phone: +1-734-827-6855
Email: Purkiss@nsf.org