CONTRACT SUMMARY

CITY OF FORT LAUDERDALE
PROCUREMENT SERVICES DEPARTMENT

Period Covered:	**Contract No.:**	**Master Blanket:**
4/10/11 – 4/9/12	2011-004 City of Margate	N/A

Awarded Vendor:

Allied Universal Corp.
3901 NW 115 Avenue
Miami, FL 33178

Delivery: not stated
Payment Terms: Net 30

Attn: Catherine Guillarmod
305-888-2623
Fax 305-463-8369
Email: cathieg@allieduniversal.com

Insurance Coverage Required: Yes X No _
Authorized for Purchases: Under $25,000 X Over _
Extension Options: Yes X No _ Years: 1, 1 yr extensions

****

SODIUM HYDROXIDE (CAUSTIC SODA)

Delivered per truckload (min 3,500 gal)	$ 1.78 / gal
Delivered less than truckload Minimum order 400 gal	$ 2.03 / gal

****

Department Contract Co-Ordinator: Rick Johnson, Public Works, (954) 828-7865

Procurement Specialist: Robert McKenney, CPPB

THIS AGREEMENT, made and entered into this 4th day of MAY, 2011, is by and between the City of Fort Lauderdale, a Florida municipality, ("City"), whose address is 100 North Andrews Avenue, Fort Lauderdale, FL 33301-1016, and Allied Universal Corp., a Florida corporation ("Contractor" or "Company"), whose address and phone are 3901 NW 115 Avenue, Miami, FL 33178, Phone 305-888-2623, Fax: 305-463-8369.

WHEREAS, the City of Margate issued an Invitation to Bid Number 2011-004 ("ITB"), and the Contractor submitted a bid in response to the ITB; and

WHEREAS, on April 20, 2011, the City Commission of the City of Fort Lauderdale approved an agreement with Contractor for the goods or services described in the ITB (Pur-07, CAR No. 11-0482);

NOW, THEREFORE, for and in consideration of the mutual promises and covenants set forth herein and other good and valuable consideration, the City and the Contractor covenant and agree as follows:

1. The Contractor agrees to provide to the City sodium hydroxide (caustic soda) in accordance with and in strict compliance with the specifications, terms, conditions, and requirements set forth in the ITB and any and all addenda thereto beginning April 10, 2011 and ending April 9, 2012.

2. This contract form G-110 Rev. 01/10, the ITB, any and all addenda to the ITB, and the Contractor's proposal in response to the ITB are integral parts of this Contract, and are incorporated herein.

3. In the event of conflict between or among the contract documents, the order of priority shall be as follows:

First, this contract form, G-110 Rev. 01/10;
Second, any and all addenda to the City of Margate's ITB in reverse chronological order;
Third, the ITB;
Fourth, the Contractor's response to any addendum requiring a response;
Fifth, the Contractor's response to the ITB.

4. The Company warrants that the goods and services supplied to the City pursuant to this Contract shall at all times fully conform to the specifications set forth in the ITB and be of the highest quality. In the event the City, in the City's sole discretion, determines that any product or service supplied pursuant to this Contract is defective or does not conform to the specifications set forth in the ITB the City reserves the right unilaterally to cancel an order or cancel this Contract upon written notice to the Contractor, and reduce commensurately any amount of money due the Contractor.

5. The Contractor shall not present any invoice to the City that includes sales tax (85-8012514506C-7) or federal excise tax (59-6000319).

6. Contractor shall direct all invoices in duplicate for payment to Finance Department, City of Fort Lauderdale, 100 N. Andrews Avenue, 6th Floor, Fort Lauderdale, FL 33301. Any applicable discount MUST appear on the invoice.

IN WITNESS WHEREOF, the City and the Contractor execute this Contract as follows:

CITY OF FORT LAUDERDALE

By: _____
Director of Procurement Services

ATTEST

By: _____

Print Name: Atabeira Piedra

(CORPORATE SEAL)

CONTRACTOR

By: _____

Print Name: Catherine Guillarmod

Title: Executive Administrator

(If not president of corporation please attach proof of authorization to sign)

STATE OF FLORIDA:
COUNTY OF DADE:

The foregoing instrument was acknowledged before me this 2 day of May, 2011, by Catherine Guillarmod as (title): Executive Administrator for Allied Universal Corp., a Florida corporation.

(SEAL)

Tawana Houston
Notary Public, State of _____
(Signature of Notary Public)

_____
(Print, Type, or Stamp Commissioned Name of Notary Public)

Personally Known X OR Produced Identification _____
Type of Identification Produced _____

TAWANA HOUSTON
MY COMMISSION # DD 673865
EXPIRES: June 12, 2011
Bonded Thru Notary Public Underwriters

05/02/11

SCHEDULE OF BID PRICES – BID NO. 2011-004

TO: CITY COMMSSION

CITY OF MARGATE

(Please fill in all blanks and return with your proposal.)

In accordance with your request for proposals and the specifications contained herein, the undersigned proposes the following:

****

DESCRIPTION	COST
ITEM#1 TOTAL COST PER GALLON OF SODIUM HYDROXIDE DELIVERED PER TRUCKLOAD (MIN 3,500 GAL) Per Bid Specifications	$ 1.78 /GAL
ITEM#2 TOTAL COST PER GALLON OF SODIUM HYDROXIDE DELIVERED – LESS THAN TRUCKLOAD Per Bid Specifications	$ 2.03 /GAL

Minimum ordering amount 400 gals (item# 2)

AWARD SHALL BE MADE BY ITEM# **********

ALL BIDS MUST BE SIGNED WITH THE VENDOR NAME AND BY AN OFFICER OR EMPLOYEE HAVING THE AUTHORITY TO BIND THE COMPANY OR FIRM BY SIGNATURE.

MATERIAL SAFETY DATA SHEETS ENCLOSED? YES X NO_____

SPECIFICATION SHEETS/BROCHURES? YES X NO_____

HAVE YOUR INSURANCE REPRESENTATIVE REVIEW THE SAMPLE INSURANCE CERTIFICATE TO ENSURE COMPLIANCE.

WILL YOUR FIRM ACCEPT PAYMENT VIA A CITY OF MARGATE PROCUREMENT CARD?

PLEASE CIRCLE ONE YES NO

VENDOR NAME Allied Universal Corp.

or corporation to refrain from bidding and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over Owner.

To all the foregoing, and including all Bid Schedule(s) and Information Required of Bidder contained in this Bid Form, said Bidder further agrees to complete the WORK required under the Contract Documents within the Contract Time stipulated in said Contract Documents, and to accept in full payment thereof the Contract Price based on the Total Bid Price(s) named in the aforementioned Bidding Schedule(s).

NAME OF FIRM: Allied Universal Corp.

ADDRESS: 3901 NW 115 Ave.
Miami, FL 33178

NAME OF SIGNER Catherine Guillarmod
(Print or Type)

TITLE OF SIGNER Executive Administrator

SIGNATURE: Catherine Guillarmod DATE: March 14, 2011

TELEPHONE NO.: 305-888-2623 FACSIMILE NO. 305-463-8369

BID NO. 2011-004

BID PROPOSAL FORM BID NO. 2011-004

BID TO: **CITY COMMISSION**
CITY OF MARGATE

1. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with the OWNER in the form included in the Contract Documents to perform the WORK as specified or indicated in said Contract Documents entitled:

FURNISH AND DELIVER SODIUM HYDROXIDE
BID NO. 2011-004

2. Bidder accepts all of the terms and conditions of the Contract Documents, including without limitation those in the Notice Inviting Bids and Instructions to Bidders, dealing with the disposition of the Bid Security.

3. The Bid will remain open for the period stated in the Notice Inviting Bids unless otherwise required by law. Bidder will enter into an Agreement within the time and in the manner required in the Notice Inviting Bids and the Instructions to Bidders, and will furnish the insurance certificates, Payment Bond and Performance Bond required by the Contract Documents.

4. It is the Contractor's responsibility to contact the City prior to the bid opening to determine if any addenda have been issued on the project. Bidder has examined copies of all the Contract Documents including the following addenda (receipt of all of which is acknowledged):

Number One Date 03-07-11

Number _____ Date _____

Number _____ Date _____

5. Bidder has familiarized itself with the nature and extent of the Contract Documents, WORK, site, locality where the WORK is to be performed, the legal requirements (federal, state and local laws, ordinances, rules and regulations), and the conditions affecting cost, progress or performance of the WORK and has made such independent investigations as Bidder deems necessary.

6. This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid. Bidder has not solicited or induced any person, firm

REFERENCE SHEET

In order to receive Bid Award Consideration on the proposed bid, it is a required that this sheet be completed and returned with your bid/proposal. This information may be used in determining the Bid Award for this project.

BIDDER (COMPANY NAME: Allied Universal Corp.

ADDRESS: 3901 NW 115 Ave., Miami, FL 33178

CONTACT PERSON: Catherine Guillarmod TITLE: Executive Administrator

TELEPHONE: 305-888-2623 FACSIMILE: 305-463-8369

NUMBER OF YEARS IN BUSINESS: 57

ADDRESS OF NEAREST FACILITY: 8350 NW 93 Street, Medley, FL 33166

LIST THREE (3) COMPANIES OR GOVERNMENTAL AGENCIES WHERE THESE PRODUCTS OR SERVICES HAVE BEEN PROVIDED IN THE LAST YEAR.

1. Company Name: Miami Dade Water & Sewer

   Address: Miami, FL Phone: 305-520-4720

   Contact Person: Tom Segars Title: Project Manager

2. Company Name: Palm Beach County

   Address: W. Palm Beach, FL Phone: 561-616-6800

   Contact Person: Cindy Brewer Title: Purchasing

3. Company Name: Orlando Utilities Commission

   Address: Orlando, FL Phone: 407-384-4051

   Contact Person: Brad Jewell Title: Project Manager

BID NO. 2011-004

DRUG-FREE WORKPLACE PROGRAM FORM

In accordance with Section 287.087, State of Florida Statutes, preference shall be given to businesses with Drug-free Workplace Programs. Whenever two or more bids which are equal with respect to price, quality and service are received for the procurement of commodities or contractual service, a bid received from a business that certifies that it has implemented a Drug-free Workplace Program shall be given preference in the award process. In the event that none of the tied vendors have a Drug-free Workplace program in effect the City reserves the right to make final Decisions in the City's best interest. In order to have a Drug-free Workplace Program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.

3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).

4. In the statement specified in subsection (1), notify employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contenders to, any violation of Chapter 893 or of any controlled substance law of the United States of any State, for a violation occurring in the workplace no later than five (5) days after such conviction.

5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community by any employee who is convicted.

6. Make a good faith effort to continue to maintain a drug-free workplace through implementation.

If bidder's company has a Drug-free Workplace Program, so certify below:

AS THE PERSON AUTHORIZED TO SIGN THE STATEMENT, I CERTIFY THAT THIS FIRM COMPLIES FULLY WITH THE ABOVE REQUIREMENTS.

SIGNATURE OF BIDDER: Catherine Guillard DATE 3/14/11

Attached is Addendum No. 1 for Bid No. 2011-004 Furnish and Deliver Sodium Hydroxide. PleaSe acknowledge receipt of this addendum by filling out the information below and faxing it back to the Purchasing Division at 954-935-5258. The original of this form must be returned with your bid proposal.

****

I ACKNOWLEDGE RECEIPT OF ADDENDUM #1:

COMPANY NAME: Allied Universal Corp.

BIDDER'S NAME AND TITLE: Catherine Guillarmod
Executive Administrator

BIDDER'S SIGNATURE Catherine Guillarmod DATE: 3-14-11

Connie Guzzi, CPPB
Buyer I

ADDENDUM NO. 1

BID NO. 2011-004 FURNISH AND DELIVER SODIUM HYDROXIDE

Please make the following changes to the above referenced BID.

1. DELETE second page of Southeast Florida Governmental Purchasing Cooperative Group INVITATION TO BID (participating agencies)

   INSERT new second page of Southeast Florida Governmental Purchasing Cooperative Group INVITATION TO BID (participating agencies)

2. DELETE page 30
   INSERT PAGE 30A

3. DELETE page 33
   INSERT page 33A

Please sign and return the acknowledgement page of this addendum by e-mail or fax. The original acknowledgement page is to be included with your bid submittal.

There are no other changes.

BID OPENING DATE STAYS THE SAME - MARCH 17, 2011
3:00 PM

Connie Guzzi
Buyer I

EMERGENCY CONTACT NUMBERS

CORPORATE:

WORKING HOURS: (305) 888 – 2623

EMERGENCY CONTACTS (OTHER PHONE NUMBERS):

1. TODD TUCKER (VP OF OPERATIONS) — WORK (305) 888-2623, X.122, CELL (903) 987-3248
2. DAVID OSTRANDER (RISK MGMT. SPECIALIST) — WORK (305) 888-2623, X. 137, CELL (954) 261-7730
3. RON ZEIGLER (S. REGIONAL OPERATIONS MANAGER) — HOME (772) 878-4573, CELL (772) 342-1872
4. MIKE HARRIS (FLEET MAINTENANCE MANAGER) — HOME (912) 638-5498, CELL (912) 571 0704

TRANSPORTATION SECURITY ADMINISTRATION (TSA): (703) 563-3240

BRANCHES:

	HOME OR CELL PHONE NO.
MIAMI, FL (305) 888-2623	
JAMIE JOHNSON	CELL # (305) 216-4612
LEO DELEON	CELL # (305) 310-0762
JOE ISLA	CELL # (305) 525-1917
FT. PIERCE, FL (772) 464-6195	
EVELIO TORRES	CELL # (772) 201-5960
MIKE LEBEN	CELL # (772) 528-5436
TOM STRICKLAND	CELL # (772) 919-7023
TAMPA, FL (813) 832-4868	
KEN COLE	CELL # (813) 317-8470
EARL WHITE	CELL # (813) 416-8141
SKIP IVINS	CELL # (727) 514-2452
KAREN GARILLI	CELL # (813) 966 - 3635
BRUNSWICK, GA (912) 267-9470	
RANDY BUNKLEY	CELL # (912) 571 - 1697
KEN GANDY	CELL # (912) 571-2645
DIANE LAMB	CELL # (912) 230-7936
RANGER, GA (706) 334-7377	
JIM NOVAK	CELL # (423) 367-0125
NOEL CRAWLEY	CELL # (706) 264 - 6224
DONNA GRAVES	CELL # (770) 606-7141
W. MEMPHIS, AR (870) 732-3107	
JEFF SANCHEZ	CELL # (813) 263-4191
SHEROME BURTON	CELL # (901) 628-3763
ELLISVILLE, MS (601) 447-2550	
DONNIE REDD	CELL # (601) 310-9207
MARK PUGH	CELL # (601) 323-0166

12/2/2009

The Dow Chemical Company
Midland, MI 48674
U.S.A.

THE DOW CHEMICAL COMPANY
SALES SPECIFICATION

Date Printed: 22 JAN 2007

SPECIFIED MATERIAL: 00015216-S

Effective: 27 JAN 2004
Supersedes: 06 FEB 2003

NAME: Caustic Soda Solution 50%, Commercial Grade

MATERIAL DESCRIPTION:
Color: colorless
Odor: odorless
Appearance/Physical State: clear viscous liquid

Description Note:
Viscous liquid free of color and suspended material

TEST REQUIREMENTS

TEST ITEM AND CONDITION	LIMIT	UNIT	METHOD	N
ALL VALUES ARE ON ACTUAL SOLUTION BASIS				
Total Alkalinity, Net (as NaOH)	49.00-51.00	%	ASTM E291	1
Total Alkalinity, Net (as Na2O)	38.00-39.50	%	ASTM E291	2
Sodium Carbonate	0.20 Max	%	ASTM E291	3
Sodium Chloride	1.00 Max	%	DOWM 100935	
Sodium Sulfate	0.025 Max	%	ASTM E1787	4
Iron	5.0 Max	mg/kg	ASTM E291	5

TEST REQUIREMENTS NOTES:

1. Additional test method: DOWM 100508
2. Additional test method: DOWM 100508
3. Additional test method: DOWM 101442
   Additional test method: DOWM 100744
4. Additional test method: DOWM 100774
5. Additional test method: DOWM 100775

Continued on Next Page

The Dow Chemical Company
Midland, MI 48674
U.S.A.

SPECIFIED MATERIAL: 00015216-S
NAME: Caustic Soda Solution 50%, Commercial Grade

Effective: 27 JAN 2004

NOTES

1. A. This product, based on an assay concentration (as NaOH) of 48.5% - 51.5%, meets the following test requirements of the Food Chemicals Codex (FCC) 4th Edition, for Sodium Hydroxide Solution.
   Arsenic (as As) - 1.5 mg/kg maximum
   Carbonate (as Na2CO3) - 1.5% maximum
   Heavy Metals (as Pb) - 0.001% maximum
   Lead (as Pb) - 5 mg/kg maximum
   Mercury - 0.5 mg/kg maximum
   B. Based on assay (as NaOH) of 48.5 - 51.5%, this product meets the following test requirements of the Official Journal of the European Communities - Commission Directive 2000/63/EC.
   Carbonate (as Na2CO3) - 0.25% maximum
   Arsenic (as As) - 1.5 mg/kg maximum
   Lead (as Pb) - 0.25 mg/kg maximum
   Mercury (as Hg) - 0.5 mg/kg maximum
   C. Users of Dow Caustic Soda Solution in food-related applications must carefully assess this product to determine if it is suitable for their application. It cannot be assumed that products meeting the FCC and Commission Directive 2000/63/EC test requirements set forth immediately above are suitable for food uses.
   D. This product is produced using a non-mercury process. Mercury would not be anticipated to be found in the product.
   E. This material supplied by The Dow Chemical Company in North America is certified by NSF International NSF/ANSI Standard 60 Drinking Water Treatment Chemicals for use as Corrosion & Scale Control and pH Adjustment at a maximum use level of 100 mg/L.

READ PRECAUTIONARY INFORMATION AND MATERIAL SAFETY SHEETS. THIS PRODUCT IS SHIPPED IN COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS REGARDING CLASSIFICATION, PACKAGING, SHIPPING AND LABELING.

Material Safety Data Sheet
The Dow Chemical Company

Product Name: Caustic Soda Solution 50%, Commercial Grade

Issue Date: 06/22/2007
Print Date: 26 Jun 2007

The Dow Chemical Company encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

1. Product and Company Identification

Product Name
Caustic Soda Solution 50%, Commercial Grade

COMPANY IDENTIFICATION
The Dow Chemical Company
2030 Willard H. Dow Center
Midland, MI 48674
USA

Customer Information Number: 800-258-2436

EMERGENCY TELEPHONE NUMBER
24-Hour Emergency Contact: 989-636-4400
Local Emergency Contact: 989-636-4400

2. Hazards Identification

Emergency Overview
Color: Colorless
Physical State: Liquid above freezing point
Odor: Odorless
Hazards of product:

DANGER! Causes severe eye burns. Causes severe skin burns. Causes burns of the mouth and throat. Causes respiratory tract irritation. Aspiration hazard. Can enter lungs and cause damage. May react with water. Keep upwind of spill.

OSHA Hazard Communication Standard
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential Health Effects
Eye Contact: May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur. Mist may cause eye irritation.
Skin Contact: Brief contact may cause severe skin burns. Symptoms may include pain, severe local redness and tissue damage.

Skin Absorption: Prolonged skin contact is unlikely to result in absorption of harmful amounts.
Inhalation: Mist may cause severe irritation of upper respiratory tract (nose and throat).
Ingestion: Swallowing may result in burns of the mouth and throat. Swallowing may result in gastrointestinal irritation or ulceration. Aspiration into the lungs may occur during ingestion or vomiting, causing tissue damage or lung injury.

3. Composition Information

Component	CAS #	Amount
Sodium hydroxide	1310-73-2	>= 49.0 - <= 51.0 %
Water	7732-18-5	>= 49.0 - <= 51.0 %
Sodium chloride	7647-14-5	<= 1.0 %

4. First-aid measures

Eye Contact: Wash eyes immediately and continuously with water for 30 minutes. Remove contact lenses after the first 5 minutes and continue washing. Seek medical attention immediately, preferably from an ophthalmologist. Wash eyes en route if possible. Washing with water is the only acceptable method of removal of caustic soda (lye) from the eyes and skin. You may have 10 seconds or less to avoid serious permanent injury.
Skin Contact: Immediate continued and thorough washing in flowing water for at least 30 minutes is imperative while removing contaminated clothing. Prompt medical consultation is essential. Wash clothing before reuse. Properly dispose of leather items such as shoes, belts, and watchbands. Remove chemical goggles last to keep material from washing into the eyes. First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection)
Inhalation: Move person to fresh air. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc). If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.
Ingestion: Do not induce vomiting. Give one cup (8 ounces or 240 ml) of water or milk if available and transport to a medical facility. Do not give anything by mouth to an unconscious person.
Notes to Physician: Material is a strong alkali. First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection) Due to irritant properties, swallowing may result in burns/ulceration of mouth, stomach and lower gastrointestinal tract with subsequent stricture. Aspiration of vomitus may cause lung injury. Suggest endotracheal/esophageal control if lavage is done. Eye irrigation may be necessary for an extended period of time to remove as much caustic as possible. Duration of irrigation and treatment is at the discretion of medical personnel. Maintain adequate ventilation and oxygenation of the patient. For burns of skin only. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. Fire Fighting Measures

Extinguishing Media: This material does not burn. If exposed to fire from another source, use suitable extinguishing agent for that fire. Do not use water.
Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Water is not recommended, but may be applied in large quantities as a fine spray when other extinguishing agents are not available. This material does not burn. Fight fire for other material that is burning.
Special Protective Equipment for Firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire

from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.
Unusual Fire and Explosion Hazards: Product reacts with water. Reaction may produce heat and/or gases. This reaction may be violent. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.
Hazardous Combustion Products: Not applicable

6. Accidental Release Measures

Steps to be Taken if Material is Released or Spilled: Contain spilled material if possible. Small spills: Dilute with water. Large spills: Dike area to contain spill. Collect in suitable and properly labeled containers. Attempt to neutralize by adding materials such as Acetic acid. See Section 13, Disposal Considerations, for additional information.
Personal Precautions: Evacuate area. Only trained and properly protected personnel must be involved in clean-up operations. Refer to Section 7, Handling, for additional precautionary measures. Keep upwind of spill. Ventilate area of leak or spill. See Section 10 for more specific information. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.
Environmental Precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

7. Handling and Storage

Handling
General Handling: Do not get in eyes. Do not get on skin or clothing. Do not swallow. Avoid breathing mist. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. 1. ALWAYS add caustic soda solution to water with constant agitation. NEVER add water to the caustic soda solution. 2. The water should be lukewarm (27-38°C or 80-100°F). NEVER start with hot or cold water. The addition of caustic soda to liquid will cause a rise in temperature. If caustic soda becomes concentrated in one area, is added too rapidly, or is added to hot or cold liquid, a rapid temperature increase can result in DANGEROUS mists, boiling or spattering which may cause an immediate VIOLENT ERUPTION. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Storage
Keep container closed. Do not store in: Zinc. Aluminum. Brass. Tin. See Section 10 for more specific information.
Storage temperature: > 16 °C
Shelf life: Use within 24 Months

8. Exposure Controls / Personal Protection

Exposure Limits

Component	List	Type	Value
Sodium chloride	Dow IHG	TWA	10 mg/m3
Sodium hydroxide	ACGIH OSHA Table Z-1	Ceiling PEL	2 mg/m3 2 mg/m3

Personal Protection
Eye/Face Protection: Use chemical goggles. Eye wash fountain should be located in immediate work area.

Skin Protection: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task. Safety shower should be located in immediate work area. Remove contaminated clothing immediately, wash skin area with soap and water, and launder clothing before reuse or dispose of properly. Items which cannot be decontaminated, such as shoes, belts and watchbands, should be removed and disposed of properly.

Hand protection: Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Polyethylene. Neoprene. Natural rubber ("latex"). Polyvinyl chloride ("PVC" or "vinyl"). Nitrile/butadiene rubber ("nitrile" or "NBR"). Ethyl vinyl alcohol laminate ("EVAL"). Avoid gloves made of: Polyvinyl alcohol ("PVA"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Respiratory Protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. In misty atmospheres, use an approved particulate respirator. The following should be effective types of air-purifying respirators: Particulate filter.

Ingestion: Avoid ingestion of even very small amounts; do not consume or store food or tobacco in the work area; wash hands and face before smoking or eating.

Engineering Controls

Ventilation: Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

9. Physical and Chemical Properties

Physical State	Liquid above freezing point
Color	Colorless
Odor	Odorless
Flash Point - Closed Cup	*Literature* None
Flammable Limits In Air	**Lower:** Not applicable **Upper:** Not applicable
Autoignition Temperature	Not applicable
Vapor Pressure	1.5 mmHg @ 20 °C *Literature*
Boiling Point (760 mmHg)	145 °C (293 °F) *Literature* .
Vapor Density (air = 1)	Not applicable
Specific Gravity (H2O = 1)	1.52 *Literature*
Liquid Density	1.5 g/cm3 @ 20 °C *Literature*
Freezing Point	14 °C (57 °F) *Literature*
Melting Point	14 °C (57 °F) *Literature*
Solubility in Water (by weight)	*Literature* water solution
pH	14 *Literature*
Kinematic Viscosity	0.35 St @ 25 °C *Calculated*

10. Stability and Reactivity

Stability/Instability

Stable under recommended storage conditions. See Storage, Section 7.

Conditions to Avoid: Avoid moisture. Product absorbs carbon dioxide from the air.

Incompatible Materials: Heat is generated when mixed with water. Spattering and boiling can occur. Caustic soda solution reacts readily with various reducing sugars (i.e. fructose, galactose, maltose, dry whey solids) to produce CO. Take precautions including monitoring the tank atmosphere for CO to ensure safety of personnel before vessel entry. Avoid contact with: Acids. Glycols. Halogenated organics. Organic nitro compounds. Flammable hydrogen may be generated from contact with metals such as: Zinc. Aluminum. Tin. Brass.

Hazardous Polymerization
Will not occur.

Thermal Decomposition
Does not decompose.

11. Toxicological Information

Acute Toxicity
Ingestion
Single dose oral LD50 has not been determined.
Skin Absorption
The dermal LD50 has not been determined.
Repeated Dose Toxicity
Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.
Genetic Toxicology
For the major component(s): In vitro genetic toxicity studies were negative.

12. Ecological Information

CHEMICAL FATE

Data for Component: **Sodium hydroxide**

Movement & Partitioning
No bioconcentration is expected because of the relatively high water solubility. Potential for mobility in soil is very high (Koc between 0 and 50).
Partition coefficient, n-octanol/water (log Pow): -3.88 Estimated
Partition coefficient, soil organic carbon/water (Koc): 14 Estimated

Persistence and Degradability
Biodegradation is not applicable.

Data for Component: **Sodium chloride**

Movement & Partitioning
No bioconcentration is expected because of the relatively high water solubility. Potential for mobility in soil is very high (Koc between 0 and 50). Partitioning from water to n-octanol is not applicable.

Persistence and Degradability
Biodegradation is not applicable.

ECOTOXICITY

Data for Component: **Sodium hydroxide**

Material is slightly toxic to aquatic organisms on an acute basis (LC50/EC50 between 10 and 100 mg/L in the most sensitive species tested). May increase pH of aquatic systems to > pH 10 which may be toxic to aquatic organisms.

Fish Acute & Prolonged Toxicity
LC50, rainbow trout (Oncorhynchus mykiss), 96 h: 45.5 mg/l
Aquatic Invertebrate Acute Toxicity
LC50, water flea Daphnia magna: 40 - 240 mg/l

Data for Component: **Sodium chloride**

Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50 >100 mg/L in the most sensitive species tested).

Fish Acute & Prolonged Toxicity
LC50, fathead minnow (Pimephales promelas): 10,610 mg/l
Aquatic Invertebrate Acute Toxicity
LC50, water flea Daphnia magna: 4,571 mg/l
Toxicity to Micro-organisms
IC50, OECD 209 Test; activated sludge, respiration inhibition: > 1,000 mg/l

13. Disposal Considerations

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. DOW HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Recycler. As a service to its customers, Dow can provide names of information resources to help identify waste management companies and other facilities which recycle, reprocess or manage chemicals or plastics, and that manage used drums. Telephone Dow's Customer Information Group at 1-800-258-2436 or 1-989-832-1556 (U.S.), or 1-800-331-6451 (Canada) for further details.

14. Transport Information

DOT Non-Bulk
Proper Shipping Name: SODIUM HYDROXIDE SOLUTION
Hazard Class: 8 **ID Number:** UN1824 **Packing Group:** PG II

DOT Bulk
Proper Shipping Name: SODIUM HYDROXIDE SOLUTION
Hazard Class: 8 **ID Number:** UN1824 **Packing Group:** PG II

IMDG
Proper Shipping Name: SODIUM HYDROXIDE SOLUTION
Hazard Class: 8 **ID Number:** UN1824 **Packing Group:** PG II
EMS Number: F-A,S-B
Marine pollutant.: No

ICAO/IATA
Proper Shipping Name: SODIUM HYDROXIDE SOLUTION
Hazard Class: 8 **ID Number:** UN1824 **Packing Group:** PG II
Cargo Packing Instruction: 812
Passenger Packing Instruction: 808

Additional Information

Reportable quantity: 1,961 lb – SODIUM HYDROXIDE

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. Regulatory Information

OSHA Hazard Communication Standard
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

Immediate (Acute) Health Hazard	Yes
Delayed (Chronic) Health Hazard	No
Fire Hazard	No
Reactive Hazard	Yes
Sudden Release of Pressure Hazard	No

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313
To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

Pennsylvania (Worker and Community Right-To-Know Act): Pennsylvania Hazardous Substances List and/or Pennsylvania Environmental Hazardous Substance List:
The following product components are cited in the Pennsylvania Hazardous Substance List and/or the Pennsylvania Environmental Substance List, and are present at levels which require reporting.

Component	CAS #	Amount
Sodium hydroxide	1310-73-2	<= 51.0 %

Pennsylvania (Worker and Community Right-To-Know Act): Pennsylvania Special Hazardous Substances List:
To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)
This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

US. Toxic Substances Control Act
All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

European Inventory of Existing Commercial Chemical Substances (EINECS)
The components of this product are on the EINECS inventory or are exempt from inventory requirements.

CEPA - Domestic Substances List (DSL)
All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

16. Other Information

Product Literature

Additional information on this product may be obtained by calling your Dow Chemical Company sales or customer service contact. Ask for a product brochure.

Hazard Rating System

NFPA	Health	Fire	Reactivity
	3	0	1

Recommended Uses and Restrictions

Extraction of the aluminium from the bauxite ore. In the soap and detergents industry. Main application(s): Liberation of the cellulose fibres from the lignin in the pulp and paper industry.

Revision

Identification Number: 50752 / 0000 / Issue Date 06/22/2007 / Version: 2.2
Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

Legend

N/A	Not available
W/W	Weight/Weight
OEL	Occupational Exposure Limit
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
ACGIH	American Conference of Governmental Industrial Hygienists, Inc.
DOW IHG	Dow Industrial Hygiene Guideline
WEEL	Workplace Environmental Exposure Level
HAZ_DES	Hazard Designation
Action Level	A value set by OSHA that is lower than the PEL which will trigger the need for activities such as exposure monitoring and medical surveillance if exceeded.

The Dow Chemical Company urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.

SCHEDULE OF BID PRICES – BID NO. 2011-004

TO: CITY COMMSSION

CITY OF MARGATE

(Please fill in all blanks and return with your proposal.)

In accordance with your request for proposals and the specifications contained herein, the undersigned proposes the following:

****

DESCRIPTION	COST
ITEM#1 TOTAL COST PER GALLON OF SODIUM HYDROXIDE DELIVERED PER TRUCKLOAD (MIN 3,500 GAL) Per Bid Specifications	$ 2.05 /GAL
ITEM#2 TOTAL COST PER GALLON OF SODIUM HYDROXIDE DELIVERED – LESS THAN TRUCKLOAD Per Bid Specifications	$ 2.38 /GAL

Minimum ordering amount 500 gallons gals (item# 2)

AWARD SHALL BE MADE BY ITEM# **********

ALL BIDS MUST BE SIGNED WITH THE VENDOR NAME AND BY AN OFFICER OR EMPLOYEE HAVING THE AUTHORITY TO BIND THE COMPANY OR FIRM BY SIGNATURE.

MATERIAL SAFETY DATA SHEETS ENCLOSED? YES X NO____

SPECIFICATION SHEETS/BROCHURES? YES X NO____

HAVE YOUR INSURANCE REPRESENTATIVE REVIEW THE SAMPLE INSURANCE CERTIFICATE TO ENSURE COMPLIANCE.

WILL YOUR FIRM ACCEPT PAYMENT VIA A CITY OF MARGATE PROCUREMENT CARD?

PLEASE CIRCLE ONE (YES) NO

VENDOR NAME Harcros Chemicals, Inc

or corporation to refrain from bidding and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over Owner.

To all the foregoing, and including all Bid Schedule(s) and Information Required of Bidder contained in this Bid Form, said Bidder further agrees to complete the WORK required under the Contract Documents within the Contract Time stipulated in said Contract Documents, and to accept in full payment thereof the Contract Price based on the Total Bid Price(s) named in the aforementioned Bidding Schedule(s).

NAME OF FIRM: Harcros Chemicals, Inc

ADDRESS: 5132 Trenton Street, Tampa FL, 33619

NAME OF SIGNER DENNIS PAYNE
(Print or Type)

TITLE OF SIGNER Dennis Payne

SIGNATURE: Regional Manager DATE: 03/14/11

TELEPHONE NO.: 813·247·4531 FACSIMILE NO. 813·247·7917

BID NO. 2011-004