

RESOLUTION NO. 2021- 641

A RESOLUTION AUTHORIZING AN OPEN-END CONTRACT AWARD TO A STATE CONTRACT VENDOR, MORTON SALT, INC., CHICAGO, IL, FOR THE SUPPLY AND DELIVERY OF SODIUM CHLORIDE (ROCK SALT).

WHEREAS, the City of Vineland pursuant to N.J.S.A. 40A:11-12 and N.J.A.C. 5:34-7.29(c), may by resolution and without advertising for bids, purchase any goods or services under the State of New Jersey Cooperative Purchasing Program for any State contracts entered into on behalf of the State by the Division of Purchase and Property in the Department of the Treasury; and

WHEREAS, the City of Vineland intends to enter into a contract with a State Contract Vendor for Sodium Chloride (Rock Salt) for a period of three (3) years from date of award through June 30, 2024, through this resolution and properly executed contracts, which shall be subject to all the conditions applicable to the current State contracts;

WHEREAS, it has been recommended that a contract be awarded to Morton Salt, Inc., Chicago, IL (20-FLEET-01519) based upon the bid received, in an amount not to exceed \$70.48 per ton; and

WHEREAS, the maximum contract award amount is AS-NEEDED; and

WHEREAS, no amount will be encumbered until such time goods or services are ordered; and

WHEREAS, the purchase order will encumber appropriate account numbers as determined by the Chief Financial Officer; and

WHEREAS, the contract shall be contingent upon appropriation of sufficient funds by the Governing Body; and

WHEREAS, the City of Vineland has certified that this meets the statute and regulations governing the award of said contracts;

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF VINELAND, as follows:

1. THAT this contract for Sodium Chloride (Rock Salt) is awarded pursuant to N.J.S.A. 40A:11-12a and N.J.A.C. 5:34-7.29(c), under the State of New Jersey Cooperative Purchasing Program.
2. THAT the Purchasing Agent be and the same is hereby authorized to issue Purchase Orders as-needed to Morton Salt, Inc., Chicago, IL based upon the bid received for Sodium Chloride (Rock Salt) for a period of three (3) years from date of award through June 30, 2024, in an amount not to exceed \$70.48 per ton.

Adopted:

President of Council

ATTEST:

City Clerk

REQUEST FOR RESOLUTION
FOR COOPERATIVE CONTRACT AWARDS
UNDER 40A:11-12, N.J.A.C. 5:34-7.29 & LFN 2012-10
(REQUIRED FOR PURCHASES OVER \$17,500.00)



(DATE)

1. Goods or Services (detailed description): Rock Salt

2. Amount to be Awarded: \$ 70.48 per Ton

- Encumber Total Award
 Encumber by Supplemental Release

3. Budgeted: By Ordinance No. _____
Or Grant: Title & Year _____

4. **Account Number to be Charged: _____

5. Contract Period (if applicable): Upon Contract Award thru 6/30/24

6. Date to be Awarded: _____

7. Recommended Vendor and Address: Morton Salt, Inc.
123 N. Wacker Drive, 25th Floor
Chicago, IL 60606

8. Justification for Vendor Recommendation:(attach add'l information for Council review)
SEE ATTACH

Type of Contract: State National Regional County

Vendor's Cooperative Contract # 20-Flect-01519 Expires 6/30/24

9. Evaluation Performed by: Miguel A. Mercado

10. Approved by: Miguel A. Mercado, CPA

11. Attachments:

- Awarding Proposal
 Other: _____

- Send copies to:
Purchasing Department
Business Administration

**If more than one account #, provide break down

PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER
Lt. Governor

ELIZABETH MAHER MUOIO
State Treasurer

MAURICE A. GRIFFIN
Acting Director

Professional

Morton Salt

*Non-Committed Locations 4/2
Cumb. City (118)*

*70.48 or 88.48
Rock Salt / Treated Rock
Salt*

T0216 - Rock Salt, Treated Rock Salt and Solar Salt - Statewide

1.0 PURPOSE AND INTENT

The purpose of these Blanket P.O.s are to provide the supply and delivery of bulk quantities of rock salt, treated rock salt and solar salt for road de-icing, as well as bagged quantities of rock salt, solar salt for road de-icing, solar salt for water treatment and calcium chloride, to the New Jersey Department of Transportation (NJDOT) various State agencies, *quasi-State entities and the Cooperative Purchasing Program participants.

Using Agencies and Cooperative Purchasing participants that submitted a location that was in New Jersey, and was not awarded, shall utilize the awarded county price line (Price Lines 111 – 131) that corresponds with the county in which the Using Agency's or Cooperative Purchasing participant's delivery site is located. Please be advised that the Vendor {Contractor} is not obligated to honor the commitment totals if it is required for a Using Agency to utilize the county price lines.

Additionally, three (3) of these Blanket P.O.s, as noted in Section 3.0 below, will provide monthly storage services.

*Please refer to Section 3.0 for Vendors {Contractors} who extended services to the quasi-State entities and the Cooperative Purchasing Program participants.

2.0 BLANKET P.O. TERM AND EXTENSION OPTIONS

The base term of this Blanket P.O. shall be for a period of three (3) years commencing on July 1, 2021 and expiring on June 30, 2024. This Blanket P.O. may be extended up to three (3) years with no single extension exceeding one (1) year.

For more extension information please refer to Bid Solicitation Section 5.2.

3.0 VENDORS {CONTRACTORS}/BLANKET P.O. NUMBERS/MONTHLY STORAGE FEES

The following Vendors {Contractors} were awarded a Blanket P.O.:

Vendor {Contractor}	Blanket P.O. Number	Open to Cooperative Purchasing
American Rock Salt Co., LLC	20-FLEET-01522	No
Cargill Incorporated	20-FLEET-01521	No

East Coast Salt Dist.	20-FLEET-01520	Yes
Morton Salt Inc.	20-FLEET-01519	Yes

The Blanket P.O.s for the following Vendors {Contractors} contain monthly storage services:

Monthly Salt Storage Fee (for Bulk Product Only)					
Vendor (Contractor)	Monthly Storage Fee Per Ton – Bulk Rock Salt	Monthly Storage Fee Per Ton – Bulk Treated Rock Salt	Monthly Storage Fee Per Ton – Bulk Solar Salt	Monthly Storage Fee Per Ton– Bulk Treated Solar Salt	Monthly Storage Fee Per Ton– Solar Salt to be used for Water Treatment
American Rock Salt Co., LLC	\$5.00	No award.	No award.	No award.	No award.
Cargill	\$8.00	\$8.00	No award.	No award.	No award.
Morton	\$5.00	\$5.00	\$5.00	No award.	No award.

The following Vendors {Contractors} provided a Subcontractor Utilization Form requesting that the following subcontractors be added to the Blanket P.O.:

Vendor (Contractor)	Subcontractors		
American Rock Salt	Distribution Services 314 Laurel Lane New Ringgold, PA 17960	Ransom Quarry Co., Inc. 1001 Underwood Road Olyphant, PA 18447	-
Cargill	CM & Son Trucking Inc. P.O. Box 233 680 Bloomingburg Road Bloomingburg, NY 12721	Horwith Trucks Inc. 1449 Nor-Bath Blvd. Rt. 329 Northampton, PA 18067	Indian Valley Bulk Carriers 74 Ridge Road P.O. Box 200 Tylersport, 18971-0200
Morton	Eastside Bulk P.O. Box 825 Hopatcong, NJ 07843	Levari Trucking 5050 Landis Ave. Vineland, NJ 08360	Patriot Carriers 831 E. Main St Bridgewater, NJ 08807

4.0 METHOD OF OPERATION AND DOCUMENTS

Please note that throughout the Method of Operation, the following documents are referenced:

- T0213 Final Bid Solicitation
- *T0213 Bulk Product Price List
- *T0213 Bagged Product Price List
- *T0213 Monthly Storage Price List
- *T0213 Attachment 1 – NJDOT Commitment Totals and Locations
- *T0213 Attachment 2 – Quasi Commitment Totals and Locations.
- *T0213 Attachment 3 – Local Municipalities Commitment Totals and Locations

NOTE: The awarded Primary and Secondary Vendors {Contractors} are identified on the attachments titled “T0213 Bagged Product Price List” and “T0213 Bulk Product Price List.”

These documents can be found in the Blanket P.O.’s Attachments tab in *NJSTART*.

Go to: www.NJSTART.gov

Go to ‘Active Blankets Browse active Blankets’ under ‘Supplier Activities’;

At the search bar at top of page, type in the Blanket P.O. number (see above), and select 'Blankets' from the drop down menu, then click on the search icon.
Click on the Contract/Blanket #;
Select Attachments tab and select each document.

*These documents may be updated on a yearly basis. Using Agencies shall use the most recently dated version of each document.

5.0 AGENCY USE OF NET LINE BULK AND BAGGED PRODUCT:

For Using Agencies purchasing bulk and bagged product through *NJSTART*, Using Agencies will select the Blanket P.O net line that corresponds with the product category being purchased. (Example Bulk Treated Salt or Bagged Solar Salt).

For Bulk Product pricing per location, and the designated Primary and Secondary Vendors {Contractors}, all Using Agencies will reference the most recently dated attachment titled "T0213 Bulk Product Price List.", posted in *NJSTART*.

For Bagged Product pricing per location, and the designated Primary and Secondary Vendors {Contractors}, all Using Agencies will reference the most recently dated attachment titled "T0213 Bagged Product Price List.", posted in *NJSTART*.

To find the cost of the order Using Agencies will insert the Unit Price per Ton for the Bulk Product being ordered – (Example – Price Line 109 Bulk Rock Salt- \$66.72 per Ton)

Using Agencies will insert the amount of Tons required for that location – (Example – 100 Tons)

Using Agencies will multiple the Unit Price per Ton for the Bulk Product being ordered x the Amount of Tons Required

(Example \$66.72 X 100 Ton = \$6,672)

6.0 USING AGENCY & VENDOR {CONTRACTOR} MINIMUM/MAXIMUM OBLIGATIONS

As stated in Bid Solicitation Section 3.4.2.1, the NJDOT (See Attachment #1) and Quasi-State Entities (See Attachment #2) will guarantee to order and accept fifty percent (50%) of the filed requirements during each Blanket P.O. year. The Vendor {Contractor} shall, if the need arises, deliver up to one hundred and thirty percent (130%) of the filed requirements each Blanket P.O. year.

As stated in Bid Solicitation Section 3.4.2.2, Local Municipalities (See Attachment #3) will guarantee to order and accept thirty-percent (30%) of the filed requirements during each Blanket P.O. year. The Vendor {Contractor} shall, if the need arises, deliver up to one hundred and ten percent (110%) of the filed requirements each Blanket P.O. year.

As stated in Bid Solicitation Section 3.4.2.3, Using Agency minimum obligations shall apply only to the primary Vendor {Contractor}.

As stated in Bid Solicitation Section 3.4.2.4, Using Agencies and Cooperative Purchasing Participants that have not provided Commitment Totals and elect to use this term Blanket P.O. shall utilize the awarded county price line (Price Lines 111 – 131) that corresponds with the county in which the Using Agency's or Cooperative Purchasing Participant's delivery site is located.

NOTE: Using Agencies and Cooperative Purchasing Participants that submitted a location that was in New Jersey and was not awarded, shall utilize the awarded county price line (Price Lines 111 – 131) that corresponds with the county in which the Using Agency's or Cooperative Purchasing Participant's delivery site is located. Please be advised that the Vendor {Contractor} is not obligated to honor the commitment totals if it is required for a Using Agency to utilize the county price lines.

7.0 ESTIMATED USAGE QUANTITIES SUBMISSION

As stated in Bid Solicitation Section 3.4.1, Using Agencies reserve the right to adjust their estimated quantities, as deemed necessary, on a yearly basis. In the event this occurs, the Using Agency shall formally request in writing a reduction no later than March 30, prior to the next winter season. The Vendor {Contractor} shall be notified in writing, no later than April 30th, prior to the next winter season of any adjusted quantities.

All requests shall include the Using Agencies location that is being adjusted, the new commitment total, and the new guaranteed minimum.

The updated T0213 Attachment (1-3) will be posted to each Blanket P.O.s Attachment tab in *NJSTART*.

8.0 MONTHLY STORAGE AND AGENCY USE OF NET LINE FOR MONTHLY STORAGE:

For Using Agencies purchasing Monthly Storage for Bulk Product through *NJSTART*, Using Agencies will utilize the Blanket P.O. net line that corresponds with the product category being purchased. (Example Bulk Treated Salt or Bagged Solar Salt).

For Bulk Product Monthly Storage pricing, all Using Agencies will reference the most recently dated attachment titled "T0213 Monthly Storage Price List", posted in *NJSTART*.

For more information pertaining to Monthly Storage, please refer to Section 8.0 and Bid Solicitation Section 3.4.3.

Bid Solicitation Section 3.4.3 states:

3.4.3.1 By the written mutual consent of the Vendor {Contractor} and the designated Using Agency representative, the Vendor {Contractor} may store bulk product for the Using Agency, until the end of each Blanket P.O. year. In the event that the Using Agency

is not able to take its guaranteed minimum amount by the end of the Blanket P.O. year, the Vendor {Contractor} may store the undelivered portion of the Using Agency's guaranteed minimum bulk product amount. Storage fees shall only be assessed on the guaranteed bulk product quantities that are not delivered by the end of each Blanket P.O. year. The Vendor {Contractor} shall be paid for storage at the awarded monthly storage fees.

3.4.3.2 By the written mutual consent of the Vendor {Contractor} and the designated Using Agency representative, the Vendor {Contractor} may exercise the option of either selling said Using Agency's remaining balance of bulk product to be delivered at the end of each Blanket P.O. year to another government agency, or outside source, or continuing to store the bulk product for said Using Agency. If the Vendor {Contractor} elects to sell the bulk product, the Using Agency shall be released from any storage fees equivalent to the amount of bulk product sold.

9.0 EMERGENCY DELIVERY AND AGENCY USE OF NET LINE FOR EMERGENCY DELIVERY:

For Using Agencies purchasing the emergency delivery of a product through *NJSTART*, Using Agencies will utilize the Blanket P.O. net line for the product category awarded to the Vendor {Contractor}.

For Bulk Product pricing per location, and the designated Primary and Secondary Vendors {Contractors}, all Using Agencies will reference the most recently dated attachment titled "T0213 Bulk Product Price List.", posted in *NJSTART*.

For Bagged Product pricing per location, all Using Agencies will reference the most recently dated attachment titled "T0213 Bagged Product Price List.", posted in *NJSTART*.

For more information pertaining to Emergency Deliveries and the appropriate percentage increases, please refer to Section 9.0 and Bid Solicitation Section 3.5.3.

Bid Solicitation Section 3.5.3 states:

3.5.3 EMERGENCY DELIVERY

All emergency deliveries shall be requested by written order or verbal notification by a designated Using Agency representative. Verbal notification shall be followed by written order within twenty four (24) hours of verbal notification.

All regular or emergency deliveries shall be confirmed by the designated Using Agency representative. Confirmation may include the signed weight slip or other means of written communication.

3.5.3.1 EMERGENCY DELIVERY – PORT AUTHORITY OF NEW YORK AND NEW JERSEY

All deliveries to the following locations shall be considered emergency deliveries:

- John F. Kennedy International Airport;
- LaGuardia Airport; and
- Newark Liberty International Airport.

The Vendor {Contractor} shall make deliveries to these locations within forty-eight (48) hours after receipt of order.

Emergency deliveries completed in one (1) day shall be entitled to a five percent (5%) mark-up of the total delivered amount.

A Blanket P.O. line will be awarded to all proposed awardees under their Blanket P.O. for this emergency delivery percentage markup.

3.5.3.2 EMERGENCY DELIVERY - NJDOT

3.5.3.2.1 The Vendor {Contractor} shall designate, a minimum of, two (2) dedicated representatives who will be available to assist with emergency orders, scheduling deliveries and trouble shooting.

3.5.3.2.2 The NJDOT designated Using Agency representative reserves the right to determine when an emergency exists that requires an emergency delivery.

3.5.3.2.3 For all emergency deliveries, the NJDOT shall accept deliveries outside of the normal working hours, provided that the Vendor {Contractor} coordinates a daily delivery schedule with the designated using agency representative.

3.5.3.2.4 Critical needs shall be defined by the NJDOT when the statewide balance of salt falls below seventy (70) percent.

A Blanket P.O. line will be awarded to all proposed awardees under their Blanket P.O. for this emergency delivery percentage markup.

3.5.3.2 EMERGENCY DELIVERIES – COMPENSATION

3.5.3.3.1 Except for the locations and related price lines identified in Bid Solicitation Section 3.5.3.1 above, in the event the Vendor {Contractor} is required to make emergency deliveries to any other location, the Vendor {Contractor} shall be compensated as follows:

- Emergency deliveries completed in one (1) day shall be entitled to a five percent (5%) mark-up of the total delivered amount;
- Emergency deliveries completed in two (2) days shall be entitled to a three percent (3%) mark-up of the total delivered amount; and

- Emergency deliveries completed in three (3) days shall be entitled to a one percent (1%) mark-up of the total delivered amount.

3.5.3.3.2 The Vendor {Contractor} shall be compensated only after submitting a properly executed invoice along with supporting documentation (i.e. written documentation requesting the emergency delivery and written confirmation of receipt of the emergency delivery, such as a signed weight slip or other written documentation).

10.0 DELETING A DELIVERY LOCATION

As stated in Bid Solicitation Section 3.4.6.1, the State reserves the right to remove a delivery location during the term of this Blanket P.O., including any extensions thereof. State Using Agency delivery locations shall be removed upon written approval by the Director.

As stated in Bid Solicitation Section 3.4.6.2, Using Agencies who have committed totals and require a delivery location deletion shall formally request in writing a delivery location deletion no later than March 30, prior to the next winter season.

NOTE: Using Agencies that have committed totals and request to delete locations of a current delivery location remain obligated to satisfy the agreed upon commitment totals for the previous winter prior to any change.

For more information please refer to Bid Solicitation Section 3.4.6 in its entirety.

11.0 MOVING A DELIVERY LOCATION

As stated in Bid Solicitation Section 3.4.6.3, Using Agencies that have committed totals and require a delivery address change within a five (5) miles radius of their current delivery location shall be permitted to do so and remain with the Vendor {Contractor} that is awarded their current delivery location.

As stated in Bid Solicitation Section 3.4.6.4 Using Agencies that have committed totals and require a delivery address change in excess of a five (5) miles radius of their current delivery location shall utilize the awarded county price line (Price Lines 111 – 131) that corresponds with the county in which the Using Agency's delivery site is located.

NOTE: Using Agencies that have committed totals and request to change the address of a current delivery location remain obligated to satisfy the agreed upon commitment totals for the previous winter prior to any change.

For more information please refer to Bid Solicitation Section 3.4.6 in its entirety.

12.0 CONTACT INFORMATION

Donald Warren, Procurement Specialist
Department of the Treasury – Division of Purchase
and Property

Phone: (609) 292- 4867
Email: Donald.Warren@treas.nj.gov

Blanket P.O. 20-FLEET-01522

American Rock Salt Co., LLC
Contact: Jamie McClain
Phone: 888-762-7258
Email: customerservice@americanrocksalt.com

Blanket P.O. 20-FLEET-01521

Cargill Incorporated
Contact: Customer Care
Phone: 800-600-7258
Email: Salt_CustomerCareRoadSafety@Cargill.com

Blanket P.O. 20-FLEET-01520

East Coast Salt Dist.
Contact: Amanda Sliney
Phone: 732-833-2973
Email: orders@eastcoastsalt.com

Blanket P.O. 20-FLEET-01519

Morton Salt Inc.
Contact: Na-Tia Douglas
Phone: 1-312-807-2384
Email: NDouglas@mortonsalt.com

3.0 SCOPE OF WORK – REQUIREMENTS OF THE VENDOR {CONTRACTOR}

3.1 BLANKET P.O. UTILIZATION

This Bid Solicitation has been developed to establish a term Blanket P.O. to supply, deliver and when required, store, the following types of products:

- Bulk rock salt;
- Bulk rock salt, treated;
- Bulk solar salt for road de-icing;
- Bulk solar salt for road de-icing, treated;
- Bulk solar salt for water treatment
- Bagged rock salt
- Bagged solar salt for road de-icing;
- Bagged solar salt for water treatment; and
- Bagged Calcium Chloride.

The State guarantees neither any average or maximum quantity per order nor total quantity during Blanket P.O. term, including any extension(s) thereof.

The Vendor {Contractor} must have adequate facilities for the handling, material stockpiling (including any optional storage services offered as per Bid Solicitation Section 3.4.3), weighing, and billing of roadway salts.

3.2 SALT SPECIFICATIONS

3.2.1 ROCK SALT – BULK

Bulk rock salt shall conform to ASTM-D-632, Type I, Grade I, with the following supplemental conditions:

- Anti-caking Agent: The rock salt shall arrive at each delivery location in bulk and in a free-flowing, lump-free condition. The bulk rock salt must also be treated with a sufficient amount of anti-caking compound to increase outside storage capabilities. The quantity of the anti-caking agent, YPS (Yellow Prussiate of Soda) or NJDOT approved substitute, shall be in the range of 0.1 to 0.2 pounds per ton, or 50 ppm to 100 ppm. The Vendor {Contractor} shall ensure a consistent thorough mix of the anti-caking agent throughout the bulk rock salt.
- Bulk rock salt, provided under this Bid Solicitation, shall not be less than 95% sodium chloride.
- Bulk rock salt shall contain, at the time of delivery, a maximum of one (1) percent moisture when dried at 230 plus or minus 9 degrees F (110 plus or minus 5 degrees C) to constant weight. The percentage of moisture content of the delivered bulk rock salt will be determined by NJDOT.

Bulk rock salt represented by samples containing moisture of less than one (1) percent will be accepted. Bulk rock salt represented by samples containing moisture between 1 percent and two (2) percent may be accepted, at the sole discretion of NJDOT, and will be subject to a deduction of two (2) percent of the delivered price for each 0.5 percent (or fraction thereof) of moisture in excess of one (1) percent as determined by NJDOT. Deductions for moisture exceeding one (1) percent will be taken on all deliveries received from the sampled location the day of the sampling.

- The clay size fraction of the insoluble residue shall not exceed one (1) percent of the total rock salt material. The percentage of clay shall be determined by the NJDOT's test

procedure "determination of clay size material in rock salt."

3.2.2 ROCK SALT - BAGGED

Bagged rock salt shall conform to ASTM-D-632, Type I, Grade I, with the following supplemental conditions:

- Anti-caking Agent: The bagged rock salt must also be treated with a sufficient amount of anti-caking compound to increase outside storage capabilities. The quantity of the anti-caking agent, YPS (Yellow Prussiate of Soda) or NJDOT approved substitute, shall be in the range of 0.1 to 0.2 pounds per ton, or 50 ppm to 100 ppm. The Vendor {Contractor} shall ensure a consistent thorough mix of the anti-caking agent throughout the bagged rock salt.
- Bagged rock salt, provided under this Bid Solicitation, shall not be less than 95% sodium chloride
- Bagged rock salt shall contain at the time of delivery a maximum of 0.5 percent moisture when dried at 105 degrees Celsius (221 degree Fahrenheit) to constant weight.
- The clay size fraction of the insoluble residue shall not exceed one (1) percent of the total rock salt material. The percentage of clay shall be determined by the NJDOT's test procedure "determination of clay size material in rock salt."
- Bagged products shall be provided in minimum forty (40) pound bags.

3.2.2.1 CHEMICAL COMPOSITION

Bagged rock salt when dried as specified above shall also conform to the following grading requirements as determined by laboratory sieves.

Total Passing Percent	
Sieves	Percentage Range
½ inch Mesh	100
3/8 inch Mesh	95 - 100
4 Mesh	20 - 90
8 Mesh	10 - 60
30 Mesh	0 - 15

The sieve analysis shall be in accordance with the most current provisions of AASHTO Designation T27.

3.2.3 SOLAR SALT FOR ROAD DE-ICING - BULK

Bulk solar salt for road de-icing use shall conform to ASTM D632, Type I, Grade I, with the following supplemental conditions:

- Anti-caking Agent: The solar salt shall arrive at each delivery location in bulk and in a free-flowing, lump-free condition. This material must also be treated with a sufficient amount of anti-caking compound to increase outside storage capabilities. The quantity of the anti-caking agent, YPS (Yellow Prussiate of Soda) or approved substitute, used shall be in the range of 0.1 to 0.2 pounds per ton, or 50 ppm to 100 ppm. The Vendor {Contractor} shall ensure a consistent thorough mix of the anti-caking agent throughout the bulk solar salt.
- Bulk solar salt, provided under this Bid Solicitation, shall not be less than 99% sodium chloride.

- Bulk solar salt shall contain, at the time of delivery, a maximum of 2.5 percent moisture when dried at 230 plus or minus 9 degrees F (110 plus or minus 5 degrees C) to constant weight. The percentage of moisture content of the delivered solar salt will be determined by NJDOT.
- Bulk solar salt represented by samples containing moisture of less than 2.5 percent will be accepted. Bulk solar salt represented by samples containing moisture between 2.5 percent and 3.5 percent may be accepted, at the sole discretion of NJDOT, and will be subject to a deduction of 2 percent of the delivered price for each 0.5 percent (or fraction thereof) of moisture in excess of one (1) percent as determined by NJDOT. Bulk solar salt exceeding 3.5 percent moisture will not be accepted. Deductions for moisture exceeding 2.5 percent will be taken on all deliveries received from the sampled location the day of the sampling.
- The clay size fraction of the insoluble residue shall not exceed 1 percent of the total salt material. The percentage of clay shall be determined by the NJDOT's test procedure "determination of clay size material in solar salt."

3.2.4 SOLAR SALT FOR ROAD DE-ICING – BAGGED

Bagged solar salt for road de-icing use shall conform to ASTM D632, Type I, Grade I, with the following supplemental conditions:

- Bagged solar salt, provided under this Bid Solicitation, shall not be less than 99% sodium chloride.
- Bagged solar salt shall contain, at the time of delivery, a maximum of 2.5 percent moisture when dried at 230 plus or minus 9 degrees F (110 plus or minus 5 degrees C) to constant weight. The percentage of moisture content of the delivered bagged solar salt will be determined by NJDOT.
- Bagged solar salt represented by samples containing moisture of less than 2.5 percent will be accepted. Bagged solar salt represented by samples containing moisture between 2.5 percent and 3.5 percent may be accepted, at the sole discretion of NJDOT, and will be subject to a deduction of 2 percent of the delivered price for each 0.5 percent (or fraction thereof) of moisture in excess of one (1) percent as determined by NJDOT. Bagged solar salt exceeding 3.5 percent moisture will not be accepted. Deductions for moisture exceeding 2.5 percent will be taken on all deliveries received from the sampled location the day of the sampling.
- The clay size fraction of the insoluble residue shall not exceed 1 percent of the total salt material. The percentage of clay shall be determined by the NJDOT's test procedure "determination of clay size material in solar salt."
- Bagged products shall be provided in minimum forty (40) pound bags.

3.2.5 CALCIUM CHLORIDE "PELADOW" BRAND OR APPROVED EQUAL - BAGGED

All calcium chloride shall be in compliance with current OSHA Regulations and must meet or exceed ASTM D98 - 15 and AASHTO M144 requirements for Calcium Chloride.

The Calcium Chloride shall be comprised of the following basic physical and chemical characteristics:

Calcium Chloride	Minimum 90%
Appearance	White to off white, solid pellets
Odor	Odorless

Bagged products shall be provided in minimum forty (40) pound bags.

3.2.6 TREATED SALT

Treated salt is a mixture of bulk rock salt or bulk solar salt (as specified above) blended with a Pacific Northwest Snowfighters (PNS) / Clear Roads approved liquid agent for anti-icing use.

Please see the following link: <https://clearroads.org/qualified-product-list/> for all liquid anti-icing agents approved for use.

Properly stored treated salt (covered or inside) shall not have objectionable leaching or separation of components to the extent that such conditions produce adverse effects in the handling or usage of the product or routine maintenance of the storage facility.

The Vendor {Contractor} shall supply the designated Using Agency representative with the specifications of the liquid product used in its treated salt.

3.2.6.1 TREATED SALT TESTING

At its discretion, the Using Agency may test and inspect the treated salt from the Vendor's {Contractor's} stockpile prior to delivery.

Upon delivery and at the discretion of the designated Using Agency representative, all deliveries of the treated salt shall be subject to final inspection.

When inspected at the delivery location, the treated salt shall conform to the specifications listed in this Bid Solicitation and be subject to the following modifications:

- Any delivered treated salt that fails to meet specification requirements may be rejected, by the designated Using Agency representative. If the urgency of circumstances makes it necessary, the Using Agency may accept the salt and negotiate a reduced payment with the Vendor {Contractor}.

Treated salt that is rejected and not used shall be removed by the Vendor {Contractor} and immediately replaced with a product that conforms to the specification at no additional cost to the Using Agency.

3.2.7 SOLAR SALT FOR WATER TREATMENT – BULK AND BAGGED

Solar Salt for water softening units shall conform to the latest version of the February 21, 2013 Federal Specification A-A-694E, Type II, Form 2.

Please see the following link: <http://chemicals.emilspec.com/A-A-694/index.html>

Bagged products shall be provided in minimum forty (40) pound bags.