



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at wvOASIS.gov. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at WVPurchasing.gov with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 15

General Information | [Contact](#) | [Default Values](#) | [Discount](#) | [Document Information](#) | [Clarification Request](#)**Procurement Folder:** 916851**Procurement Type:** Central Master Agreement**Vendor ID:** 000000106924 **Legal Name:** AMERICAN ROCK SALT HOLDINGS LLC**Alias/DBA:****Total Bid:** \$0.00**Response Date:** 08/18/2021 **Response Time:** 12:36**Responded By User ID:** ARSCLLC **First Name:** Michele**Last Name:** Booher**Email:** customerservice@ameri**Phone:** 8887627258**SO Doc Code:** CRFQ**SO Dept:** 0803**SO Doc ID:** DOT2200000027**Published Date:** 8/12/21**Close Date:** 8/19/21**Close Time:** 13:30**Status:** Closed**Solicitation Description:** ADDENDUM NO_1 SODIUM CHLORIDE - ROADWAY SALT
Total of Header Attachments: 15**Total of All Attachments:** 15



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**State of West Virginia
 Solicitation Response**

Proc Folder: 916851
Solicitation Description: ADDENDUM NO_1 SODIUM CHLORIDE - ROADWAY SALT 6621C062
Proc Type: Central Master Agreement

Solicitation Closes	Solicitation Response	Version
2021-08-19 13:30	SR 0803 ESR08182100000001151	1

VENDOR
 000000106924
 AMERICAN ROCK SALT HOLDINGS LLC

Solicitation Number: CRFQ 0803 DOT2200000027
Total Bid: 0
Response Date: 2021-08-18
Response Time: 12:36:35
Comments:

FOR INFORMATION CONTACT THE BUYER
 John W Estep
 304-558-2566
 john.w.estep@wv.gov

Vendor Signature X **FEIN#** **DATE**

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	SODIUM CHLORIDE - ROADWAY SALT	0.00000	TON	0.000000	0.00

Comm Code	Manufacturer	Specification	Model #
46161506			

Commodity Line Comments:

Extended Description:

SODIUM CHLORIDE - ROADWAY SALT - PER THE ATTACHED PRICING PAGES

INSTRUCTIONS TO VENDORS SUBMITTING BIDS

1. REVIEW DOCUMENTS THOROUGHLY: The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.

2. MANDATORY TERMS: The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.

3. PREBID MEETING: The item identified below shall apply to this Solicitation.

A pre-bid meeting will not be held prior to bid opening

A **MANDATORY PRE-BID** meeting will be held at the following place and time:

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one individual is permitted to represent more than one vendor at the pre-bid meeting. Any individual that does attempt to represent two or more vendors will be required to select one vendor to which the individual's attendance will be attributed. The vendors not selected will be deemed to have not attended the pre-bid meeting unless another individual attended on their behalf.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing.

Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in but are charged with knowing all matters discussed at the pre-bid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting
Revised 07/01/2021

are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

4. VENDOR QUESTION DEADLINE: Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions must be submitted on or before the date listed below and to the address listed below to be considered. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are nonbinding.

Submitted e-mails should have solicitation number in the subject line.

Question Submission Deadline: August 10, 2021 by 10:00am

Submit Questions to: John Estep
2019 Washington Street, East
Charleston, WV 25305
Fax: (304) 558-4115 (Vendors should not use this fax number for bid submission)
Email: john.w.estep@wv.gov

5. VERBAL COMMUNICATION: Any verbal communication between the Vendor and any State personnel is not binding, including verbal communication at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.

6. BID SUBMISSION: All bids must be submitted electronically through wvOASIS or signed and delivered by the Vendor to the Purchasing Division at the address listed below on or before the date and time of the bid opening. Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason. The Purchasing Division will not accept bids, modification of bids, or addendum acknowledgment forms via e-mail. Acceptable delivery methods include electronic submission via wvOASIS, hand delivery, delivery by courier, or facsimile.

The bid delivery address is:
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

A bid that is not submitted electronically through wvOASIS should contain the information listed below on the face of the envelope or the bid may be rejected by the Purchasing Division.:

SEALED BID:	Sodium Chloride - Roadway Salt 6621C062
BUYER:	John Estep
SOLICITATION NO.:	CRFQ 0803 DOT2200000027
BID OPENING DATE:	August 19, 2021
BID OPENING TIME:	1:30 PM
FAX NUMBER:	304-558-3970

Revised 07/01/2021

The Purchasing Division may prohibit the submission of bids electronically through wvOASIS at its sole discretion. Such a prohibition will be contained and communicated in the wvOASIS system resulting in the Vendor's inability to submit bids through wvOASIS. Submission of a response to a Request for Proposal is not permitted in wvOASIS.

For Request For Proposal ("RFP") Responses Only: In the event that Vendor is responding to a request for proposal, the Vendor shall submit one original technical and one original cost proposal prior to the bid opening date and time identified in Section 7 below, plus _____ convenience copies of each to the Purchasing Division at the address shown above. Additionally, the Vendor should clearly identify and segregate the cost proposal from the technical proposal in a separately sealed envelope.

7. BID OPENING: Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when confirmation of delivery is provided by wvOASIS (in the case of electronic submission) or when the bid is time stamped by the official Purchasing Division time clock (in the case of hand delivery).

Bid Opening Date and Time: August 19, 2021 @ 1:30 pm

Bid Opening Location: Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

8. ADDENDUM ACKNOWLEDGEMENT: Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

9. BID FORMATTING: Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.

10. ALTERNATE MODEL OR BRAND: Unless the box below is checked, any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.

This Solicitation is based upon a standardized commodity established under W. Va. Code § 5A-3-61. Vendors are expected to bid the standardized commodity identified. Failure to bid the standardized commodity will result in your firm's bid being rejected.

11. EXCEPTIONS AND CLARIFICATIONS: The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.

12. COMMUNICATION LIMITATIONS: In accordance with West Virginia Code of State Rules §148-1-6.6, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.

13. REGISTRATION: Prior to Contract award, the apparent successful Vendor must be properly registered with the West Virginia Purchasing Division and must have paid the \$125 fee, if applicable.

14. UNIT PRICE: Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.

15. PREFERENCE: Vendor Preference may be requested in purchases of motor vehicles or construction and maintenance equipment and machinery used in highway and other infrastructure projects. Any request for preference must be submitted in writing with the bid, must specifically identify the preference requested with reference to the applicable subsection of West Virginia Code § 5A-3-37, and must include with the bid any information necessary to evaluate and confirm the applicability of the requested preference. A request form to help facilitate the request can be found at:

<http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf>.

15A. RECIPROCAL PREFERENCE: The State of West Virginia applies a reciprocal preference to all solicitations for commodities and printing in accordance with W. Va. Code § 5A-3-37(b). In effect, non-resident vendors receiving a preference in their home states, will see that same preference granted to West Virginia resident vendors bidding against them in West Virginia. Any request for reciprocal preference must include with the bid any information necessary to evaluate and confirm the applicability of the preference. A request form to help facilitate the request can be found at: <http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf>.

16. SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES: For any solicitations publicly advertised for bid, in accordance with West Virginia Code §5A-3-37(a)(7) and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the same preference made available to any resident vendor. Any non-resident small, women-owned, or minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to contract award to receive the preferences made available to resident vendors. Preference

for a non-resident small, women-owned, or minority owned business shall be applied in accordance with W. Va. CSR § 148-22-9.

17. WAIVER OF MINOR IRREGULARITIES: The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.6.

18. ELECTRONIC FILE ACCESS RESTRICTIONS: Vendor must ensure that its submission in wvOASIS can be accessed and viewed by the Purchasing Division staff immediately upon bid opening. The Purchasing Division will consider any file that cannot be immediately accessed and viewed at the time of the bid opening (such as, encrypted files, password protected files, or incompatible files) to be blank or incomplete as context requires, and are therefore unacceptable. A vendor will not be permitted to unencrypt files, remove password protections, or resubmit documents after bid opening to make a file viewable if those documents are required with the bid. A Vendor may be required to provide document passwords or remove access restrictions to allow the Purchasing Division to print or electronically save documents provided that those documents are viewable by the Purchasing Division prior to obtaining the password or removing the access restriction.

19. NON-RESPONSIBLE: The Purchasing Division Director reserves the right to reject the bid of any vendor as Non-Responsible in accordance with W. Va. Code of State Rules § 148-1-5.3, when the Director determines that the vendor submitting the bid does not have the capability to fully perform or lacks the integrity and reliability to assure good-faith performance.”

20. ACCEPTANCE/REJECTION: The State may accept or reject any bid in whole, or in part in accordance with W. Va. Code of State Rules § 148-1-4.5. and § 148-1-6.4.b.”

21. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor’s entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled “confidential,” “proprietary,” “trade secret,” “private,” or labeled with any other claim against public disclosure of the documents, to include any “trade secrets” as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

22. INTERESTED PARTY DISCLOSURE: West Virginia Code § 6D-1-2 requires that the vendor submit to the Purchasing Division a disclosure of interested parties to the contract for all contracts with an actual or estimated value of at least \$1 million. That disclosure must occur on the form prescribed and approved by the WV Ethics Commission prior to contract award.

A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

23. WITH THE BID REQUIREMENTS: In instances where these specifications require documentation or other information with the bid, and a vendor fails to provide it with the bid, the Director of the Purchasing Division reserves the right to request those items after bid opening and prior to contract award pursuant to the authority to waive minor irregularities in bids or specifications under W. Va. CSR § 148-1-4.6. This authority does not apply to instances where state law mandates receipt with the bid.

24. E-MAIL NOTIFICATION OF AWARD: The Purchasing Division will attempt to provide bidders with e-mail notification of contract award when a solicitation that the bidder participated in has been awarded. For notification purposes, bidders must provide the Purchasing Division with a valid email address in the bid response. Bidders may also monitor wvOASIS or the Purchasing Division's website to determine when a contract has been awarded.

GENERAL TERMS AND CONDITIONS:

1. CONTRACTUAL AGREEMENT: Issuance of an Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance by the State of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid, or on the Contract if the Contract is not the result of a bid solicitation, signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.

2. DEFINITIONS: As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.

2.1. "Agency" or "Agencies" means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.

2.2. "Bid" or "Proposal" means the vendors submitted response to this solicitation.

2.3. "Contract" means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.

2.4. "Director" means the Director of the West Virginia Department of Administration, Purchasing Division.

2.5. "Purchasing Division" means the West Virginia Department of Administration, Purchasing Division.

2.6. "Award Document" means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.

2.7. "Solicitation" means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

2.8. "State" means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.

2.9. "Vendor" or "Vendors" means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. CONTRACT TERM; RENEWAL; EXTENSION: The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

Term Contract

Initial Contract Term: This Contract becomes effective on award and the initial contract term extends until one (1) year from the effective date.

Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be delivered to the Agency and then submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Unless otherwise specified below, renewal of this Contract is limited to three (3) successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed the total number of months available in all renewal years combined. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

Alternate Renewal Term – This contract may be renewed for _____ successive _____ year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

Delivery Order Limitations: In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

Fixed Period Contract: This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within _____ days.

Fixed Period Contract with Renewals: This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within _____ days. Upon completion of the work covered by the preceding sentence, the vendor agrees that maintenance, monitoring, or warranty services will be provided for _____ year(s) thereafter.

One Time Purchase: The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

Other: See attached _____
Revised 07/01/2021

4. AUTHORITY TO PROCEED: Vendor is authorized to begin performance of this contract on the date of encumbrance listed on the front page of the Award Document unless either the box for “Fixed Period Contract” or “Fixed Period Contract with Renewals” has been checked in Section 3 above. If either “Fixed Period Contract” or “Fixed Period Contract with Renewals” has been checked, Vendor must not begin work until it receives a separate notice to proceed from the State. The notice to proceed will then be incorporated into the Contract via change order to memorialize the official date that work commenced.

5. QUANTITIES: The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.

Open End Contract: Quantities listed in this Solicitation/Award Document are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.

Service: The scope of the service to be provided will be more clearly defined in the specifications included herewith.

Combined Service and Goods: The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.

One Time Purchase: This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General’s office.

6. EMERGENCY PURCHASES: The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute of breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.

7. REQUIRED DOCUMENTS: All of the items checked below must be provided to the Purchasing Division by the Vendor as specified below.

BID BOND (Construction Only): Pursuant to the requirements contained in W. Va. Code § 5-22-1(c), All Vendors submitting a bid on a construction project shall furnish a valid bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. The bid bond must be submitted with the bid.

PERFORMANCE BOND: The apparent successful Vendor shall provide a performance bond in the amount of 100% of the contract. The performance bond must be received by the Purchasing Division prior to Contract award.

LABOR/MATERIAL PAYMENT BOND: The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be delivered to the Purchasing Division prior to Contract award.

In lieu of the Bid Bond, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of a bond must be of the same amount and delivered on the same schedule as the bond it replaces. A letter of credit submitted in lieu of a performance and labor/material payment bond will only be allowed for projects under \$100,000. Personal or business checks are not acceptable. Notwithstanding the foregoing, West Virginia Code § 5-22-1 (d) mandates that a vendor provide a performance and labor/material payment bond for construction projects. Accordingly, substitutions for the performance and labor/material payment bonds for construction projects is not permitted.

MAINTENANCE BOND: The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award.

LICENSE(S) / CERTIFICATIONS / PERMITS: In addition to anything required under the Section of the General Terms and Conditions entitled Licensing, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits upon request and in a form acceptable to the State. The request may be prior to or after contract award at the State's sole discretion.

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications regardless of whether or not that requirement is listed above.

8. INSURANCE: The apparent successful Vendor shall furnish proof of the insurance identified by a checkmark below and must include the State as an additional insured on each policy prior to Contract award. The insurance coverages identified below must be maintained throughout the life of this contract. Thirty (30) days prior to the expiration of the insurance policies, Vendor shall provide the Agency with proof that the insurance mandated herein has been continued. Vendor must also provide Agency with immediate notice of any changes in its insurance policies, including but not limited to, policy cancelation, policy reduction, or change in insurers. The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether that insurance requirement is listed in this section.

Vendor must maintain:

- Commercial General Liability Insurance** in at least an amount of: \$1,000,000.00 per occurrence.
- Automobile Liability Insurance** in at least an amount of: _____ per occurrence.
- Professional/Malpractice/Errors and Omission Insurance** in at least an amount of: _____ per occurrence. Notwithstanding the forgoing, Vendor's are not required to list the State as an additional insured for this type of policy.
- Commercial Crime and Third Party Fidelity Insurance** in an amount of: _____ per occurrence.
- Cyber Liability Insurance** in an amount of: _____ per occurrence.
- Builders Risk Insurance** in an amount equal to 100% of the amount of the Contract.
- Pollution Insurance** in an amount of: _____ per occurrence.
- Aircraft Liability** in an amount of: _____ per occurrence.
- State of West Virginia must be listed as additional insured on insurance certificate. Certificate holder should read as follows:
 - State of WV
1900 Kanawha Blvd. E., Bldg. 5
Charleston, WV 25305
 -
 -

Notwithstanding anything contained in this section to the contrary, the Director of the Purchasing Division reserves the right to waive the requirement that the State be named as an additional insured on one or more of the Vendor's insurance policies if the Director finds that doing so is in the State's best interest.

9. WORKERS' COMPENSATION INSURANCE: Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

10. [Reserved]

11. LIQUIDATED DAMAGES: This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy. Vendor shall pay liquidated damages in the amount specified below or as described in the specifications:

Five hundred dollars (\$500) per each day for "Failed Delivery Damages", per the Specifications .

Liquidated Damages Contained in the Specifications.

Liquidated Damages Are Not Included in this Contract.

12. ACCEPTANCE: Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.

13. PRICING: The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification. Notwithstanding the foregoing, Vendor must extend any publicly advertised sale price to the State and invoice at the lower of the contract price or the publicly advertised sale price.

14. PAYMENT IN ARREARS: Payments for goods/services will be made in arrears only upon receipt of a proper invoice, detailing the goods/services provided or receipt of the goods/services, whichever is later. Notwithstanding the foregoing, payments for software maintenance, licenses, or subscriptions may be paid annually in advance.

15. PAYMENT METHODS: Vendor must accept payment by electronic funds transfer and P-Card. (The State of West Virginia's Purchasing Card program, administered under contract by a banking institution, processes payment for goods and services through state designated credit cards.)

16. TAXES: The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

17. ADDITIONAL FEES: Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia, included in the Contract, or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.

18. FUNDING: This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available. If that occurs, the State may notify the Vendor that an alternative source of funding has been obtained and thereby avoid the automatic termination. Non-appropriation or non-funding shall not be considered an event of default.

19. CANCELLATION: The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-5.2.b.

20. TIME: Time is of the essence regarding all matters of time and performance in this Contract.

21. APPLICABLE LAW: This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code, or West Virginia Code of State Rules is void and of no effect.

22. COMPLIANCE WITH LAWS: Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances.

SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to comply with all applicable laws, regulations, and ordinances. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

23. ARBITRATION: Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.

24. MODIFICATIONS: This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any change to existing contracts that adds work or changes contract cost, and were not included in the original contract, must be approved by the Purchasing Division and the Attorney General's Office (as to form) prior to the implementation of the change or commencement of work affected by the change.

25. WAIVER: The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.

26. SUBSEQUENT FORMS: The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.

27. ASSIGNMENT: Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments.

28. WARRANTY: The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.

29. STATE EMPLOYEES: State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.

30. PRIVACY, SECURITY, AND CONFIDENTIALITY: The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/default.html>.

31. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

32. LICENSING: In accordance with West Virginia Code of State Rules § 148-1-6.1.e, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to be licensed, in good standing, and up-to-date on all state and local obligations as described in this section. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

33. ANTITRUST: In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

34. VENDOR CERTIFICATIONS: By signing its bid or entering into this Contract, Vendor certifies (1) that its bid or offer was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid or offer for the same material, supplies, equipment or services; (2) that its bid or offer is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this Solicitation in its entirety; understands the requirements, terms and conditions, and other information contained herein.

Vendor's signature on its bid or offer also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency. The individual signing this bid or offer on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or offer or any documents related thereto on Vendor's behalf; that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.

35. VENDOR RELATIONSHIP: The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing.

Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

36. INDEMNIFICATION: The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.

37. PURCHASING AFFIDAVIT: In accordance with West Virginia Code §§ 5A-3-10a and 5-22-1(i), the State is prohibited from awarding a contract to any bidder that owes a debt to the State or a political subdivision of the State, Vendors are required to sign, notarize, and submit the Purchasing Affidavit to the Purchasing Division affirming under oath that it is not in default on any monetary obligation owed to the state or a political subdivision of the state.

38. CONFLICT OF INTEREST: Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

39. REPORTS: Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at purchasing.division@wv.gov.

40. BACKGROUND CHECK: In accordance with W. Va. Code § 15-2D-3, the State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check. Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

41. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS: Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

- a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.
- b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open heath, basic oxygen, electric furnace, Bessemer or other steel making process.
- c. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:

1. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or
2. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

42. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a “substantial labor surplus area”, as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products. This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

43. INTERESTED PARTY SUPPLEMENTAL DISCLOSURE: W. Va. Code § 6D-1-2 requires that for contracts with an actual or estimated value of at least \$1 million, the vendor must submit to the Agency a supplemental disclosure of interested parties reflecting any new or differing interested parties to the contract, which were not included in the original pre-award interested party disclosure, within 30 days following the completion or termination of the contract. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

44. PROHIBITION AGAINST USED OR REFURBISHED: Unless expressly permitted in the solicitation published by the State, Vendor must provide new, unused commodities, and is prohibited from supplying used or refurbished commodities, in fulfilling its responsibilities under this Contract.

45. VOID CONTRACT CLAUSES – This Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.



(Name, Title)
Jamie A. McClain, Marketing Manager

(Printed Name and Title)
5520 rt. 63, PO Box 190, Mt. Morris, NY 14510

(Address)
(888) 762-7258 / (585) 243-7676

(Phone Number) / (Fax Number)
customerservice@americanrocksalt.com

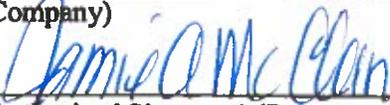
(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

American Rock Salt Co., LLC

(Company)



(Authorized Signature) (Representative Name, Title)

Jamie A. McClain, Marketing Manager

(Printed Name and Title of Authorized Representative)

August 16, 2021

(Date)

(888) 762-7258 / (585) 243-7676

(Phone Number) (Fax Number)

REQUEST FOR QUOTATION
Roadway Salt – Sodium Chloride

SPECIFICATIONS

- 1. PURPOSE AND SCOPE:** On behalf of the West Virginia Division of Highways and the West Virginia Parkways Authority, the West Virginia Purchasing Division is soliciting bids to establish open-end contracts for roadway salt as needed and on a continuing basis, for use in Snow Removal and Ice Control (SRIC) throughout WV, 1) for materials plus delivery by Vendor F.O.B to Agency storage locations per county, and 2) for Agency Pick-up from the Vendor's storage sites.

All responsible Vendors will be awarded a contract based on low-bid Unit Price per location. In the event of contract renewal or extension, the Agency will not consider price adjustments.

- 2. DEFINITIONS:** The terms listed below shall have the following meanings assigned to them for the purpose of this solicitation. Additional definitions can be found in Section 2 of the General Terms and Conditions.
- 2.1 “Contract Item”, “Item(s)” and “Materials”**– the goods and/or services identified in this contract and its Attachments.
- 2.2 “Attachment A, ATT A, Pricing Pages” for Salt Delivery to Agency locations**–the MANDATORY FORM to be completed by each Vendor to supply pricing for salt plus delivery to the Agency and for use in bid evaluation and ordering.
- 2.3 “Attachment B” and “ATT B” for Pick-up by the Agency** – the MANDATORY FORM to be completed by each Vendor to supply salt Pick-up pricing and the locations of Vendor's salt storage sites, and for use in bid evaluation and ordering.
- 2.4 “free-flowing”** - easy continuous natural progression movement without stoppage.
- 2.5 “Solicitation”** - official published notice of an opportunity to bid to supply the State of WV with goods and/or services.
- 2.6 “WVDOH” and “Agency”** – the West Virginia Division of Highways.
- 2.7 “WV Parkways Authority”, “Parkways” and “Agency”**– the West Virginia Parkways Authority.
- 2.8 “ASTM International” and “ASTM”** –formerly known as the American Society for Testing and Materials. Reference: www.astm.org. Reference to procedures shall be the latest edition of the published document, subject to change without notification.
- 2.9 “MSDS”** - Material Safety Data Sheets.

REQUEST FOR QUOTATION
Roadway Salt – Sodium Chloride

- 2.10 “Sodium Chloride”, “Rock Salt” and “Salt”** – interchangeable terms referring to the natural mined mineral used for de-icing in Snow Removal and Ice Control (SRIC).
- 2.11 “Contractor” or “Vendor”** – interchangeable terms referring to any person or entity that submits a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded contract items through this contract.
- 2.12 “Standard Specs”** - the West Virginia Department of Transportation, Division of Highways Standard Specifications, Roads and Bridges, adopted latest edition, as amended/modified by any subsequent annual Supplemental Specifications. Reference to standard specifications and other standard procedures shall be the latest edition of the published document, subject to change without notification.
- 2.13 “AASHTO”** – American Association of State Highway Transportation Officials.
Reference: www.transportation.org.
- 2.14 “Delivery Order”, “Order(s)” and “Form WV-39 Release Order”** – the Agency’s official document that details the contract Item(s) and quantity that the Agency wishes to purchase, and details how, when, and where they are formally obligated for delivery/receipt.
- 2.15 “Emergency Work” or “Emergency Delivery Orders”**– interchangeable terms for the delivery of goods and/or services as designated by the Agency District Engineer or his designee at a minimum, the delivery of contract Item(s) must be supplied without delay by the Vendor based on Agency need and owing to circumstances which the Agency could not have reasonably expected, not due to poor planning by the Agency.
- 2.16 “F.O.B. Destination” or “Free On Board Destination”** - Vendor, or its designee, bears the freight charges, owns the goods while in transit and will deliver goods to the location specified on the Delivery Order via truck/other conveyance without any expense to the purchaser. The bid price for materials shall include delivery at the Vendor’s expense.
- 2.17 “Failed Delivery Damages”** - when the Vendor’s delivery breaches the contract, resulting in compensation owed to the Agency as a per-day charge.
- 2.18 “Guaranteed Acceptance Total”** - the Agency guarantees to accept 80% of the Vendor’s collective awarded salt-tonnage (all WV counties) total, if delivered within the guaranteed delivery period.
- 2.19 “Guaranteed Delivery Total”** - the Vendor guarantees delivery of 120% of its collective awarded salt-tonnage (all WV counties) total, if delivered within the guaranteed delivery period.

REQUEST FOR QUOTATION
Roadway Salt – Sodium Chloride

2.20 “Guaranteed Delivery Period” - the timeframe or date that salt delivery is due, as specified herein and/or on the ordering Agency’s Delivery Order during SRIC season, non-SRIC season, and/or identified emergencies.

2.21 “Above the Guaranteed Delivery Total” – salt ordered in excess of 120% of the Vendor’s guaranteed delivery total awarded.

3. GENERAL REQUIREMENTS:

3.1 Contract Item(s) and Mandatory Requirements: Vendor shall provide Agency with the contract Item(s) as specified herein, and per Agency Delivery Order, F.O.B. destination. At its own discretion, the Agency District Engineer or his designee shall determine which contract Items, if any, shall be purchased. Contract Item(s) must meet or exceed the mandatory requirements as shown herein.

3.1.1 WHAT NEEDS INCLUDED WITH THE BID: These Specifications have been modified since the previous solicitation. The Vendor should carefully read this entire invitation to bid. Omitting any required forms, Attachments, or documentation as described throughout this contract will deem a bid non-responsive, either in part or whole and may result in disqualification of the bid, in part or whole. As detailed herein, the Vendor shall include, at a minimum,

- the entire *completed* bid invitation/ solicitation document,
- Signature Pages,
- Contract Manager page, with name, email, phone, etc.,
- Pricing related Attachments (ATT A and ATT B spreadsheets),
- Purchasing Affidavit
- Ethics/Disclosure, when provided by Agency as part of the Solicitation
- All other required forms or supportive information as stated herein.

3.2 Specifications: The following Sections of the Standard Specs, as amended, shall apply to the administration of this contract: 101, 102, 103, 104, 105, 106, 107, 108, 109, and 110, as amended.

NOTE: The requirements of Standard Specs Section 308.5 and Section 109.20 PRICE ADJUSTMENT FOR LOAD LIMIT VIOLATIONS, as amended, shall apply to all material supplied under this contract.

A hard copy of the current Standard Specs may be purchased at a cost of \$20.00 (\$15.00 for the current book plus \$5.00 for the Supplemental Latest Edition) by completing the attached Standard Specifications Order Form and emailing it to DOHSpecifications@wv.gov, or mailing it to:

West Virginia Division of Highways

REQUEST FOR QUOTATION
Roadway Salt – Sodium Chloride

Contract Administration
Building 5, Room 840
1900 Kanawha Boulevard, East
Charleston, West Virginia 25305

A free electronic copy of the Standard Specs and Supplementals and may be obtained by sourcing:

<https://transportation.wv.gov/highways/contractadmin/specifications/Pages/default.aspx>

Materials: Sodium Chloride, or “salt” shall, conform to the requirements of the most current version of ASTM D632 and ASTM534, as amended. The Vendor should provide the MSDS information with their bid document; however, MSDS information must be provided to the WV Purchasing Division prior to award of a contract.

3.2.1 Anti-Clumping Material: If an anti-clumping agent is to potentially be applied to salt for either delivery or pick-up, the Vendor shall provide the MSDS information prior to award of a contract.

3.3 Sampling and Testing: Upon award of this contract, the Vendor shall provide its proposed source of supply to the WVDOH. Acceptance shall be based on suppliers’ certification of quality and gradation. This information shall be directed to:

WVDOH Materials Control, Soils and Testing Division
190 Dry Branch Road
Charleston, WV 25306
Phone: 304-558-3175

The WVDOH may conduct sampling and testing to verify material quality and/or gradation.

3.3.1 Moisture Content: All material shall be covered in transit. Moisture content shall not exceed 2.0% by weight for stockpile delivery. Laboratory testing for moisture shall be administered in accordance with ASTM E534, as amended, at any time during the delivery. Upon visual inspection by the Agency/WVDOH District Manager or designee, any supplied sodium chloride that does not appear to meet ASTM E534 (such as material being saturated/free flowing with water) will be sampled and tested by the WVDOH. Three samples, one each from the top, middle and bottom of the load, will be pulled by Agency personnel, witnessed, and signed off on by the delivery driver. The supplier will be notified of sampling within 48 hours and will be notified of test results within seven (7) business days of completion testing. Upon testing and with each delivery, the supplier shall be responsible for the weight of water in excess of 2.0%, by deducting the excess amount from the price. Price adjustment shall be calculated as follows:

REQUEST FOR QUOTATION
Roadway Salt – Sodium Chloride

EXAMPLE: For a delivery of 75 tons at \$45.00/ton, if the moisture content is found to be 3.5% (1.5% greater than 2.0%), the formula shall be:

75 tons multiplied by \$45.00 to equal \$3,375.00 price.

\$3,375.00 multiplied by .0150 to equal \$50.63, total price adjustment.

\$3,375.00 minus \$50.63 to equal \$3,324.37, total adjusted price.

- 3.3.2 Unacceptable Material:** Per visual observation, if salt is deemed unsatisfactory or not compliant with ASTM E534, at the discretion of the Agency/WVDOH District Manager or designee, the Agency reserves the right to reject delivery or accept delivery and exercise the price adjustment formula.

If the supplier disputes the test results, they must file a complaint with the Agency/WVDOH Operations Division Director for review and final decision within seven (7) business days of notification of the test results to the supplier.

3.3.2.1 Delivery of salt deemed by the Agency as unacceptable such as large unusable chunks, loads mixed with foreign material (i.e., dark-colored contaminants, charcoal, cinders, or debris) will be rejected immediately. Salt that does not meet the above specified conditions at the time of the delivery will not be accepted by the Agency. Any rejected deliveries will be removed by the Vendor at no cost to the Agency.

- 3.4 Bid Instructions:** Vendor shall supply its Pricing for all Items it chooses to bid via the Attachments A and/or B which are separate Excel spreadsheets. Vendors may bid any or all locations. To expedite the bid evaluation, if the Vendor is submitting its bid of hard-copy documents via hand-delivery or mail, the Vendor should also provide the Excel Pricing spreadsheets on either jump-drive(s) or CD(s). If the Vendor wishes to electronically enter its bid and submit via wvOASIS, the Vendor should enter its pricing and information into the Agency's Excel spreadsheets provided and upload them with its bid documents into wvOASIS, if available. Vendors can access and download the most current Excel Pricing File for this solicitation via wvOASIS or by sending an email request to the buyer for this solicitation: John.W.Estep@wv.gov

- 3.4.1 Attachment A (ATT A) Pricing Pages for Salt With Delivery by Vendor:** After placing the Vendor's name at the top of each ATT A, the Vendor shall provide its pricing for Salt with Delivery F.O.B. destination to any Agency storage locations, as listed on *tabs* of the ATT A spreadsheet.

- 3.4.2 Attachment B (ATT B) Pricing Pages for Salt Pick-up by the Agency:** After placing the Vendor's name at the top of each ATT B, the Vendor shall complete the ATT B spreadsheet to include pricing for salt pick-up from the Vendor's storage location(s) as supplied on the ATT B. The price shall include the Vendor loading the Agency trucks.

REQUEST FOR QUOTATION
Roadway Salt – Sodium Chloride

- 3.4.3 Unapproved Alterations to Pricing Page:** Vendors who materially alter the original content of the Excel pricing page (e.g., specifications, formulas, estimated totals, headers, etc.) issued by the Agency may be found ineligible for award and their bid disqualified.
- 3.5 Emergency Deliveries of Contract Items** as ordered by WVDOH District Engineer or his designee shall be initiated within forty-eight (48) hours from when the Delivery Order is received by the Vendor, therefore a rushed response with goods and/or service delivery is needed from the Vendor, (see also “Definitions” Section above).
- 4. SAFETY: Pandemic-Response Safety Protocols:** In addition to the Vendor’s established safety protocols and the Agency’s established safety protocols outlined in the Standard Specs, as amended, the Vendor and the Vendor’s staff shall adhere to all Agency’s pandemic-response protocols while present at the Agency location/jobsite. Vendors may obtain the Agency’s pandemic-response protocols by contacting the Agency District Engineer.
- 5. CONTRACT AWARD:** The contract is intended to provide Agencies with a per-ton purchase price on Sodium Chloride with DELIVERY to the Agency. All qualified, responsible Vendors shall be awarded a contract with the low bid on ATT A Pricing Pages for materials with delivery per county. PICK-UP: A contract shall be awarded to any qualified, responsible Vendor that submits a bid price on the ATT B Pick-up Pricing Pages. Pick-up from the Vendor’s storage site shall only be used in unforeseen circumstances when delivery is not feasible to meet an immediate need. The Agency reserves the right to pick up Salt from the awarded Pick-up Vendor(s) within 48 hours of receipt of the Agency’s Delivery Order.
- 5.1 Contract Award Transition:** Upon the award of this contract, whether the effective date or the completed and encumbered date or an established date by the Agency, the WVDOH Operations Division will announce the effective date of use of this contract to the Districts and the Vendors. Upon the announced effective date of use by the WVDOH Operations Division, any Delivery Order issued toward the previously effective/prior contracts with work/delivery started shall remain in effect and shall not be cancelled until that Delivery Order is filled. Any Delivery Order issued with work/delivery not started shall be cancelled and reissued off the new contract. **No Delivery Order from the previously effective contracts should be held open by the District or the Vendor longer than thirty (30) working days after the notice to the Districts and the Vendors of the effective date of use of the new contracts.**

This directive is issued to assist the Districts and the Vendor when fulfilling open Delivery Orders only. It is NOT issued to cause harm or to take contracts from one Vendor to give to another Vendor, but to establish a transition process from one contract into another contract.

REQUEST FOR QUOTATION
Roadway Salt – Sodium Chloride

6. ORDERING AND PAYMENT METHOD:

- 6.1 Ordering:** Vendor shall accept orders through wvOASIS, regular mail, fax/ facsimile, e-mail, or any other written forms of communication. Vendor shall maintain and keep current its phone numbers, fax number, e-mail address, locations and ordering/billing/ payment addresses with the Agency and in wvOASIS. Vendor may, but is not required to, accept on-line orders through a secure internet ordering portal/website. Vendor should include in its response a brief description of how Agencies may utilize the Vendor's on-line ordering system. Vendor shall ensure that its on-line ordering system is properly secured prior to processing Agency orders on-line.
- 6.2 Delivery Order:** Agency will initiate the Delivery Order by identifying locations of need. The Delivery Order will be generated by an Agency Engineer or his designee and should be completed on a WV-39 Blanket Release Order. The order should detail the salt and amount needed, the delivery location, and the due date for the delivery which shall become the agreed upon delivery date. Once complete, the Delivery Orders shall be sent to Vendor via fax, email, or postal mail. Any verbal communications to initiate or make modifications to a project from this contract are NOT acceptable as a Delivery Order.
- 6.3 Payment Method:** Upon completion of the work indicated on the Delivery Order, Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia. The State of West Virginia currently utilizes a Purchasing Card program, administered under contract by a banking institution, as well as Electronic Funds Transfer as methods to process payment for goods and services. The Vendor must accept the State of West Virginia's Purchasing Card and Electronic Funds Transfer for payment of orders under this contract. Electronic Funds Transfer for payment is available through the WV State Auditor's Office. The Vendor may visit the WV State Auditor's website (wvsao.gov) for all necessary forms and instructions. Payment method may be dictated at Agency's discretion.

7. DELIVERY, PICK-UP, RETURNS, AND PAYMENT:

- 7.1 Delivery:** No Vendor is authorized to ship, nor is the Agency authorized to receive materials prior to the issuance of a **written** Delivery Order. As directed by the Agency on its Delivery Order, the Vendor shall commence and fulfill orders to the Agency location(s) in increments and within the time frame specified on the Delivery Order. The Vendor **SHALL NOT HOLD ORDERS** until a minimum delivery quantity is met. In the event that the Agency sends the Vendor a "bulk seasonal order" whereby the Agency is anticipating multiple, successive deliveries, the Vendor shall commence deliveries spread out over the date-span specified by the Agency and make successive deliveries until the Order is filled. The Vendor shall communicate -in writing- to the

REQUEST FOR QUOTATION
Roadway Salt – Sodium Chloride

ordering Agency, any issues or potential disruption in delivery(s). The Agency shall have the option of accepting or refusing any alternative delivery schedule proposed by the Vendor. Any delayed or failed delivery portion shall be subject to “Failed Delivery Damages,” as defined in Section 2.17.

7.1.1 Guaranteed Delivery: It shall be further noted that the Vendor is not responsible for and shall not be penalized for delays in its delivery when caused by factors or events outside Vendor’s control, including but not limited to acts or omissions of the Agency or third parties, acts of civil or military authority, civil disturbance, war, terrorism, pandemics, explosions, fire, floods, tornadoes or other natural disasters or acts of God.

7.1.1.1 Delivery Order Schedule: For Delivery Orders issued to the awarded Vendor from the contract’s effective date, delivery shall commence immediately and be due within ten (10) calendar days of the Delivery Order date, unless otherwise directed by the Agency. The first day will be considered 12:01 AM, the morning (working day) following the Delivery Order date. An initial delivery must be made by the established initial delivery date and the remainder of the order filled with successive loads as specified by the Agency on the Delivery Order.

7.1.1.2 Emergency Delivery Orders Schedule: Per Section 2.15, emergency situations stemming from inclement weather requiring the immediate delivery of salt, upon the Vendor’s receipt of the Agency’s Delivery Order denoting “Emergency,” the Order shall be treated as a priority and fulfilled by the Vendor without delay and as indicated by the Agency on the Delivery Order. Emergency Deliveries declared as such the Agency District Engineer/designee, shall be paid at a rate of 105% of the Vendor’s awarded price.

7.2 Agency’s Acceptance Guarantee and Vendor’s Delivery Guarantee: The Agency guarantees acceptance of 80% of estimated quantity awarded statewide to the Vendor. The Vendor shall guarantee delivery of up to 120% of the statewide estimated quantity awarded. All Agency Delivery Orders shall be issued, and all Vendor deliveries shall be completed prior to the contract’s expiration and as identified on the Agency’s Delivery Orders. To clarify, the “guarantee” shall apply to statewide (all counties) total tonnage awarded to the Vendor, and *not* the individual totals per District, County, and/or Agency Delivery/Storage Location Site.

EXAMPLE: If statewide total (of all counties in all Districts, all Agencies) awarded to the Vendor is 43,000 tons, the guaranteed Total shall be calculated as follows:

43,000 multiplied by 80% = 34,400 tons Agency’s Guaranteed Acceptance Total
43,000 multiplied by 120% = 51,600 tons Vendor’s Guaranteed Delivery Total

REQUEST FOR QUOTATION
Roadway Salt – Sodium Chloride

7.2.1 Orders Beyond 120% of Vendor's Statewide Guaranteed Delivery: Contingent upon weather conditions, the Agency reserves the right to purchase additional quantities of salt above 120% of the Vendor's awarded statewide guaranteed delivery total.

Pricing for Orders Beyond 120%: In the event that the Agency wishes to purchase Salt in excess of the 120% of the Vendor's statewide guaranteed delivery total, the Agency shall pay the Vendor at a rate of 110% of the Vendor's bid price for purchases and the Vendor shall guarantee completed delivery of such orders no later than ten (ten) calendar days of the Delivery Order date, unless otherwise specified by the Agency on its Delivery Order.

7.2.2 Shipment Adjustments: The Agency cannot determine nor predict the amount of snow and/or ice in one area compared to another area. As dictated by weather conditions and/or the needs of the Agency, the Agency reserves the right to direct the Vendor to alter the shipment totals between storage locations despite how they were estimated and awarded to the Vendor.

7.2.3 Vendor's to Report Agency Orders At the point that the Vendor determines that it has received orders amounting to 80% of the estimated statewide totals, the Vendor shall notify the WVDOH Operations Division via email and provide reports to the Agency with the Vendor's quantities ordered and delivered statewide, broken down by ordering location, (Section 10.3 also applies).

7.2.4 Vendor Shall Not Place Shipments On Hold: In the event that total ordered from a particular District, location, or Agency exceeds 120% of the estimated total for a given District or any singular location, the Vendor shall not place any Delivery Orders on hold nor suspend any shipments if the entire total ordered has not reached 120% of the Vendors statewide awarded total, see Section 7.21.

7.2.5 Original Delivery Tickets for each delivered load to the Agency delivery/storage location sites shall be provided and must be signed and retained by an Agency representative at the delivery/storage location site.

7.3 Failed Delivery and Risk of Loss: If the Vendor's commencement or completion of Delivery Order fulfillment will be delayed for any reason, the Vendor must notify the ordering Agency in writing no later than thirty-six (36) hours from the Delivery Order date. If the Vendor supplies the Agency with an alternate delivery schedule for any portion of the order pending delivery, the alternate delivery schedule shall be subject to acceptance or refusal by the Agency. The Agency reserves the right to cancel any failed Delivery Order, whether in part or in whole, and proceed accordingly to obtain salt through other means necessary, to alleviate hardship to the Agency. Any quality or delivery failures deemed as a hardship by the District Engineer or its designee shall result in money due the Agency in the form of Failed Delivery Damages, at the discretion of the ordering Agency, as outlined throughout these Specifications, see

REQUEST FOR QUOTATION
Roadway Salt – Sodium Chloride

Section .

In the event that the Agency has to cancel any Delivery Order and obtain the replacement from an alternate economical source, at the Agency's discretion, a deduction for the cost of the Order replacement shall be applied to the Vendor that Failed Delivery. The deduction shall include the cost for the replacement Item quantity and include transportation charges associated with the delivery, if applied by the alternate economical source. The total replacement cost shall be deducted from the final invoice and the Item quantity applied toward the 80% guaranteed acceptance quantity of the awarded Vendor. The Vendor hereby agrees that the Agency shall apply, as an offset deduction from the final invoice, the total replacement cost which shall include transportation charges and the difference in cost from that Vendor's price and the alternative economical source's price. If the alternate source chosen to fulfill the Order is a Vendor also a contract awardee, this quantity shall be applied to that Vendor's 80% guaranteed quantity.

7.3.1 Delivery Failures: If an *initial delivery portion* (as identified by the Agency) from the ordered quantity has not been received by the Agency after five (5) working days from the Delivery Order date and an alternative delivery schedule has *not* been arranged with and accepted by the ordering Agency, the ordering Agency reserves the right to cancel the Delivery Order, apply the Failed Delivery Damages (see Section 7.4.1) and proceed to obtain the required quantity salt from an alternate, economical source. At the discretion of the Agency, the first alternate economical source shall be the next low bid Vendor, if that bidder has Item availability and is able to meet the Agency's need and timeline, otherwise, the Agency may proceed with obtaining the Item(s) on the open market. Any Agency seeking to obtain salt from the open market under this provision must first obtain approval of the Purchasing Division.

7.3.2 Overdue Orders: If any ordering Agency determines that the Vendor is behind schedule on fulfilling the Agency's orders critical to meet the needs of the Agency, regardless if alternative delivery schedules have been arranged with and accepted by the ordering Agency, the Vendor's failed delivery quantity, at the discretion of the Agency, shall be assessed subject to Failed Delivery Damages, at a rate of \$500 per-day, beginning day one following the failed Delivery Order's scheduled due date, see Section 7.4.1.

7.4 Payment: Standard order delivery shall be F.O.B. destination to the Agency's location. Vendor shall include the cost of standard order delivery charges in its bid pricing/discount and is not permitted to charge the Agency separately for such delivery for any reason.

7.4.1 Failed Delivery Damages- The Vendor hereby understands, agrees, and further authorizes the Agency to assess a \$500.00 per calendar-day charge for each day exceeding the Agency's specified delivery date, to be applied by the Agency as

REQUEST FOR QUOTATION
Roadway Salt – Sodium Chloride

an offset deduction to the Vendor's final invoice. The Vendor is not responsible for delays in its delivery when caused by factors or events outside Vendor's control such as, but not limited to, omissions or errors by the Agency, acts of third parties, civil or military authority, civil disturbance, war, terrorism, pandemics, explosions, fire, floods, tornados, other natural disasters, or acts of God.

- 7.5 Return of Unacceptable Items:** If the Agency deems the salt to be unacceptable, the Items shall be returned (as directed by the Agency), to Vendor at Vendor's expense and with no restocking charge. Vendor shall either arrange for the return within five (5) days of being notified that Items are unacceptable or permit the Agency to arrange for the return and reimburse Agency for delivery expenses. If the original packaging cannot be utilized for the return, Vendor will supply the Agency with appropriate return packaging upon request. All returns of unacceptable Items shall be F.O.B. the Agency's location. The returned product shall either be replaced, or the Agency shall receive a full credit or refund for the purchase price, at the Agency's discretion.
- 7.6 Return Due to Agency Error:** Items ordered in error by the Agency will be returned for credit within 30 days of receipt, F.O.B. Vendor's location. Vendor shall not charge a restocking fee if returned products are in a resalable condition. Items shall be deemed to be in a resalable condition if they are unused and in the original packaging. Any restocking fee for Items not in a resalable condition shall be the lower of the Vendor's customary restocking fee or 5% of the total invoiced value of the returned Items.
- 8. VENDOR PERFORMANCE:** Regarding the material requirements and the delivery requirements outlined in, but not limited to Sections 3, 3.2, and 6, the Vendors shall be fully aware that the Agency shall report all negative incidents of Vendor performance to the WV Purchasing Division. The AGENCY shall report such incidents on a Vendor Performance Report which shall provide a tracking mechanism on the performance of the Vendor or of its product.

Vendor performance and product quality is crucial to the administration of this contract. When these factors do not meet expectations, the Agency shall work with the Vendor to make all efforts to resolve the problem. After all attempts have failed by the Agency to resolve the issues with the Vendor, the Vendor Performance Report will immediately be submitted to the WV Purchasing Division for assistance in resolving the problem.

In situations where the Vendor has breached contract or established a pattern of poor performance, the WV Purchasing Division may cancel the contract and/or suspend the Vendor from further participation in the competitive bid process. If the Vendor fails to honor any contractual terms or conditions, the WV Purchasing Division Director may suspend the Vendor as having exhibited a pattern of poor performance in fulfilling his or her contractual obligations to the state. Poor performance includes, but is not limited to, a Vendor providing or furnishing commodities, materials, or services late, or at a quantity or quality level below

REQUEST FOR QUOTATION
Roadway Salt – Sodium Chloride

that which is specified in the contract.

9. VENDOR DEFAULT:

9.1 The following shall be considered a vendor default under this contract.

9.1.1 Failure to provide contract Item(s) in accordance with the requirements contained herein.

9.1.2 Failure to comply with other specifications and requirements contained herein.

9.1.3 Failure to comply with any laws, rules, and ordinances applicable to the contract Services provided under this contract.

9.1.4 Failure to remedy deficient performance upon request.

9.2 The following remedies shall be available to Agency upon default.

9.2.1 Immediate cancellation of the contract.

9.2.2 Immediate cancellation of one or more Delivery Orders issued under this contract.

9.2.3 Any other remedies available in law or equity.

10. MISCELLENOUS:

10.1 No Substitutions: The Vendor shall supply only contract Item(s) submitted in response to this Solicitation unless a contract modification is approved in accordance with the provisions contained in this contract.

10.2 Vendor Supply: The Vendor must carry sufficient inventory of the contract Item(s) being offered to fulfill its obligations under this contract. By signing its bid, the Vendor certifies that it can supply the contract Item(s) contained in its bid response.

10.3 Reports: For Items purchased during the term of this contract, the Vendor shall provide the Agency with reports, in electronic spreadsheet format, with purchased contract Items, total dollar value, quantities, shipments, and delivery information, quarterly, or annual summaries, or upon request. Failure to supply such reports may be grounds for cancellation of this contract.

REQUEST FOR QUOTATION
Roadway Salt – Sodium Chloride

10.4 Contract Manager: During its performance of this contract, the Vendor must designate and maintain a primary contract manager responsible for overseeing the Vendor's responsibilities under this contract. The Contract Manager must be available during normal business hours to address any customer service or other issues related to this contract. The Vendor should list its Contract Manager and his or her contact information below.

Contract Manager: Jamie A. McClain
Telephone Number: (888) 762-7258
Fax Number: (585) 243-7676
Email Address: customerservice@americanrocksalt.com

Vendor shall inform the Agency in writing of any changes to the information provided above within ten (10) calendar days of such changes. Failure to comply may be grounds for cancellation of this contract.

ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

Vendor's Unit price shall be per Ton by County. Vendor may bid any or all Counties. Do not type in Grey areas below.

Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

DISTRICT 1			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	Unit Price Per Ton	Extended Price
Boone	Clinton @ WV85	850.00		
Boone	Rock Creek	1,300.00		
Boone	Seth	850.00		
Boone	County Total	3,000.00	No Bid	No Bid
Clay	Widen Road & CR 11	1,350.00		
Clay	Maysel	100.00		
Clay	County Total	1,450.00	No Bid	No Bid
Kanawha	Chelyan	0.00		
Kanawha	Elkview	0.00		
Kanawha	North Charleston	0.00		
Kanawha	St. Albans	0.00		
Kanawha	I-64 @ Rt. 119 and Penn. Avenue	0.00		
Kanawha	I-77 @ Sissonville	1,000.00		
Kanawha	I-79 @ Amma	1,000.00		
Kanawha	Corridor G @ Alum Creek	1,000.00		
Kanawha	County Total	3,000.00	No Bid	No Bid
Mason	Glenwood	0.00		
Mason	Pt. Pleasant	1,000.00		
Mason	County Total	1,000.00	No Bid	No Bid
Putnam	Red House	1,000.00		
Putnam	Hurricane @ Rt. 34	1,000.00		
Putnam	I-64 @ Scary Creek	1,000.00		
Putnam	US 35 @ Frazier's Bottom	1,000.00		
Putnam	County Total	4,000.00	No Bid	No Bid
Estimated Total per District		12,450.00		No Bid

ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

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Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

DISTRICT 2			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	Unit Price Per Ton	Extended Price
Cabell	Barboursville	3,000		
Cabell	I-64 @ Huntington	1,200		
Cabell	County Total	4,200	No Bid	No Bid
Lincoln	West Hamlin	1,500		
Lincoln	Yawkey	1,000		
Lincoln	Harts	1,000		
Lincoln	County Total	3,500	No Bid	No Bid
Logan	Corridor G @ Chapmanville	2,000		
Logan	Wilkinson	1,000		
Logan	Man	1,000		
Logan	County Total	4,000	No Bid	No Bid
Mingo	Corridor G @ Miller's Creek, Bldg #03011	1,000		
Mingo	Mingo Cty @ Miller's Creek, Bldg #03025	1,000		
Mingo	Gilbert	500		
Mingo	County Total	2,500	No Bid	No Bid
Wayne	Pritchard	1,500		
Wayne	Wayne	1,000		
Wayne	Crum	1,000		
Wayne	County Total	3,500	No Bid	
Estimated Total per District		17,700		No Bid

ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

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Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

DISTRICT 3			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	Unit Price Per Ton	Extended Price
Calhoun	Millstone	2900		
Calhoun	County Total	2900	No Bid	No Bid
Jackson	Ripley	2400		
Jackson	I-77 @ Medina	1300		
Jackson	County Total	3700	No Bid	No Bid
Pleasants	Belmont	2000		
Pleasants	County Total	2000	No Bid	No Bid
Ritchie	APD Pennsboro	3000		
Ritchie	Ellenboro	2500		
Ritchie	Corridor D @ Nutter Farm	500		
Ritchie	Smithville	500		
Ritchie	County Total	6500	No Bid	No Bid
Roane	Lefthand @ WV 36	100		
Roane	Ambler Ridge @ US 119	100		
Roane	Spencer	1900		
Roane	County Total	2100	No Bid	No Bid
Wirt	Elizabeth	1300		
Wirt	County Total	1300	No Bid	No Bid
Wood	Parkersburg @ Rt. 95S	6000		
Wood	I-77 @ Parkersburg	100		
Wood	Corridor D @ Riverhill	50		
Wood	County Total	6150	No Bid	No Bid
Estimated Total per District		24,650		No Bid

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ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

Vendor's Unit price shall be per Ton by County. Vendor may bid any or all Counties. Do not type in Grey areas below.

Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

DISTRICT 4			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	Unit Price Per Ton	Extended Price
Doddridge	Greenwood	1,000		
Doddridge	Smithburg	1,000		
Doddridge	County Total	2,000	82.00	164,000.00
Harrison	Gore	2,500		
Harrison	Saltwell	400		
Harrison	I-79 @ Lost Creek	1,600		
Harrison	APD 50 @ Tunnel Hill	1,500		
Harrison	County Total	6,000	79.00	474,000.00
Marion	Fairmont	800		
Marion	Mannington	200		
Marion	County Total	1,000	76.00	76,000.00
Monongalia	I-79 @ Goshen Road	2,000		
Monongalia	Ridgedale	2,500		
Monongalia	Pentress	500		
Monongalia	County Total	5,000	76.00	380,000.00
Preston	Bruceeton Mills	1,000		
Preston	Albright	1,000		
Preston	Terra Alta	1,000		
Preston	Fellowsville	1,000		
Preston	Aurora	1,000		
Preston	I-68 @ Cooper's Rock	1,000		
Preston	County Total	6,000	75.00	450,000.00
Taylor	Fetterman/Prunytown	1,000		
Taylor	County Total	1,000	79.00	79,000.00
	Estimated Total per District	21,000		1,623,000.00

ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

Vendor's Unit price shall be per Ton by County. Vendor may bid any or all Counties. Do not type in Grey areas below.

Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

DISTRICT 5			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	Unit Price Per Ton	Extended Price
Berkeley	I-81 @ Martinsburg (0571)	1,000		
Berkeley	1867 Rock Cliff Drive (0502)	1,000		
Berkeley	I-81 @ Exit 8 (0571)	700		
Berkeley	County Total	2,700	106.90	288,630.00
Grant	Petersburg	800		
Grant	Mt. Storm	1,000		
Grant	Corridor H @ Knobley Road (0582)	1,600		
Grant	County Total	3,400	94.00	319,600.00
Hampshire	Romney 56 DOH Dr.	800		
Hampshire	Capon Bridge	400		
Hampshire	Slanesville	300		
Hampshire	County Total	1,500	95.49	143,235.00
Hardy	Moorefield 2014 State RT 55	800		
Hardy	Baker	800		
Hardy	County Total	1,600	101.50	162,400.00
Jefferson	Charles Town (0519)	1,500		
Jefferson	Charles Town - New Shed (0564)	1,500		
Jefferson	County Total	3,000	109.75	329,250.00
Mineral	New Creek	700		
Mineral	Sky Line (Elk Garden)	600		
Mineral	Short Gap/Substation RT 28 Ridgely	300		
Mineral	District Headquarters (Burlington)	100		
Mineral	County Total	1,700	85.00	144,500.00
Morgan	Berkeley Springs/166 DOH Lane US 522	800		
Morgan	Largent/Substation 16964/Great Cacapon	300		
Morgan	County Total	1,100	98.00	107,800.00
Estimated Total per District		15,000		1,495,415.00

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ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

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Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

DISTRICT 6			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	Unit Price Per Ton	Extended Price
Brooke	Wellsburg	1800		
Brooke	Weirton	1800		
Brooke	County Total	3,600	75.00	270,000.00
Hancock	New Manchester	2800		
Hancock	County Total	2,800	75.00	210,000.00
Marshall	Glen Dale	2900		
Marshall	Lynn Camp	700		
Marshall	Cameron	1550		
Marshall	Sand Hill	650		
Marshall	County Total	5,800	76.00	440,800.00
Ohio	Triadelphia	4000		
Ohio	I-70 @ Triadelphia	3600		
Ohio	County Total	7,600	74.00	562,400.00
Tyler	Sistersville	1100		
Tyler	Centerville	800		
Tyler	County Total	1,900	80.00	152,000.00
Wetzel	New Martinsville	1100		
Wetzel	Pine Grove	700		
Wetzel	Hundred	900		
Wetzel	County Total	2,700	78.00	210,600.00
Estimated Total per District		24,400		1,845,800.00

ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

Vendor's Unit price shall be per Ton by County. Vendor may bid any or all Counties. Do not type in Grey areas below.

Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

DISTRICT 7			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	<i>Unit Price Per Ton</i>	<i>Extended Price</i>
Barbour	Phillipi	1,500		
Barbour	Belington	1,400		
Barbour	County Total	2,900	92.91	269,439.00
Braxton	Gassaway	800		
Braxton	Heaters	600		
Braxton	I-79 @ Coon Knob	1,400		
Braxton	I-79 @ Burnsville	1,400		
Braxton	County Total	4,200	101.85	427,770.00
Gilmer	Glenville	1,000		
Gilmer	County Total	1,000	92.20	92,200.00
Lewis	Weston (Ben Dale)	1,200		
Lewis	Corridor H @ Mudlick	1,000		
Lewis	County Total	2,200	85.77	188,694.00
Upshur	Clow Lot @ Buckhannon	2,400		
Upshur	Tennerton	100		
Upshur	Kanawha Head	700		
Upshur	County Total	3,200	97.61	312,352.00
Webster	Cherry Falls	500		
Webster	Cowen	500		
Webster	Hacker Valley	500		
Webster	County Total	1,500	105.20	157,800.00
Estimated Total per District		15,000		1,448,255.00

ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

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Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

DISTRICT 8			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	Unit Price Per Ton	Extended Price
Pendleton	Franklin, 220 North	600		
Pendleton	Judy Gap	450		
Pendleton	Brandywine	400		
Pendleton	Onego	600		
Pendleton	Franklin, 220 South	400		
Pendleton	County Total	2,450	102.47	251,051.50
Pocahontas	Marlinton	800		
Pocahontas	Seebert	600		
Pocahontas	Greenbank	500		
Pocahontas	Bartow (Thornwood)	500		
Pocahontas	Snowshoe	100		
Pocahontas	Slaty Fork	600		
Pocahontas	County Total	3,100	108.19	335,389.00
Randolph	Elkins	600		
Randolph	Harman	750		
Randolph	Coalton	600		
Randolph	Valley Head	600		
Randolph	Mill Creek	600		
Randolph	Pickens	350		
Randolph	Corridor H Lot @ Elkins	1,500		
Randolph	County Total	5,000	99.97	499,850.00
Tucker	Parsons	800		
Tucker	Thomas	400		
Tucker	Thomas	1,500		
Tucker	County Total	2,700	94.12	254,124.00
Estimated Total per District		13,250		1,340,414.50

ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

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Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

DISTRICT 9			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	Unit Price Per Ton	Extended Price
Fayette	Oak Hill	4,500		
Fayette	Lookout	0		
Fayette	Falls View	0		
Fayette	County Total	4,500	No Bid	No Bid
Greenbrier	Lewisburg	700		
Greenbrier	Crawley	1,700		
Greenbrier	I-64 @ Hart's Run	1,000		
Greenbrier	County Total	3,400	No Bid	No Bid
Monroe	Union	500		
Monroe	Peterstown	700		
Monroe	County Total	1,200	No Bid	No Bid
Nicholas	Summersville	2,500		
Nicholas	Curtin	1,500		
Nicholas	Corridor L @ Muddlety	3,000		
Nicholas	County Total	7,000	No Bid	No Bid
Summers	Hinton	1,200		
Summers	County Total	1,200	No Bid	No Bid
Estimated Total per District		17,300		No Bid

ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

Vendor's Unit price shall be per Ton by County. Vendor may bid any or all Counties. Do not type in Grey areas below.

Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

DISTRICT 10			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	Unit Price Per Ton	Extended Price
McDowell	Havaco	2,000		
McDowell	Yukon	500		
McDowell	Johnnycake Mountain	400		
McDowell	Raysel	250		
McDowell	County Total	3,150	No Bid	No Bid
Mercer	Princeton @ WV 20	3,000		
Mercer	Flat Top	500		
Mercer	I-77 @ Princeton	3,000		
Mercer	County Total	6,500	No Bid	No Bid
Raleigh	Skelton	6,000		
Raleigh	Bolt	100		
Raleigh	I-64 @ Bragg	5,000		
Raleigh	County Total	11,100	No Bid	No Bid
Wyoming	Pineville	3,000		
Wyoming	Still Run	900		
Wyoming	Hanover	100		
Wyoming	County Total	4,000	No Bid	No Bid
Estimated Total per District		24,750		No Bid

ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

Vendor's Unit price shall be per Ton by County. Vendor may bid any or all Counties. Do not type in Grey areas below.

Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

WV PARKWAYS AUTHORITY			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	Unit Price Per Ton	Extended Price
Kanawha	Chelyan	4,000		
Kanawha	Standard	2,900		
Kanawha	County Total	6,900	No Bid	No Bid
Mercer	Princeton	1,500		
Mercer	County Total	1,500	No Bid	No Bid
Raleigh	Beckley	6,700		
Raleigh	Ghent	3,100		
Raleigh	County Total	9,800	No Bid	No Bid
Estimated Total, Parkways		18,200		No Bid

Attachment B (ATT B) ROADWAY SALT PICK-UP

Pricing Page and Vendor's Storage Location of Salt for Pick-Up FOB by Agency

Enter Vendor's Name:

American Rock Salt Co., LLC

Vendor shall list below the physical address Location of its Roadway Salt Storage site(s) to be used for Pick-Up by the Agency	Pick-Up *Cost Per Ton *shall include cost of Vendor loading Agency trucks.
2244 Gibsonton Rd.	\$60.00/ton pickup
Belle Vernon, PA	

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

DISTRICT 1 - WVDOH

County	Delivery/ Storage Location Site	Physical Address	Bill-to Address	Contact Name	Contact Phone #/Email Address	Org	Long	Lat
Boone	Clinton @ WV85	WV 85 above Van Wharton, WV 25208	203 DOH Garage Road Danville, WV 25053	Keither Baisden	304-369-7808 keither.r.baisden@wv.gov	0103	-81.67344	37.89133
Boone	Rock Creek	203 DOH Garage Road Danville, WV 25053	203 DOH Garage Road Danville, WV 25053	Keither Baisden	304-369-7808 keither.r.baisden@wv.gov	0103	-81.843373	38.102447
Boone	Seth	9288 Coal River Road Seth, WV 25181	203 DOH Garage Road Danville, WV 25053	Keither Baisden	304-369-7808 keither.r.baisden@wv.gov	0103	-81.618629	38.118449
Clay	Widen Road & CR 11	4476 Triplett Ridge Road Clay, WV 25043	4476 Triplett Ridge Road Clay, WV 25043	Terry Legg	304-587-4241 terry.a.legg@wv.gov	0108	-81.010867	38.486246
Clay	Maysel	Route 4 Maysel, WV 25133	4476 Triplett Ridge Road Clay, WV 25043	Terry Legg	304-587-4241 terry.a.legg@wv.gov	0108	-81.117424	38.486493
Kanawha	Chelyan	14987 MacCorkle Avenue Cabin Creek, WV 25035	1340 Smith Street Charleston, WV 25301	Robert Atkins	304-595-1313 robert.atkins@wv.gov	0123	-81.497033	38.19629
Kanawha	Elkview	115 Frame Road Elkview, WV 25071	115 Frame Road Elkview, WV 25071	Jonathan Armentrout	304-965-2860 Jonathan.L.Armentrout@wv.gov	0122	-81.481982	38.446712
Kanawha	North Charleston	2800 W. Washington Charleston, WV 25387	2800 W. Washington Charleston, WV 25387	Randy Hammond	304-744-3050 randy.d.hammond@wv.gov	0121	-81.678822	38.377941
Kanawha	St. Albans	2334 MacCorkle Avenue St Albans, WV 25177	2334 MacCorkle Avenue St. Albans, WV 25177	Stephen Harmon	304-722-0600 stephen.c.harmon@wv.gov	0124	-81.806165	38.385269
Kanawha	I-64 @ Rt. 119 and Penn. Ave.	2266 Pennsylvania Avenue Charleston, WV 25302	2266 Pennsylvania Avenue Charleston, WV 25302	Robert Blaylock	304-342-2520 Robert.D.Blaylock@wv.gov	0172	-81.607311	38.370262
Kanawha	I-77 @ Sissonville	36 Allen Fork Road Sissonville, WV 25320	36 Allen Fork Road Sissonville, WV 25320	Mike Danley	304-988-3241 michael.J.Danley@wv.gov	0173	-81.635435	38.56279
Kanawha	I-79 @ Amma	3134 Amma Road Amma, WV 25005	3134 Amma Road Amma, WV 25005	Kenny Miller	304-565-9801 kenny.a.miller@wv.gov	0174	-81.272707	38.569686
Kanawha	Corridor G @ Alum Creek	401 Champion Drive South Charleston, WV 25309	401 Champion Drive South Charleston, WV 25309	Jackie Blankenship	304-756-3634 jackie.p.blankenship@wv.gov	0182	-81.78225	38.277597
Mason	Glenwood	WV Route 2 Glenwood, WV 25520	225 Fairground Road Point Pleasant, WV 25550	Clarence Pruett	304-675-0853 Clarence.J.Pruett@wv.gov	0127	-82.203569	38.588011
Mason	Pt. Pleasant Fairground Rd.	225 Fairground Road Point Pleasant, WV 25550	225 Fairground Road Point Pleasant, WV 25550	Clarence Pruett	304-675-0853 Clarence.J.Pruett@wv.gov	0127	-82.08445	38.919207
Mason	Pt. Pleasant Jackson Ave	2702 Jackson Avenue Point Pleasant, WV 25550	2702 Jackson Avenue Point Pleasant, WV 25550	Raine Beller	304-759-0713 raine.o.beller@wv.gov	0164	-82.123942	38.871796
Putnam	Red House	Route 62 Box 2 Red House, WV 25168	3526 Teays Valley Road Hurricane, WV 25526	Jesse Miller	304-586-2023 jesse.d.miller@wv.gov	0140	-81.88298	38.545751
Putnam	Hurricane @ Rt. 34	3256 Teays Valley Road Hurricane, WV 25526	3256 Teays Valley Road Hurricane, WV 25526	Jesse Miller	304-586-2023 jesse.d.miller@wv.gov	0140	-82.010375	38.435133
Putnam	I-64 @ Scary Creek	704 Winfield Road St. Albans, WV 25177	704 Winfield Road St. Albans, WV 25177	Kenny Nelson	304-759-0713 kenneth.nelson@wv.gov	0140	-81.850927	38.438286

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

DISTRICT 2 - WVDOH

County	Delivery/ Storage Location Site	Physical Address	Bill-to Address	Contact Name	Contact Phone #	Contact Email Address	Org	Location	Long	Lat
Cabell	Barboursville	6200 Route 60 East Barboursville, WV 25504	P.O. Box 880 Huntington, WV 25712	Candis Adkins Tony Edmonds	304-736-3111 304-736-3111	candis.d.adkins@wv.gov tony.s.edmonds@wv.gov	0206	Cabell County Headquarters	-82.26687	38.41030
Cabell	I-64 @ Huntington	3100 16th Street Road Huntington, WV 25704	P.O. Box 880 Huntington, WV 25712	Jerry Pullen Kevin Manns	304-528-5669 304-528-5669	jerry.i.pullen@wv.gov kevin.r.manns@wv.gov	0271	Huntington 1-64 Section 1	-82.40061	38.39190
Lincoln	West Hamlin	7338 State Route 10 West Hamlin, WV 25571	P.O. Box 880 Huntington, WV 25712	Cynthia Lucas Linda Adkins	304-824-3434 304-824-3434	cynthia.d.lucas@wv.gov linda.g.adkins@wv.gov	0222	Lincoln County Headquarters	-82.19760	38.27505
Lincoln	Yawkey	WV State Route 3 Yawkey, WV 25573	P.O. Box 880 Huntington, WV 25712	Cynthia Lucas Linda Adkins	304-824-3434 304-824-3434	cynthia.d.lucas@wv.gov linda.g.adkins@wv.gov	0222	Yawkey Substation	-81.95801	38.22181
Lincoln	Harts	McClellan Highway Harts, WV 25524	P.O. Box 880 Huntington, WV 25712	Cynthia Lucas Linda Adkins	304-824-3434 304-824-3434	cynthia.d.lucas@wv.gov linda.g.adkins@wv.gov	0222	Harts Substation	-82.13931	38.03799
Logan	Corridor G @ Chapmanville	8100 Old Logan Road Chapmanville, WV 25508	P.O. Box 880 Huntington, WV 25712	Elizabeth Spry Larry Hubbard	304-792-7030 304-792-7030	elizabeth.a.spry@wv.gov larry.e.hubbard@wv.gov	0282	Coord G Sect 2 Chapmanville	-82.00658	37.93572
Logan	Wilkinson	127 Springfield Road Wilkinson, WV 25653	P.O. Box 880 Huntington, WV 25712	Elizabeth Spry Larry Hubbard	304-792-7030 304-792-7030	elizabeth.a.spry@wv.gov larry.e.hubbard@wv.gov	0223	Wilkinson Substation	-81.99707	37.82639
Logan	Man	4801 Buffalo Creek Road Amherstdale, WV 25607	P.O. Box 880 Huntington, WV 25712	Elizabeth Spry Larry Hubbard	304-792-7030 304-792-7030	elizabeth.a.spry@wv.gov larry.e.hubbard@wv.gov	0223	Man Substation	-81.81131	37.78555
Mingo	Corridor G @ Miller's Creek Building #03011	1 Highway Garage Road Williamson, WV 25661	P.O. Box 880 Huntington, WV 25712	Tristan Spaulding Justin Pinson	304-235-6003 304-235-6060	tristan.a.spaulding@wv.gov justin.pinson@wv.gov	0281	Coord G Sect 1 Millers Creek	-82.29806	37.76889
Mingo	Mingo County @Miller's Creek Building #03025	1 Highway Garage Road Williamson, WV 25661	P.O. Box 880 Huntington, WV 25712	Tristan Spaulding Justin Pinson	304-235-6003 304-235-6060	tristan.a.spaulding@wv.gov justin.pinson@wv.gov	0230	Mingo County Headquarters	-82.29799	37.76891
Mingo	Gilbert	US 52 Gilbert, WV 25621	P.O. Box 880 Huntington, WV 25712	Tristan Spaulding Justin Pinson	304-235-6003 304-235-6060	tristan.a.spaulding@wv.gov justin.pinson@wv.gov	0230	Gilbert Substation	-81.90345	37.62876
Wayne	Pritchard	1249 Prichard Road Prichard, WV 25555	P.O. Box 880 Huntington, WV 25712	Kimberly Conway Glenn Matthews	304-272-5127 304-486-5010	kimberly.j.conway@wv.gov glenn.a.matthews@wv.gov	0250	Prichard Substation	-82.59150	38.24342
Wayne	Wayne	326 Third Street Wayne, WV 25571	P.O. Box 880 Huntington, WV 25712	Kimberly Conway Glenn Matthews	304-272-5127 304-486-5010	kimberly.j.conway@wv.gov glenn.a.matthews@wv.gov	0250	Wayne County Headquarters	-82.44212	38.22584
Wayne	Crum	20351 Tolsia Highway Crum, WV 25669	P.O. Box 880 Huntington, WV 25712	Kimberly Conway Glenn Matthews	304-528-5681 304-486-5010	kimberly.j.conway@wv.gov glenn.a.matthews@wv.gov	0250	Crum Substation	-82.42865	37.93577

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

DISTRICT 3 - WVDOH

County	Delivery/ Storage Location Site	Physical Address	Bill-to Address	Contact Name	Contact Phone #/Email Address	Org	Location	Long	Lat
Calhoun	Millstone	7619 S. Calhoun Highway	624 Depot Street	Chris Carter	304-420-4710	0307	Calhoun County Headquarters	-81.1087	38.83870
		Millstone, WV 25261	Parkersburg, WV 26101		chris.l.carter@wv.gov				
Jackson	Ripley	946 Claylick Road	624 Depot Street	Scott Whited	304-372-7857	0318	Jackson County Headquarters	-81.7335	38.83290
		Ripley, WV 25271	Parkersburg, WV 26101		scott.r.whited@wv.gov				
Jackson	I-77 @ Medina	2600 Medina Road	624 Depot Street	Dale Smith	304-420-4610	0372	Medina Substation	-81.6274	38.99560
		Ravenswood, WV 26164	Parkersburg, WV 26101		dale.g.smith@wv.gov				
Pleasants	Belmont	WV Route 2	624 Depot Street	Amanda Nichols	304-420-4705	0337	Pleasants County Headquarters	-81.2637	39.38040
		Belmont, WV 26134	Parkersburg, WV 26101		amanda.l.nichols@wv.gov				
Ritchie	APD Pennsboro	41 Ritchie Industrial Park Road	624 Depot Street	Joshua Cline	304-659-3027	0382	APD Pennsboro		
		Pennsboro, WV 26415	Parkersburg, WV 26101		joshua.c.cline@wv.gov				
Ritchie	Ellenboro	731 Ellenboro Road	624 Depot Street	Paula Haught	304-420-4706	0343	Harrisville Substation	-81.0448	39.24700
		Harrisville, WV 26362	Parkersburg, WV 26101		paula.d.haught@wv.gov				
Ritchie	Corridor D @ Nutter Farm	Nutter Farm @ US 50	624 Depot Street	JoAnn Hardin	304-420-4703	0383	APD Ellenboro	-81.0226	39.27270
		Cairo, WV 26337	Parkersburg, WV 26101		joann.hardin@wv.gov				
Ritchie	Smithville	#18 Main Street	624 Depot Street	Paula Haught	304-420-4706	0343	Smithville Substation	-81.0894	39.07430
		Smithville, WV 26178	Parkersburg, WV 26101		paula.d.haught@wv.gov				
Roane	Lefthand @ WV 36	9734 Clay Road	624 Depot Street	Maridith Parker	304-927-0962	0344	WV 36 - Left Hand	-81.2376	38.62510
		Left Hand, WV 25251	Parkersburg, WV 26101		Maridith.r.Parker@wv.gov				
Roane	Ambler Ridge @ US 119	US 119 @ Ambler Ridge	624 Depot Street	Maridith Parker	304-927-0962	0344	Ambler Ridge Substation	-81.3887	38.59600
		Walton, WV 25286	Parkersburg, WV 26101		Maridith.r.Parker@wv.gov				
Roane	Spencer	269 Charleston Road	624 Depot Street	Maridith Parker	304-927-0962	0344	Roane County Headquarters	-81.3584	38.78480
		Spencer, WV 25276	Parkersburg, WV 26101		Maridith.r.Parker@wv.gov				
Wirt	Elizabeth	610 Schoolview Street	624 Depot Street	Chasity Stephens	304-420-4707	0343	Harrisville Substation	-81.0448	39.24700
		Elizabeth, WV 26143	Parkersburg, WV 26101		chasity.r.stephens@wv.gov				
Wood	Parkersburg @ Rt. 95S	905 Lubeck Avenue	624 Depot Street	Tammy McCauley	304-420-4700	0371	I-77 Section 1 (Parkersburg)	-81.5032	39.23650
		Parkersburg, WV 26101	Parkersburg, WV 26101		tammy.m.mccauley@wv.gov				
Wood	I-77 @ Parkersburg	1758 Mill Run Road	624 Depot Street	JoAnn Hardin	304-420-4703	0371	I-77 Section 1 (Parkersburg)	-81.5032	39.23650
		Parkersburg, WV 26101	Parkersburg, WV 26101		joann.hardin@wv.gov				
Wood	Corridor D @ Riverhill	253 @ River Hill Road	624 Depot Street	JoAnn Hardin	304-420-4703	0382	US 50 River Hill		
		Washington, WV 26181	Parkersburg, WV 26101		joann.hardin@wv.gov				

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

DISTRICT 4 - WVDOH

County	Delivery/ Storage Location Site	Physical Address	Bill-to Address	Contact Name	Contact Phone #	Contact Email Address	Org	Location	Long	Lat
Doddridge	Smithburg	Old Route 50 Smithburg, WV 26456	P. O. Box 4220 Clarksburg, WV 26302	Dave Alexander Tonya Gum	304-627-2412 304-627-2412	david.p.alexander@wv.gov tonya.l.gum@wv.gov	0409	Doddridge County Headquarters	-80.745100	39.297700
Harrison	Gore	Route 20 Gore, WV 26301	P. O. Box 4220 Clarksburg, WV 26302	Wayne Marrs	304-627-2140 304-627-2140	lewis.w.marrs@wv.gov	0417	Harrison County Headquarters (Gore)	-80.354000	39.309600
Harrison	Saltwell	Exit 125 off I-79, North of Clarksburg, WV 26301	P. O. Box 4220 Clarksburg, WV 26302	Bob Suan Cole Williams	304-627-2411 304-627-2411	bob.g.suan@wv.gov cole.s.williams@wv.gov	0472		-80.221899	39.335847
Harrison	I-79 @ Lost Creek	Exit 110 off I-79 Lost Creek, WV 26385	P. O. Box 4220 Clarksburg, WV 26302	Bob Suan Cole Williams	304-627-2411 304-627-2411	bob.g.suan@wv.gov cole.s.williams@wv.gov	0472	Lost Creek Substation	-80.343700	39.171700
Harrison	APD 50 @ Tunnel Hill	Jct US 50 & Co Route 50/7 Tunnel Hill, WV 26426	P. O. Box 4220 Clarksburg, WV 26302	Cliff Fulton Robbie Wilmoth	304-627-2410 304-627-2410	clifford.w.fulton@wv.gov robert.a.wilmoth@wv.gov	0482	Tunnel Hill Substation	-80.510400	39.292500
Marion	Fairmont	916 Country Club Road Fairmont, WV 26554	P. O. Box 4220 Clarksburg, WV 26302	Jeff Pethtel Lois Nunan	304-627-2730 304-367-2730	jeff.l.pethtel@wv.gov lois.j.nunan@wv.gov	0425	Marion County Headquarters	-80.166600	39.468600
Marion	Mannington	US Route 250 Mannington, WV 26582	P. O. Box 4220 Clarksburg, WV 26302	Don Luzadder Lois Nunan	304-986-2600 304-367-2730	donald.e.luzadder@wv.gov lois.j.nunan@wv.gov	0425	Mannington Substation	-80.324400	39.519500
Monongalia	I-79 @ Goshen Road	Exit 146 off I-79 Goshen Road, WV 26508	P. O. Box 4220 Clarksburg, WV 26302	Ron Cumpston Donald Bragg	304-285-3145 304-692-6364	ronald.e.cumpston@wv.gov donald.l.bragg@wv.gov	0471	Goshen Road Substation	-79.990500	39.537800
Monongalia	Ridgedale	1510 Grafton Road Morgantown, WV 26508	P. O. Box 4220 Clarksburg, WV 26302	Michelle Carroll Laura Vincent	304-285-3207 304-285-3207	michelle.g.carroll@wv.gov laura.m.vincent@wv.gov	0431	Monongalia County Headquarters	-79.943900	39.560500
Monongalia	Pentress	WV Route 7 Pentress, WV 26544	P. O. Box 4220 Clarksburg, WV 26302	Jim Compton Michelle Carroll	304-879-5275 304-285-3207	leroy.j.compton@wv.gov michelle.g.carroll@wv.gov	0431	Pentress Substation	-80.207200	39.719200
Preston	Bruceton Mills	WV Route 26 South of Bruceton Mills, WV 26525	P. O. Box 4220 Clarksburg, WV 26302	Blain Bowmar	304-329-0192	blain.a.bowmar@wv.gov	0439	Bruceton Mills Substation	-79.641000	39.647200
Preston	Albright	216 St. Joe Road Albright, WV 26519	P. O. Box 4220 Clarksburg, WV 26302	Blain Bowmar Margie Waybright	304-329-0192 304-329-0192	blain.a.bowmar@wv.gov margorie.a.waybright@wv.gov	0439	Preston County Headquarters	-79.632100	39.483900
Preston	Terra Alta	WV Route 7 East of Terra Alta, WV 26764	P. O. Box 4220 Clarksburg, WV 26302	Blain Bowmar	304-329-0192	blain.a.bowmar@wv.gov	0439	Terra Alta Substation	-79.514900	39.438300
Preston	Fellowsville	US Route 50 East of Fellowsville, WV 26444	P. O. Box 4220 Clarksburg, WV 26302	Blain Bowmar	304-329-0192	blain.a.bowmar@wv.gov	0439	Fellowsville Substation	-79.812300	39.327300
Preston	Aurora	US Route 50 West of Aurora, WV 26705	P. O. Box 4220 Clarksburg, WV 26302	Blain Bowmar	304-329-0192	blain.a.bowmar@wv.gov	0439	Aurora Substation	-79.568200	39.317000
Preston	I-68 @ Cooper's Rock	Exit 15 off I-68 Coopers Rock, WV 26525	P. O. Box 4220 Clarksburg, WV 26302	Tina Bragg Richard Coddington	304-285-3206 304-285-3206	tina.m.bragg@wv.gov richard.l.coddington@wv.gov	0473	Coopers Rock Substation	-79.776830	39.659669
Taylor	Fetterman/Prunytown	US 250 East of Prunytown, WV 26354	P. O. Box 4220 Clarksburg, WV 26302	John Corio Lisa Altman	304-265-6110 304-265-6110	john.r.corio@wv.gov lisa.l.altman@wv.gov	0446	Taylor County Headquarters	-80.065800	39.322100

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

DISTRICT 5 - WVDOH

County	Delivery/ Storage Location Site	Physical Address	Bill-to Address	Contact Name	Contact Phone #/Email Address	Org	Location	Long	Lat
Berkeley	I-81 @ Martinsburg - 0571 Storage Bldg	1867 Rock Cliff Drive Martinsburg, WV 25401	1867 Rock Cliff Drive Martinsburg, WV 25401	Glenn Oden	304-267-0085 merle.g.oden@wv.gov	0571	I-81 Interstate HQ	-77.9667	39.49226
Berkeley	1867 Rock Cliff Drive - 0502 Storage Bldg	1867 Rock Cliff Drive Martinsburg, WV 25401	1867 Rock Cliff Drive Martinsburg, WV 25401	Nancy Minnick	304-267-0060 nancy.e.minnick@wv.gov	0502	Tabler Station	-78.02559	39.40807
Berkeley	I-81 @ Exit 8	Behind Park n Ride Exit 8 South Bound 25401	1867 Rock Cliff Drive Martinsburg, WV 25401	Nancy Minnick	304-267-0060 nancy.e.minnick@wv.gov	0502	Berkeley County HQ	-77.9667	39.49226
Grant	Petersburg	H.C. 59, Box 245 (Route 28) Petersburg, WV 26847	H.C. 59, Box 245 Petersburg, WV 26847	Glenna Lott	304-257-4455 glenna.d.lott@wv.gov	0512	Grant Co HQ	-79.17084	39.004214
Grant	Mt. Storm	Corner of WV 42 & Route 50 Mt. Storm, WV 26739	H.C. 59, Box 245 Petersburg, WV 26847	Glenna Lott	304-257-4455 glenna.d.lott@wv.gov	0512	Mount Storm Substation	-79.24079	39.275529
Grant	Corridor H @ Knobley Road	US Route 48 (off of Corridor H) Maysville, WV 26833	2104 State Route 55 Moorefield, WV 26836	Tammy Crites	304-434-2228 tammy.l.crites2@wv.gov	0583	Knobley	-79.13427	39.1527
Hampshire	Romney	H. C. 64, Box 232 (Jersey Mtn. Road) Romney, WV 26757	H.C. 64, Box 232 Romney, WV 26847	Autumn Kiser	304-822-4167 autumn.d.kiser@wv.gov	0514	Hampshire County HQ	-78.71298	39.34021
Hampshire	Capon Bridge	Route 50 Capon Bridge, WV 26711	H.C. 64, Box 232 Romney, WV 26847	Autumn Kiser	304-822-4167 autumn.d.kiser@wv.gov	0514	Capon Bridge Substation	-78.43888	39.300615
Hampshire	Slanesville	Route 29 Slanesville, WV 25444	H.C. 64, Box 232 Romney, WV 26847	Autumn Kiser	304-822-4167 autumn.d.kiser@wv.gov	0514	Slanesville	-78.50462	39.378318
Hardy	Moorefield	2104 State Route 55 Moorefield, WV 26836	2104 State Route 55 Moorefield, WV 26836	Donna Eye	304-434-2525 donna.k.eye@wv.gov	0516	Hardy County HQ	-78.93765	39.067901
Hardy	Baker	County Route 29 Baker, WV 26801	2104 State Route 55 Moorefield, WV 26836	Donna Eye	304-434-2525 donna.k.eye@wv.gov	0516	Baker Substation	-78.72676	39.063316
Jefferson	Charles Town - 0519 Storage Bldg	1301 Leetown Pike Kearneysville, WV 25430	1301 Leetown Pike Kearneysville, WV 25430	Leslie Stout	304-725-5821 leslie.r.stout@wv.gov	0519	Jefferson County HQ	-77.91561	39.336894
Jefferson	Charles Town - New Shed - 0564 Storage Bldg	1301 Leetown Pike (on same lot as above)	1301 Leetown Pike Kearneysville, WV 25430	Kevin Dodson	304-725-5821 kevin.m.dodson@wv.gov	0564	9/340 Expressway HQ	-77.91561	39.336894
Mineral	New Creek	HC 72, Box 72AA (US Route 50) New Creek, WV 26743	H.C. 72, Box 72AA New Creek, WV 26743	Jessica Paugh	304-788-1221 jessica.l.paugh@wv.gov	0529	Mineral County HQ	-79.04336	39.360905
Mineral	Sky Line (Elk Garden)	Route 42 Elk Garden, WV 26717	H.C. 72, Box 72AA New Creek, WV 26743	Jessica Paugh	304-788-1221 jessica.l.paugh@wv.gov	0529	Skyline Substation	-79.13001	39.324313
Mineral	Short Gap	Route 28 Ridgeley, WV 26753	H.C. 72, Box 72AA New Creek, WV 26743	Jessica Paugh	304-788-1221 jessica.l.paugh@wv.gov	0529	Short Gap Substation	-78.80772	39.537577
Mineral	District Headquarters (Burlington)	US Route 50 Burlington, WV 26710	P.O. Box 99 Burlington, WV 26710	Jim Wolford	304-289-2261 jim.d.wolford@wv.gov	0567	District 5 HQ	-78.91364	39.338331
Morgan	Berkeley Springs	166 DOH Lane (off of US 522) Berkeley Springs, WV 25411	166 DOH Lane Berkeley Springs, WV 25411	Jane Munson	304-258-2578 jane.e.munson@wv.gov	0533	Morgan County Hq	-78.24245	39.603317
Morgan	Largent	Route 9 Great Cacapon, WV 25422	166 DOH Lane Berkeley Springs, WV 25411	Jane Munson	304-258-2578 jane.e.munson@wv.gov	0533	Largent Substation	-78.38059	39.481842

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

DISTRICT 6 - WVDOH

County	Delivery/ Storage Location Site	Physical Address	Bill-to Address	Contact Name	Contact Phone #/Email Address	Org	Location	Long	Lat
Brooke	Wellsburg	WV Route 2, Box 615 Wellsburg, WV 26070	WV Route 2, Box 615 Wellsburg, WV	Beth Green	304-238-1199 beth.a.green@wv.gov	0605	Brooke County HQ	-80.609200	40.291300
Brooke	Weirton	1225 Rice Road Weirton, WV 26062	WV Route 2, Box 615 Wellsburg, WV 26070	Beth Green	304-238-1199 beth.a.green@wv.gov	0605	US 22 Substation	-80.567662	40.395117
Hancock	New Manchester	1936 Veterans Blvd New Cumberland, WV 26047	1936 Veterans Blvd New Cumberland, WV	Vicki West	304-238-1200 vicki.l.west@wv.gov	0615	Hancock County HQ	-80.596400	40.528700
Marshall	Glen Dale	100 Wheeling Avenue Glen Dale, WV 26038	100 Wheeling Avenue Glen Dale, WV	Doris McCardle	304-843-4055 doris.v.mccardle@wv.gov	0626	Marshall County HQ	-80.753200	39.954600
Marshall	Cameron	33 Courtright Lane Cameron, WV 26033	100 Wheeling Avenue Glen Dale, WV 26038	Doris McCardle	304-843-4055 doris.v.mccardle@wv.gov	0626	Cameron Substation	-80.554600	39.819600
Marshall	Sand Hill	RD 4, Box 269A Cameron, WV 26033	100 Wheeling Avenue Glen Dale, WV 26038	Doris McCardle	304-843-4055 doris.v.mccardle@wv.gov	0626	Sand Hill Substation	-80.542377	39.952418
Marshall	Lynn Camp	438 Richmond Lane Glen Easton, WV 26039	100 Wheeling Avenue Glen Dale, WV 26038	Doris McCardle	304-843-4055 doris.v.mccardle@wv.gov	0626	Lynn Camp Substation	-80.674667	39.810047
Ohio	Triadelphia	3870 National Road Triadelphia, WV 26059	3870 National Road Triadelphia, WV	Tequila Oliver	304-238-1202 tequila.a.oliver@wv.gov	0626	Ohio County HQ	-80.635600	40.047500
Ohio	I-70 @ Triadelphia	566 Woodland Acres Road Wheeling, WV 26003	566 Woodland Acres Road Wheeling, WV 26003	Valerie White	304-238-1202 valerie.m.white@wv.gov	0671	I-70 Interstate HQ	-80.634341	40.044256
Tyler	Sistersville	730 Tyler Highway Sistersville, WV 26175	2566 Tyler Highway Sistersville, WV	Thelma Deaton	304-843-4057 thelma.f.deaton@wv.gov	0648	Tyler County HQ	-80.965163	39.540286
Tyler	Centerville	4901 Middle Island Road Alma, WV 26320	730 Tyler Highway Sistersville, WV	Thelma Deaton	304-843-4057 thelma.f.deaton@wv.gov	0648	Centerville Substation	-80.835687	39.412453
Wetzel	New Martinsville	N. State Route 2, Box 641 New Martinsville, WV 26155	N. State Route 2, Box 641 New Martinsville, WV	Donna Palmer	304-843-4058 donna.l.palmer@wv.gov	0652	Wetzel County HQ	-80.856100	39.682300
Wetzel	Pine Grove	WV 20, MP 17.14 Pine Grove, WV 26419	N. State Route 2, Box 641 New Martinsville, WV	Donna Palmer	304-843-4058 donna.l.palmer@wv.gov	0652	Pine Grove Substation	-80.696000	39.564700
Wetzel	Hundred	US 250, MP3.00 Hundred, WV 26575	N. State Route 2, Box 641 New Martinsville, WV	Donna Palmer	304-843-4058 donna.l.palmer@wv.gov	0652	Hundred Substation	-80.443000	39.670500

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

DISTRICT 7 - WVDOH

County	Delivery/ Storage Location	Physical Address	Bill-to Address	Contact Name	Contact Phone#/Email Address	Org	Location	Long	Lat
Barbour	Phillipi	1439 Mansfield Drive Phillipi, WV 26416	P. O. Box 1228 Weston, WV 26452	Delphia Shrader	304-457-1597 delphia.l.shrader@wv.gov	0701	Barbour County HQ (000111)	-80.0659	39.1421
Barbour	Belington	248 Dunham Cut Road Belington, WV 26250	P. O. Box 1228 Weston, WV 26452	Delphia Shrader	304-457-1597 delphia.l.shrader@wv.gov	0701	Belington Substation (000113)	-79.9225	309.0332
Braxton	Gassaway	1001 State Street Gassaway, WV 26624	P. O. Box 1228 Weston, WV 26452	Debra Quinn	304-364-5238 debra.l.quinn@wv.gov	0704	Braxton County HQ (000444)	-80.7528	38.6608
Braxton	Heaters	5206 Gauley Turnpike Heaters, WV 26627	P. O. Box 1228 Weston, WV 26452	Debra Quinn	304-364-5238 debra.l.quinn@wv.gov	0704	Heaters Substation (000431)	-80.6252	38.7622
Braxton	I-79 @ Coon Knob	80 Coon Knob, DOH Road Sutton, WV 26601	P. O. Box 1228 Weston, WV 26452	Eric Belknap	304-364-8440 Eric.D.Belknap@wv.gov	0771	Coon Knob Substation (000405)	-80.7563	38.6213
Braxton	I-79 @ Burnsville	888 Burnsville Road Burnsville, WV 26335	P. O. Box 1228 Weston, WV 26452	Scottie Stout	304-853-2454 Scottie.J.Stout@wv.gov	0772	Burnsville Substation (000432)	-80.6739	38.8659
Gilmer	Glenville	3531 US 33, East Glenville, WV 26351	P. O. Box 1228 Weston, WV 26452	Cathy Shackelford	304-462-7325 cathy.a.shackelford@wv.gov	0711	Gilmer County HQ (001110)	-80.7926	38.9619
Lewis	Weston (Ben Dale)	937 US 19, South Weston, WV 26452	P. O. Box 1228 Weston, WV 26452	Monica Rogers	304-269-0470 monica.m.rogers@wv.gov	0721	Lewis County Headquarters (002108)	-80.4764	39.0169
Lewis	Corridor H @ Mudlick	309 Mudlick Road Weston, WV 26452	P. O. Box 1228 Weston, WV 26452	Roger Sisk	304-473-4304 roger.l.sisk@wv.gov	0782	APD (Weston Mudlick) (002187)	-80.4311	39.0206
Upshur	Clow Lot @ Buckhannon	493 Mudlick Road Buckhannon, WV 26201	P. O. Box 1228 Weston, WV 26452	Aleece Williams	304-473-4225 c.aleece.williams@wv.gov	0749	Upshur County HQ (004912)	-80.2546	39.0116
Upshur	Tennerton	646 Route 20, South Buckhannon, WV 26201	P. O. Box 1228 Weston, WV 26452	Aleece Williams	304-473-4225 c.aleece.williams@wv.gov	0749	Upshur County SubHQ (004903)	-80.3495	38.7718
Upshur	Kanawha Head	18022 Route 20, South Buckhannon, WV 26201	P. O. Box 1228 Weston, WV 26452	Aleece Williams	304-473-4225 c.aleece.williams@wv.gov	0749		-80.3508	-38.7806
Webster	Cherry Falls	808 Point Mountain Road Webster Springs, WV 26288	P. O. Box 1228 Weston, WV 26452	Theresa Gibson	304-847-2114 theresa.j.gibson@wv.gov	0751		-80.3937	-38.4646
Webster	Cowen	6402 Webster Road Cowen, WV 26206	P. O. Box 1228 Weston, WV 26452	Theresa Gibson	304-847-2114 theresa.j.gibson@wv.gov	0751	RT 20 Near Cowen Substation (0051)	-80.5354	38.4094
Webster	Hacker Valley	56 Pickens Grade Road Hacker Valley WV 26222	P. O. Box 1228 Weston, WV 26452	Theresa Gibson	304-847-2114 theresa.j.gibson@wv.gov	0751	Hacker Valley Substation (005120)	-80.3799	38.6519

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

DISTRICT 8 - WVDOH

County	Delivery/ Storage Location Site	Physical Address	Bill-to Address	Contact Name	Contact Phone #/Email Address	Org	Location	Loc Desc	Long	Lat
Pendleton	Franklin, 220 North	3153 Petersburg Pike US 220N, Franklin, WV 26807	P. O. Box 1516 Elkins, WV 26241	Dywayne Stout	304-358-2702 albert.h.hartman@wv.gov	0836	Rt 220 North Lot	US 220 -- 2.20 Mi. North Jct. US 33 & US 220	-79.326894	38.682757
Pendleton	Judy Gap	12795 Mountaineer Drive US 33, Riverton, WV 26814	P. O. Box 1516 Elkins, WV	Dywayne Stout	304-358-2702 albert.h.hartman@wv.gov	0836	Judy Gap Substation	US 33 - 0.5 mi. North of Jct. US 33 & WV 28	-79.467481	38.711186
Pendleton	Brandywine	12211 Blue Gray Trail CR 21, Brandywine, WV 26802	P. O. Box 1516 Elkins, WV	Dywayne Stout	304-358-2702 albert.h.hartman@wv.gov	0836	Brandywine Stockpile	US 33 -- 0.60 Mi. East of Jct. CR 21 & US 33	-79.236129	38.622249
Pendleton	Onego	3354 Allegheny Drive US 33, Seneca Rocks, WV 26884	P. O. Box 1516 Elkins, WV	Dywayne Stout	304-358-2702 albert.h.hartman@wv.gov	0836	Onego Stockpile	US 33 -- 0.50 Mi. West of Jct. US 33 & CR 5/3	-79.426343	38.852193
Pendleton	Franklin, 220 South	6591 Upper South Branch Road US 220S, Franklin, WV 26807	P. O. Box 1516 Elkins, WV 26241	Dywayne Stout	304-358-2702 albert.h.hartman@wv.gov	0836	Rt 220 South Lot	US 220 -- 2.07 Mi. North of Jct. CO 25 & US 220	-79.410338	38.585892
Pocahontas	Marlinton	25 Brush Country Rd US 219, Marlinton, WV 24954	P. O. Box 1516 Elkins, WV 26241	Josh Dilley	304-799-4867 joshua.l.dilley@wv.gov	0838	Pocahontas County HQ	US 219 -- At Jct. US 219 & CR 15	-80.087167	38.238067
Pocahontas	Seebert	863 Seebert Rd CR 27, Seebert, WV 24946	P. O. Box 1516 Elkins, WV 26241	Josh Dilley	304-799-4867 joshua.l.dilley@wv.gov	0838	Seebert Stockpile	CR 27 -- 1.0 Mile East of US 219	-80.186737	38.136082
Pocahontas	Greenbank	4757 Potomac Highlands Trail WV 28, Green Bank, WV 24944	P. O. Box 1516 Elkins, WV 26241	Josh Dilley	304-799-4867 joshua.l.dilley@wv.gov	0838	Green Bank Substation	WV 28 -- 0.50 Mi. South of Jct. WV 28 & CR 27	-79.842462	38.416242
Pocahontas	Bartow (Thornwood)	156 Thornwood Rd WV 28, Bartow, WV 24920	P. O. Box 1516 Elkins, WV 26241	Josh Dilley	304-799-4867 joshua.l.dilley@wv.gov	0838	Bartow Lot	CO 28/19 -- 0.17 Mi. North of Jct. WV 28 & CO 28	-79.760539	38.547641
Pocahontas	Snowshoe	24 Shavers Lake Rd CR 9/3, Snowshoe, WV 26209	P. O. Box 1516 Elkins, WV 26241	Josh Dilley	304-799-4867 joshua.l.dilley@wv.gov	0838	Snowshoe Stockpile	CO 9/3 -- Silver Lake Road	-79.995836	38.435312
Pocahontas	Slaty Fork	35807 Seneca Trail US 219, Slaty Fork, WV 26291	P. O. Box 1516 Elkins, WV 26241	Josh Dilley	304-799-4867 joshua.l.dilley@wv.gov	0838	Slaty Fork Stockpile	US 219 -- 3.0 Miles South of WV 66	-80.098980	38.418395
Randolph	Elkins	76 Country Club Rd CR 219/11, Elkins, WV 26241	P. O. Box 1516 Elkins, WV 26241	Leonard Markley	304-637-0266 leonard.e.markley@wv.gov	0842	Randolph County HQ	0.10 MI. S. JCT 219/11 US219 7 US250	-79.848604	38.888936
Randolph	Harman	22445 Allegheny Highway US 33, Harman, WV 26270	P. O. Box 1516 Elkins, WV 26241	Leonard Markley	304-637-0266 leonard.e.markley@wv.gov	0842	Harman Substation	Intersection of US 33 & WV 32	-79.522874	38.921273
Randolph	Coalton	2453 Coalton-Pumpkintown Rd CR 53, Coalton, WV 26257	P. O. Box 1516 Elkins, WV 26241	Leonard Markley	304-637-0266 leonard.e.markley@wv.gov	0842	Coalton Substation	CR 53 -- near Jct. CR 53 & CR 5/3	-79.976773	38.907759
Randolph	Valley Head	245 Point Mountain Rd WV 15, Valley Head, WV 26294	P. O. Box 1516 Elkins, WV 26241	Leonard Markley	304-637-0266 leonard.e.markley@wv.gov	0842	Valley Head Substation	WV 15 -- 0.10 Mi. SW Jct. of US 219 & WV 15	-80.037778	38.551946
Randolph	Mill Creek	9407 Seneca Trail US 219, Mill Creek, WV 26280	P. O. Box 1516 Elkins, WV 26241	Leonard Markley	304-637-0266 leonard.e.markley@wv.gov	0842	Mill Creek Substation	US 250/US 219 -- 0.67 Mi. N. Jct. of CR 46	-79.966415	38.737338
Randolph	Pickens	1019 Pickens Rd CR 45, Pickens, WV 26230	P. O. Box 1516 Elkins, WV 26241	Leonard Markley	304-637-0266 leonard.e.markley@wv.gov	0842	Pickens Substation	CR 45 -- at the Jct. of CR 46/1 & CR 45	-80.200313	38.657067
Randolph	Corridor H Lot @ Elkins	489 Leading Creek Rd US 219N, Elkins, WV 26241	P. O. Box 1516 Elkins, WV 26241	David Skidmore	304-637-0220 david.r.skidmore@wv.gov	0882	Corridor H	US 48 -- 0.52 Mi. W CO 1 Connector	-79.850291	38.973147
Tucker	Parsons	9209 Seneca Trail US 219, Parsons, WV 26287	P. O. Box 1516 Elkins, WV 26241	Dennis Roth	304-478-2304 dennis.k.roth@wv.gov	0847	Tucker County HQ	US 219/WV 72 -- 0.10 Mi. S. Jct. CR 219/14	-79.655486	39.091667
Tucker	Thomas	15933 Appalachian Highway WV 32, Thomas, WV 26292	P. O. Box 1516 Elkins, WV 26241	Dennis Roth	304-478-2304 dennis.k.roth@wv.gov	0847	Thomas Substation	WV 32 -- at Jct. of CR 32/1	-79.656404	39.091800
Tucker	Corridor H Lot @ Thomas	15933 Appalachian Highway WV 32, Thomas, WV 26292	P. O. Box 1516 Elkins, WV 26241	Greg Roy	304-642-1140 no email	0883	Corridor H - Thomas	WV 32 -- at Jct. of CR 32/1	-79.495730	39.141724

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

DISTRICT 9 - WVDOH

County	Delivery/ Storage Location	Physical Address	Bill-to Address	Contact Name	Contact Phone #/Email Address	Org	Location	Long	Lat
Fayette	Oak Hill	3121 Main Street, WV 16 Oak Hill, WV 25901	146 Stonehouse Road Lewisburg, 24901	John Dixon	304-465-1832 john.c.dixonIII@wv.gov	0982	Oak Hill APD	-81.133700	37.999100
Fayette	Lookout	4064 Clifftop Road Lookout, WV 25868	146 Stonehouse Road Lewisburg, 24901	Michael Knight	304-574-0373 john.c.dixonIII@wv.gov	0910	Lookout Substation	-80.951700	38.048500
Fayette	Falls View	5727 Midland Trail Charlton Heights, WV 25040	146 Stonehouse Road Lewisburg, 24901	Wayne Coen	304-779-2860 eugene.coenjr@wv.gov	0910	Falls View Substation	-81.244500	38.125800
Greenbrier	Lewisburg	700 N Jefferson Street, US 219 Lewisburg, WV 24901	146 Stonehouse Road Lewisburg, 24901	Shaun Viers	304-647-7465 shaun.d.viers@wv.gov	0913	Greenbrier County HQ	-80.420600	37.822100
Greenbrier	Crawley	157 Midland Trail / West, US 60 Crawley, WV 24931	146 Stonehouse Road Lewisburg, 24901	Rick Viers	304-392-6712 richard.a.viers@wv.gov	0913	Crawley Substation	-80.632600	37.908100
Greenbrier	I-64 @ Hart's Run	297 John Bowling Jr Lane, Exit 175 off I-64 Caldwell, WV 24925	146 Stonehouse Road Lewisburg, 24901	Matt Curry	304-536-1472 matthew.r.curry@wv.gov	0971	Harts Run Substation	-80.347100	37.772300
Monroe	Union	875 Sweet Springs Valley Road Union, WV 24983	146 Stonehouse Road Lewisburg, 24901	Vacant	304-772-3037	0932	Monroe County HQ	-80.528100	37.592200
Monroe	Peterstown	511 Ballard-Red Sulphur Parkway Peterstown, WV 24963	146 Stonehouse Road Lewisburg, 24901	Elwin Dillon	304-753-9778	0932	Peterstown Substation	-80.794300	37.402600
Nicholas	Summersville	777 Turnpike Road, WV 39 Summersville, WV 26651	146 Stonehouse Road Lewisburg, 24901	Charles Reel	304-872-0811 charles.j.reel@wv.gov	0934	Nicholas County HQ	-80.867700	38.290100
Nicholas	Curtin	5498 Richwood Road Richwood, WV 26261	146 Stonehouse Road Lewisburg, 24901	Eddie Barlett	304-846-9501 charles.j.reel@wv.gov	0934	Curtin Substation	-80.635500	38.285400
Nicholas	Corridor L @ Muddlety	50 State Garage Road, Muddlety Summersville, WV 26651	146 Stonehouse Road Lewisburg, 24901	Terry Bosely	304-872-0823 Terry.J.Bosely@wv.gov	0983	Muddlety Substation	-80.829800	38.369900
Summers	Hinton	20414 State Route 12 Hinton, WV 25951	146 Stonehouse Road Lewisburg, 24901	James Hardy	304-466-2802 james.g.hardy@wv.gov	0945	Summers County HQ	-80.791100	37.620700

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

DISTRICT 10 - WVDOH

County	Delivery/ Storage Location Site	Physical Address	Bill-to Address	Contact Name	Contact Phone #	Contact Email Address	Org	Location	Long	Lat	Loc Desc
McDowell	Havaco	100 Headquarters Lane Havaco, WV 24801	270 Hardwood Lane Princeton, WV 24740	Andrew Thomas	304-436-6896	lloyd.a.thomas@wv.gov	1024	McDowell County HQ	-81.572303	37.399177	
				Patricia Wagers	304-436-8411	patricia.a.wagers@wv.gov					
McDowell	Yukon	383 Marshall Highway Yukon, WV 24892	270 Hardwood Lane Princeton, WV 24740	Andrew Thomas	304-436-6896	lloyd.a.thomas@wv.gov	1024	Yukon Substation	-81.696982	37.320782	
				Patricia Wagers	304-436-8411	patricia.a.wagers@wv.gov					
McDowell	Johnnycake Mountain	72 Coal Heritage Rd Johnny Cake, WV 24844	270 Hardwood Lane Princeton, WV 24740	Andrew Thomas	304-436-6896	lloyd.a.thomas@wv.gov	1024	Johnny Cake Substation	-81.811437	37.505975	
				Patricia Wagers	304-436-8411	patricia.a.wagers@wv.gov					
McDowell	Raysel	N 37.3461 W 81.7791 Raysel, WV 24879	270 Hardwood Lane Princeton, WV 24740	Andrew Thomas	304-436-6896	lloyd.a.thomas@wv.gov	1024	Raysal	-81.779132	37.346217	
				Patricia Wagers	304-436-8411	patricia.a.wagers@wv.gov					
Mercer	Princeton @ WV 20	454 New Hope Rd Princeton, WV 24740	270 Hardwood Lane Princeton, WV 24740	Kevin Belcher	304-425-2782	kevin.g.belchers@wv.gov	1028	Mercer County HQ	-81.115398	37.366396	WV 20 -- 0.10 Mi. W. of Princeton at Jct. WV 104
				Melissa D. Midkiff	304-425-2025	melissa.d.midkiff@wv.gov					
Mercer	Flat Top	21585 Beckley Road Flat Top, WV 25841	270 Hardwood Lane Princeton, WV 24740	Kevin Belcher	304-425-2782	kevin.g.belchers@wv.gov	1028	Flat Top Substation	-81.108332	37.587853	
				Melissa D. Midkiff	304-425-2025	melissa.d.midkiff@wv.gov					
Mercer	I-77 @ Princeton	320 Ambrose Lane Princeton, WV 24740	270 Hardwood Lane Princeton, WV 24740	Kevin Weiss	304-487-5280	kevin.e.weiss@wv.gov	1071	I-77 near Princeton	-81.055387	37.358522	
				Richard A. Cregger	304-487-5228	richard.a.cregger@wv.gov					
Raleigh	Skelton	379 Market Road Beckley, WV 25801	270 Hardwood Lane Princeton, WV 24740	Johnny Vass	304-256-6830	johnny.a.vass@wv.gov	1041	Raleigh County HQ	-81.188918	37.812597	Located on County route 21/04 at Skelton
				Marcia McGrady	304-256-6746	marcia.d.mcgrady@wv.gov					
Raleigh	Bolt	2314 Bolt Road Bolt, WV 25817	270 Hardwood Lane Princeton, WV 24740	Johnny Vass	304-256-6830	johnny.a.vass@wv.gov	1041	Bolt Substation	37.764016	37.764016	
				Marcia McGrady	304-256-6746	marcia.d.mcgrady@wv.gov					
Raleigh	I-64 @ Bragg	200 Samaritan Drive Shady Spring, WV 25918	270 Hardwood Lane Princeton, WV 24740	Joe Adkins	304-763-5312	r.joe.adkins@wv.gov	1072	Bragg Substation	-80.984845	37.773654	
Wyoming	Pineville	1409 Bearhole Rd (WV 97) Pineville, WV 24874	270 Hardwood Lane Princeton, WV 24740	Tom Ellis	304-732-7280	thomas.e.ellis@wv.gov	1055	Wyoming County HQ	-81.509619	37.591109	
				Eva England	304-732-7031	eva.m.england@wv.gov					
Wyoming	Still Run	9390 River Road Still Run, WV 25882	270 Hardwood Lane Princeton, WV 24740	Tom Ellis	304-732-7280	thomas.e.ellis@wv.gov	1055	Still Run Substation	-81.434440	37.578902	
				Eva England	304-732-7031	eva.m.england@wv.gov					
Wyoming	Hanover	2959 US 52 Hanover, WV 24839	270 Hardwood Lane Princeton, WV 24740	Tom Ellis	304-732-7280	thomas.e.ellis@wv.gov	1055	Hanover Outpost	-81.798082	37.572979	
				Eva England	304-732-7031	eva.m.england@wv.gov					

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

WV Parkways Authority

County	Parkways Authority Delivery/Storage Location Site	Physical Address	Bill-to Address	Site Contact Name	Site Contact Phone #	Site Contact Email Address	Location	Long	Lat	Loc Desc
Kanawha	Chelyan Maintenance	Slaughters Creek Rd at Rt 61 Chelyan Cabin Creek, WV 25035	WV Parkways, Finance Dept. PO Box 1469 Charleston, WV 25325-1469	Curtis Redden Kevin McLaughlin	304.640.0432 304.640.8611	credden@wvturnpike.com kmclaughlin@wvturnpike.com	Chelyan, I-77 Exit 85	-81.498655	38.194019	Across from Paul White Chevrolet Dealer
Kanawha	Standard Maintenance	6951 Paint Creek Road Standard, WV 25083	WV Parkways, Finance Dept. PO Box 1469 Charleston, WV 25325-1469	Curtis Redden Kevin McLaughlin	304.640.0432 304.640.8611	credden@wvturnpike.com kmclaughlin@wvturnpike.com	Standard, I-77 Exit 74	-81.386304	38.116673	Exit 74, south on state route 83 approximately 1 mile
Mercer	Princeton Maintenance	297 Ambrose Lane Princeton, WV 24740	WV Parkways, Finance Dept. PO Box 1469 Charleston, WV 25325-1469	Curtis Redden Kevin McLaughlin	304.640.0432 304.640.8611	credden@wvturnpike.com kmclaughlin@wvturnpike.com	Princeton, I-77 exit 9	-81.054155	37.359867	Behind Texas Steakhouse
Raleigh	Beckley Maintenance (seen from Interchange)	201 Pikeview Dr, Exit 44 Beckley, WV 25801	WV Parkways, Finance Dept. PO Box 1469 Charleston, WV 25325-1469	Curtis Redden Kevin McLaughlin	304.640.0432 304.640.8611	credden@wvturnpike.com kmclaughlin@wvturnpike.com	Beckley, I-77 Exit 44	-81.211852	37.799054	Exit 44, north on Pikeview drive approximately 1/2 mile
Raleigh	Ghent Maintenance (seen from Turnpike)	Odd Road at I-77 WV Tollway Milepost 30, WV 25843	WV Parkways, Finance Dept. PO Box 1469 Charleston, WV 25325-1469	Curtis Redden Kevin McLaughlin	304.640.0432 304.640.8611	credden@wvturnpike.com kmclaughlin@wvturnpike.com	Ghent, I-77 Exit 28	-81.117129	37.615251	Exit 28, east on state route 48 approximately 1/10 mile



Designation: D632 – 12 (Reapproved 2020)^{ε1}

Standard Specification for Sodium Chloride¹

This standard is issued under the fixed designation D632; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

^{ε1} NOTE—10.1 was revised editorially in December 2020.

1. Scope

1.1 This specification covers sodium chloride intended for use as a deicer and for road construction or maintenance purposes.

1.2 The values stated as SI units are to be regarded as the standard.

1.3 For purposes of determining conformance to this specification, values for chemical analysis shall be rounded to the nearest 0.1 %, and values for grading shall be rounded to the nearest 1 %, in accordance with the rounding method in Practice E29.

1.4 The text of this specification references notes and footnotes that provide explanatory material. These notes and footnotes shall not be considered as requirements of the specification.

1.5 The following precautionary caveat pertains only to the test method in Annex A1 of this specification: *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.6 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

¹ This specification is under the jurisdiction of ASTM Committee D04 on Road and Paving Materials and is the direct responsibility of Subcommittee D04.31 on Calcium and Sodium Chlorides and Other Deicing Materials.

Current edition approved Nov. 1, 2020. Published November 2020. Originally approved in 1941. Last previous edition approved in 2012 as D632 – 12. DOI: 10.1520/D0632-12R20E01.

2. Referenced Documents

2.1 ASTM Standards:²

C136/C136M Test Method for Sieve Analysis of Fine and Coarse Aggregates

C670 Practice for Preparing Precision and Bias Statements for Test Methods for Construction Materials

E11 Specification for Woven Wire Test Sieve Cloth and Test Sieves

E29 Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications

E287 Specification for Laboratory Glass Graduated Burets

E288 Specification for Laboratory Glass Volumetric Flasks

E534 Test Methods for Chemical Analysis of Sodium Chloride

3. Classification

3.1 This specification covers sodium chloride obtained from natural deposits (rock salt) or produced by man (evaporated, solar, other) and recognizes two types and two grades as follows:

3.1.1 *Type I*—Used primarily as a pavement deicer or in aggregate stabilization.

3.1.1.1 *Grade 1*—Standard grading (Note 1).

3.1.1.2 *Grade 2*—Special grading (Note 1).

3.1.2 *Type II*—Used in aggregate stabilization or for purposes other than deicing.

NOTE 1—Grade 1 provides a particle grading for general application, and has been found by latest research to be most effective for ice control and skid resistance under most conditions. Grade 2 is the grading typical of salt produced in the western United States and is available in states of the Rocky Mountains region and west, which may be preferred by purchasers in that area.

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

4. Chemical Requirements

4.1 The sodium chloride shall conform to the following requirement for chemical composition, except for the tolerance stated in 6.1 and 6.2:

Sodium chloride (NaCl), min, % 95.0

5. Physical Requirements

5.1 Grading:

5.1.1 *Type I*—The grading of Type I sodium chloride, when tested by means of laboratory sieves conforming to Specification E11, shall conform to the following requirements for particle size distribution, except for the tolerance stated in 6.1 and 6.1.1:

Sieve Size	Mass % Passing	
	Grade 1	Grade 2
19.0 mm (¾ in.)	...	100
12.5 mm (½ in.)	100	...
9.5 mm (⅜ in.)	95 to 100	...
4.75 mm (No. 4)	20 to 90	20 to 100
2.36 mm (No. 8)	10 to 60	10 to 60
600 µm (No. 30)	0 to 15	0 to 15

5.1.2 *Type II*—The grading of Type II sodium chloride shall conform to the grading requirements imposed or permitted by the purchaser under conditions of the intended use.

6. Permissible Variations

6.1 In the case of sodium chloride sampled after delivery to the purchaser, tolerances from the foregoing specified values shall be allowed as follows:

6.1.1 *Grading*—Five percentage points on the maximum value for the range for each sieve size, except the 12.5 mm (½ in.) and 9.5 mm (⅜ in.) for Grade 1 and 19.0 mm (¾ in.) for Grade 2.

6.1.2 *Chemical Composition*—0.5 percentage point.

7. Condition

7.1 The sodium chloride shall arrive at the purchaser's delivery point in a free-flowing and usable condition.

8. Sampling

8.1 Not less than three sample increments shall be selected at random from the lot (Note 2). Each increment shall be obtained by scraping aside the top layer of material to a depth of at least 25 mm (1 in.) and taking a 500-g (approximately 1-lb) quantity of sodium chloride to a depth of at least 150 mm

(6 in.). Sampling shall be done by means of a sampling thief or other method that will ensure a representative cross section of the material. The sample increments shall be thoroughly mixed to constitute a composite sample representative of the lot.

NOTE 2—A lot may be an amount agreed upon between purchaser and supplier at the time of purchase.

9. Test Methods

9.1 *Chemical Analysis*—Test for compliance with the requirements for chemical composition in accordance with the following methods:

9.1.1 *Routine Control*—Use of the “Rapid Method” in Annex A1 is permitted for routine control and approval.

9.1.2 *Referee Testing*—In case of controversy, determine the chemical composition of the sample using the current version of Test Method E534.

9.2 Grading shall be determined by Test Method C136/C136M.

10. Inspection

10.1 The purchaser or purchaser's representative shall be provided free entry and necessary facilities at the production plant or storage area if the purchaser elects to sample sodium chloride at the source.

11. Rejection and Rehearing

11.1 The sodium chloride shall be subject to rejection if it fails to conform to any of the requirements of this specification.

11.2 In the case of failure to meet the requirements on the basis of an initial sample of a lot represented, two additional samples shall be taken from the lot and tested. If both additional samples meet the requirements, the lot shall be accepted.

12. Packaging and Marking

12.1 The sodium chloride shall be delivered in bags or other containers acceptable to the purchaser, or in bulk lots. The name of the producer and the net weight shall be legibly marked on each bag or container, or in the case of bulk lots, on the shipping or delivery report.

13. Keywords

13.1 salt; snow and ice removal; sodium chloride; stabilization; winter maintenance

ANNEX
(Mandatory Information)
A1. RAPID METHOD OF ANALYSIS FOR SODIUM CHLORIDE
A1.1 Scope

A1.1.1 This annex covers a rapid method for chemical analysis of sodium chloride.

A1.1.2 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

A1.2 Significance and Use

A1.2.1 The procedure for chemical analysis in this annex determines the total amount of chlorides present in the sample and expresses that value as sodium chloride.

A1.2.2 This rapid method of analysis does not distinguish between sodium chloride and other evaporite chloride compounds with ice-melting capabilities. Typical rock salt and solar salt sometimes contains small amounts of CaCl_2 , MgCl_2 , and KCl , depending on the source of the material. When this rapid method is used on continuing shipments from a known source, it will provide a fast, essentially accurate determination of the sodium chloride content of the material furnished. Thus, the need for testing by the referee method, Test Method E534, is reduced.

A1.3 Apparatus

A1.3.1 *Glassware*—Standard weighing bottles, volumetric flasks (conforming to Specification E288, Class C or better), and burets (conforming to Specification E287, Class B or better).

A1.3.2 *Balance*, having a capacity of at least 20 g, accurate and readable to 0.01 g.

A1.4 Reagents

A1.4.1 *Nitric Acid (HNO_3)*, dilute ($\text{HNO}_3\text{:H}_2\text{O}$, 1:4 by volume).

A1.4.2 *Calcium Carbonate (CaCO_3)*—Reagent grade, low chloride, powder.

A1.4.3 *Silver Nitrate Solution*—0.05 N AgNO_3 .

A1.4.4 *Sodium Chloride (NaCl)*—Reagent grade.

A1.4.5 *Potassium Chromate (K_2CrO_4) Solution*—(50 g $\text{K}_2\text{CrO}_4/\text{L}$).

A1.5 Procedure

A1.5.1 Thoroughly mix the composite sample obtained under 8.1, and reduce by quartering or by means of a sample

splitter to approximately 500 g. Pulverize the reduced sample to pass a 300- μm (No. 50) sieve.

A1.5.2 *Standardization*—Standardize the silver nitrate (AgNO_3) solution daily, using 10 g of reagent grade sodium chloride (NaCl) following the applicable procedure in A1.5.3.

A1.5.3 From the pulverized sodium chloride, obtain a test sample with a mass of 10.00 ± 0.01 g and place in a beaker with 250 mL distilled water. Add 10 mL of the diluted nitric acid solution (HNO_3 , 1 + 4 by volume) and stir for 20 min at room temperature to put the salt in solution. Transfer the solution, including any insoluble material, to a 2-L volumetric flask, dilute to the mark with distilled water, and mix. With a pipet, draw off 25 mL of the solution and place in a white porcelain casserole. Add 0.5 g of calcium carbonate (CaCO_3) to neutralize the excess HNO_3 , and adjust the pH to approximately 7. Add 3 mL of the potassium chromate (K_2CrO_4) solution as an indicator and titrate dropwise with the silver nitrate (AgNO_3) solution until a faint but distinct change in color occurs—a persistent yellowish brown endpoint (see Note A1.1), comparable to standardization. Estimate the titer from the buret to the second decimal place.

NOTE A1.1—The color of the initial solution is lemon-yellow. With addition of the calcium carbonate (CaCO_3) and stirring, the initial solution becomes opaque, with a creamy lemon-yellow color. Addition of the silver nitrate (AgNO_3) solution produces silver chloride, which begins to agglomerate as the titration progresses, and the lemon-yellow color will begin to have whitish, opaque swirls of silver chloride. As the titration proceeds, the red color formed by addition of each drop begins to disappear more slowly. Continue the addition dropwise until a faint but distinct change in color occurs and the yellow-brown to faint reddish-brown color persists. The first stable presence of red silver chromate is the endpoint. If the endpoint is overstepped, a deep reddish-brown color occurs.

A1.6 *Calculate*—Calculate the total chlorides expressed as percent NaCl as follows:

$$P = [(A/B) \times (C/D)] \times 100 \quad (\text{A1.1})$$

where:

A = reagent grade NaCl used, g,

B = 0.05 N AgNO_3 solution required to titrate the reagent grade NaCl , mL,

C = 0.05 N AgNO_3 solution required to titrate the sample being tested, mL,

D = test sampling mass, g, and

P = total chlorides, expressed as sodium chloride, in the sample being tested, %.

A1.6.1 If moisture is apparent in the sample, dry a duplicate 10-g sample of the pulverized salt at 105 °C and correct the mass of the sample accordingly.

A1.7 Precision and Bias

A1.7.1 *Precision*³—An interlaboratory study was conducted and an analysis was made that included three materials ranging from approximately 92 % to 99 % NaCl. Ten laboratories were included in the study.

A1.7.2 *Single-Operator Precision (NaCl composition 95.0 % and greater)*—The single-operator standard deviation of a single test result for average NaCl composition 95.0 % and greater has been found to be 0.248.⁴ Therefore, results of two properly conducted tests by the same operator on the same material with the same equipment and under the same conditions should not differ by more than 0.70 %.⁴

A1.7.3 *Multilaboratory Precision (NaCl composition 95.0 % and greater)*—The multilaboratory standard deviation of a single test result for average NaCl composition greater

³ Supporting data have been filed at ASTM International Headquarters and may be obtained by requesting Research Report RR:D04-1016. Contact ASTM Customer Service at service@astm.org.

⁴ These numbers represent, respectively, the (1s %) and (d2s %) limits, as described in Practice C670.

than 95.0 % has been found to be 0.633 %.⁴ Therefore, results of two properly conducted tests in different laboratories on the same material should not differ by more than 1.79 %.⁴

A1.7.4 *Single-Operator Precision (NaCl composition less than 95.0 % and greater than 90.0 %)*—The single-operator coefficient of variation of a single test result for average NaCl composition less than 95.0 % and greater than 90.0 % has been found to be 0.427 %.⁴ Therefore, results of two properly conducted tests by the same operator on the same material with the same equipment and under the same conditions should not differ by more than 1.21 %.⁴

A1.7.5 *Multilaboratory Precision (NaCl composition less than 95.0 % and greater than 90.0 %)*—The multilaboratory standard deviation of a single test result for average NaCl composition less than 95.0 % and greater than 90.0 % has been found to be 0.711 %.⁴ Therefore, results of two properly conducted tests in different laboratories on the same material should not differ by more than 2.00 %.⁴

A1.7.6 *Bias*—No justifiable statement can be made on the bias of this test method because the data are not available.

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Designation: E534 – 18

Standard Test Methods for Chemical Analysis of Sodium Chloride¹

This standard is issued under the fixed designation E534; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope*

1.1 These test methods cover the chemical analyses usually required for sodium chloride.

1.2 The analytical procedures appear in the following sections:

	Section
Sample Preparation	5 to 9
Moisture	10 to 17
Water Insolubles	18 to 26
Calcium and Magnesium	27 to 34
Sulfate	35 to 42
Reporting of Analyses	43 to 45

1.3 The values stated in SI units are to be regarded as standard. No other units of measurement are included in this standard.

1.4 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.5 Review the current safety data sheets (SDS) for detailed information concerning toxicity, first-aid procedures, handling, and safety precautions.

1.6 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*²

[D1193 Specification for Reagent Water](#)

[D6809 Guide for Quality Control and Quality Assurance](#)

¹ These test methods are under the jurisdiction of ASTM Committee D16 on Aromatic, Industrial, Specialty and Related Chemicals and are under the direct responsibility of Subcommittee D16.13 on Chlorine.

Current edition approved Feb. 1, 2018. Published April 2018. Originally approved in 1975. Last previous edition approved in 2013 as E534 – 13. DOI: 10.1520/E0534-18.

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

[Procedures for Aromatic Hydrocarbons and Related Materials](#)

[E180 Practice for Determining the Precision of ASTM Methods for Analysis and Testing of Industrial and Specialty Chemicals \(Withdrawn 2009\)](#)³

[E200 Practice for Preparation, Standardization, and Storage of Standard and Reagent Solutions for Chemical Analysis](#)

3. Significance and Use

3.1 Sodium chloride occurs in nature. It is a necessary article of diet as well as the source for production of many sodium compounds and chlorine. The methods listed in 1.2 provide procedures for analyzing sodium chloride to determine if it is suitable for its intended use.

4. Reagents

4.1 *Purity of Reagents*—Unless otherwise indicated, it is intended that all reagents should conform to the specifications of the Committee on Analytical Reagents of the American Chemical Society, where such specifications are available.⁴

4.2 *Purity of Water*—Unless otherwise indicated, references to water shall be understood to mean Type II or III reagent water conforming to Specification [D1193](#).

SAMPLE PREPARATION

5. Scope

5.1 This test method covers preparation of a sample that will be as representative as possible of the entire bulk quantity. The results of any analysis pertain only to the sample used.

6. Apparatus

6.1 *Coarse Grinder.*

6.2 *High-Speed Blender.*

6.3 *Oven.*

³ The last approved version of this historical standard is referenced on www.astm.org.

⁴ *Reagent Chemicals, American Chemical Society Specifications*, American Chemical Society, Washington, DC. For suggestions on the testing of reagents not listed by the American Chemical Society, see *Analar Standards for Laboratory Chemicals*, BDH Ltd., Poole, Dorset, U.K., and the *United States Pharmacopeia and National Formulary*, U.S. Pharmacopeial Convention, Inc. (USPC), Rockville, MD.

*A Summary of Changes section appears at the end of this standard

TABLE 1 Precision for Moisture Method

Level, %	Repeatability			Laboratory Precision			Reproducibility		
	Standard Deviation, %	Degrees of Freedom	95 % Limit, %	Standard Deviation, %	Degrees of Freedom	95 % Limit, %	Standard Deviation, %	Degrees of Freedom	95 % Limit, %
0.003 to 0.004	0.0014	36	0.004	0.00223	18	0.006	0.00322	8	0.009
0.025 to 0.035	0.0071	60	0.02	0.00428	30	0.01	0.0138	9	0.04

6.4 *Riffle Sampler.*

6.5 *Scale.*

7. Reagents

7.1 *Hydrochloric Acid, Standard (1 meq/mL HCl)*—Prepare and standardize in accordance with Practice E200.

8. Rock and Solar Salt Stock Solutions

8.1 Mix and split sample to 500 g, using the riffle sampler.

8.2 If sample appears wet, dry at 110°C for 2 h.

8.3 Grind the sample to –8 mesh in the coarse grinder.

8.4 Mix ground sample well and weigh out a 25.0-g representative portion for rock salt or 50.0 g for solar salt.

8.5 Place 200 mL of water in the high-speed blender and start at low speed.

8.6 Slowly add the salt sample to the high-speed blender and blend for 5 min.

8.7 Test for water insolubles as described in Sections 18 – 26.

8.8 Save filtrate from water insolubles test and dilute in a volumetric flask to 1 L with water as a stock solution for subsequent analyses.

9. Evaporated and Purified Salt Stock Solutions

9.1 Mix and split the sample to 100 g for evaporated salt, or 200 g for purified evaporated salt.

9.2 Transfer to a 1-L volumetric flask.

9.3 Add 800 mL of water and allow the salt to dissolve.

9.4 Add 2 mL of concentrated HCl to dissolve any water insoluble calcium salts, particularly calcium carbonate.

9.5 Dilute to volume with water and use as a stock solution for subsequent analyses.

MOISTURE

10. Scope

10.1 This test method determines free moisture in the salt over a concentration range from 0.00 to 0.04 %. It does not determine occluded moisture trapped within the salt crystals. The procedure is based on weight loss after a sample is heated to volatilize moisture.

11. Apparatus

11.1 *Analytical Balance* capable of weighing to ± 0.001 g.

11.2 *Desiccator.*

11.3 *Oven.*

12. Procedure, Rock and Solar Salt

12.1 Weigh 100 g of salt to the nearest 0.05 g into a previously dried and tared moisture dish.

12.2 Dry at 110°C for 2 h.

12.3 Cool in a desiccator and weigh.

13. Procedure, Evaporated and Purified Evaporated Salt

13.1 Weigh 20 g of salt to the nearest 0.001 g into a previously dried and weighed glass weighing bottle and cover.

13.2 Dry at 110°C for 2 h.

13.3 Cool in a desiccator, replace cover, and weigh.

14. Calculation

14.1 Calculate the percentage of moisture as follows:

$$\text{moisture, mass (m/m) \%} = \frac{A}{B} \times 100 \quad (1)$$

where:

A = loss of mass on drying, g, and

B = mass of sample, g.

15. Report

15.1 Report the moisture content to the nearest 0.001 %.

16. Precision and Bias⁵

16.1 Ten laboratories analyzed five samples in duplicate on two different days. Practice E180 was followed for the design and analysis of the data; the details are given in ASTM Research Report RR:E15-1052.

16.1.1 *Intermediate Precision, formerly called Repeatability (Single Analyst)*—The standard deviation for a single determination has been estimated to be the percent absolute values shown in Table 1 at the indicated degrees of freedom. The 95 % limit for the difference between two such runs is the percent absolute values in Table 1.

16.1.2 *Laboratory Precision (Within-Laboratory, Between-Days Variability)*—The standard deviation of results (each the average of duplicates), obtained by the same analyst on different days, has been estimated to be the percent absolute values shown in Table 1 at the indicated degrees of freedom. The 95 % limit for the difference between two such averages is the percent absolute values in Table 1.

⁵ Supporting data have been filed at ASTM International Headquarters and may be obtained by requesting Research Report RR:E15-1052. Contact ASTM Customer Service at service@astm.org.

16.1.3 *Reproducibility (Multilaboratory)*—The standard deviation of results (each the average of duplicates), obtained by analysts in different laboratories, has been estimated to be percent absolute values shown in [Table 1](#). The 95 % limit for the difference between two such averages is the percent absolute values in [Table 1](#).

16.2 *Bias*—The bias of this test method has not been determined due to the unavailability of suitable reference materials.

17. Quality Guidelines

17.1 Laboratories shall have a quality control system in place.

17.1.1 Confirm the performance of the test instrument or test method by analyzing a quality control sample following the guidelines of standard statistical quality control practices.

17.1.2 A quality control sample is a stable material isolated from the production process and representative of the sample being analyzed.

17.1.3 When QA/QC protocols are already established in the testing facility, these protocols are acceptable when they confirm the validity of test results.

17.1.4 When there are no QA/QC protocols established in the testing facility, use the guidelines described in [Guide D6809](#) or similar statistical quality control practices.

WATER INSOLUBLES

18. Scope

18.1 This gravimetric method determines only the amount of insolubles present in sodium chloride which will not dissolve in water.

19. Apparatus

19.1 *Analytical Balance.*

19.2 *Desiccator.*

19.3 *Magnetic Stirrer with Stirring Bar.*

19.4 *Parabella Filter Funnel Assembly*, 1000-mL, or its equivalent with 0.3- μ m glass fiber filter disk.

20. Reagents

20.1 *Silver Nitrate, Standard Solution*, 0.1 meq/mL AgNO_3 —Prepare and standardize in accordance with [Practice E200](#).

21. Procedure, Rock and Solar Salts

21.1 Transfer a sample prepared in accordance with [8.1](#) to [8.6](#) to a 1-L Erlenmeyer flask, washing out the blender with 100 mL of water. Add 300 mL of water to give a total of 600 mL of water added.

21.2 Stir on a magnetic stirrer for 1 h. Adjust the stirrer speed to give maximum agitation without danger of losing any sample due to splashing. Place a beaker or watch glass over top of the flask while stirring.

21.3 Filter the solution by vacuum through a previously dried (110°C for 1 h) and accurately weighed filter disk using

the Parabella funnel. Transfer all insolubles to the paper and wash free of chlorides with water until the filtrate shows no turbidity when tested with 0.1 meq/mL AgNO_3 solution.

21.4 Dilute filtrate and washings to 1 L with water in volumetric flask.

21.5 Dry the filter disk at 110°C for 1 h.

21.6 Cool in a desiccator and weigh the disk on an analytical balance.

21.7 Save the filtrate for subsequent analyses.

22. Procedure, Evaporated and Purified Evaporated Salts

22.1 Place a well mixed sample in a 2-L beaker. Use 100-g sample for evaporated or 200 g for purified evaporated salt.

22.2 Add 750 mL of water.

22.3 Mix with a mechanical stirrer until solution is complete.

22.4 Filter the solution by vacuum through a previously dried (110°C for 1 h) and accurately weighed filter disk using the Parabella funnel. Transfer all insolubles to the paper and wash free of chlorides with water until the filtrate shows no turbidity when tested with 0.1 meq/mL AgNO_3 solution.

22.5 Dry the filter disk at 110°C for 1 h.

22.6 Cool in a desiccator and weigh on an analytical balance.

22.7 Dilute the filtration and washings to 1 L with water in a volumetric flask and reserve for subsequent analyses.

23. Calculation

23.1 Calculate the percentage of water insolubles as follows:

$$\text{insolubles, \% mass (m/m)} = \frac{A}{B} \times 100 \quad (2)$$

where:

A = increase in mass of filter disk, g, and

B = sample mass, g.

24. Report

24.1 Report the percentage of water insolubles to the nearest percentage shown as follows:

Range, %	Report to, %
0.002 to 0.005	0.001
0.01 to 0.04	0.01
0.15 to 0.35	0.01

25. Precision and Bias⁵

25.1 Ten laboratories analyzed six samples in duplicate on two different days. [Practice E180](#) was followed for the design and analysis of the data; the details are given in [ASTM Research Report RR:E15-1052](#).

25.1.1 *Intermediate Precision, formerly called Repeatability (Single Analyst)*—The coefficient of variation for a single determination has been estimated to be the percent relative values shown in [Table 2](#) at the indicated degrees of freedom. The 95 % limit for the difference between two such runs is percent relative values shown in [Table 2](#).

TABLE 2 Precision for Water Insolubles Method

Level, %	Coefficient of Variation, % relative	Repeatability		Reproducibility		
		Degrees of Freedom	95 % Limit, % relative	Degrees of Freedom	Coefficient of Variation, % Relative	95 % Limit, % relative
0.002 to 0.005	22.0	20	62	9	91.7	257
0.01 to 0.04	21.9	18	61	8	42.2	118
0.15 to 0.35	22.0	20	62	9	20.5	57

25.1.2 *Laboratory Precision (Within-Laboratory, Between-Days Variability)*—The coefficient of variation of results (each the average of duplicates), obtained by the same analyst on different days, has been estimated to be 23.5 % relative at 57 df. The 95 % limit for the difference between two such averages is 66 % relative.

25.1.3 *Reproducibility (Multilaboratory)*—The coefficient of variation of results (each the average of duplicates), obtained by analysts in different laboratories, has been estimated to be percent relative values shown in Table 2 at the indicated degrees of freedom. The 95 % limit for the difference between two such averages is percent relative values shown in Table 2.

25.2 *Bias*—The bias of this test method has not been determined due to the unavailability of suitable reference materials.

26. Quality Guidelines

26.1 Laboratories shall have a quality control system in place.

26.1.1 Confirm the performance of the test instrument or test method by analyzing a quality control sample following the guidelines of standard statistical quality control practices.

26.1.2 A quality control sample is a stable material isolated from the production process and representative of the sample being analyzed.

26.1.3 When QA/QC protocols are already established in the testing facility, these protocols are acceptable when they confirm the validity of test results.

26.1.4 When there are no QA/QC protocols established in the testing facility, use the guidelines described in Guide D6809 or similar statistical quality control practices.

CALCIUM AND MAGNESIUM

27. Scope

27.1 This test method covers the EDTA titrimetric determination of calcium and magnesium and the EDTA titrimetric determination of calcium. The magnesium content is determined by difference.

28. Apparatus

28.1 *Magnetic Stirrer with Stirring Bar.*

29. Reagents

29.1 *Eriochrome Black T Indicator Solution, Hydroxy Naphthol Blue,* or its equivalent.

29.2 *Murexide (Ammonium Purpurate) Indicator Solution,* or its equivalent.

29.3 *EDTA Standard Solution* (1 mL = 0.400 mg calcium)—Dissolve 4.0 g of disodium dihydrogen ethylene diaminetetraacetate (EDTA) in 1 L of water. Standardize this solution against a standard calcium solution prepared by dissolving 1.000 g of CaCO₃ and 2 mL of HCl in water and diluting to 1 L with water in a volumetric flask. Obtain an exact factor for the EDTA solution. This factor is equal to the milligrams of calcium equivalent to 1.00 mL of EDTA solution. See Practice E200.

$$\text{factor} = \frac{W}{V} \quad (3)$$

where:

W = calcium in aliquot, mg, and

V = EDTA solution required for titration, mL.

29.4 *Ammonium Chloride–Ammonium Hydroxide Solution*—Add 67.5 g of ammonium chloride (NH₄Cl) to 570 mL of ammonium hydroxide (NH₄OH) contained in a 1-L volumetric flask. Reserve this solution for use as described in 29.6 and 29.7.

29.5 *Potassium Cyanide Solution* (50 g/L)—Dissolve 50 g of potassium cyanide (KCN) in water and dilute to 1 L with water. Store in a borosilicate glass bottle. (**Warning**—Potassium cyanide is extremely poisonous.)

29.6 *Magnesium Sulfate Solution* (2.5 g/L)—Dissolve 2.5 g of MgSO₄·7H₂O in water and dilute to volume with water in a 1-L volumetric flask. Determine the volume of EDTA solution equivalent to 50 mL of MgSO₄ solution as follows: Pipet 50 mL of MgSO₄ solution into a 400-mL beaker. Add 200 mL of water and 2 mL of NH₄Cl:NH₄OH solution (27.4). Add 1 mL of KCN solution and a sufficient amount of Eriochrome Black T Indicator solution or its equivalent. Titrate the solution with EDTA solution while stirring with a magnetic stirrer to the true blue end point. This gives the volume of EDTA solution equivalent to 50.0 mL of MgSO₄ solution.

29.7 *Buffer Solution*—Pipet 50 mL of MgSO₄ solution into the volumetric flask containing the remaining NH₄Cl-NH₄OH solution (27.4). Add the exact volume of EDTA solution equivalent to 50 mL of the MgSO₄ solution. Dilute to 1 L with water. Store the solution in a polyethylene bottle.

29.8 *Potassium Hydroxide Solution* (600 g/L)—Dissolve 150 g of potassium hydroxide (KOH) in 250 mL of water. Cool and store in a polyethylene bottle.

30. Procedure

30.1 Using Table 3 as a guide, pipet two aliquots of stock solution into 400-mL beakers to give a titer between 2 and 10

TABLE 3 Stock Solutions (Calcium and Magnesium)

Stock Solution	Aliquot, mL
Kansas rock salt	10
Northern rock salt	25
Southern rock salt	50
Evaporated salt	50
Purified salt	200
Solar salt	100

mL of standard EDTA solution. One aliquot is used to determine total calcium and magnesium and the other for calcium.

30.2 Dilute to 200 mL with water, if necessary, and place on magnetic stirrer.

30.3 Total Calcium and Magnesium:

30.3.1 Add 5 mL of buffer solution, 1 mL of KCN solution, and a sufficient amount of Eriochrome Black T Indicator Solution or its equivalent.

30.3.2 Titrate with standard EDTA solution to a true blue color.

30.3.3 Record the millilitres used as Titration 1 (T_1).

30.4 Calcium Only:

30.4.1 Add 2 mL of KOH solution, 1 mL of KCN solution to the other aliquot in 30.1 and 30.2, and stir for about 2 min to precipitate magnesium.

30.4.2 Add a sufficient amount of murexide solution or an equivalent calcium indicator solution.

30.4.3 Titrate with standard EDTA solution to a true blue color.

30.4.4 Record the millilitres used as Titration 2 (T_2).

31. Calculation

31.1 Calculate the mass percent of calcium as follows:

$$\text{Ca, \% mass (m/m)} = \frac{(T_2) (\text{factor}) (0.1)}{S} \quad (4)$$

where:

T_2 = EDTA used to titrate calcium only, mL.

S = mass of salt in aliquot, g.

31.1.1 See 29.3 for factor.

31.2 Calculate the mass percent of magnesium as follows:

$$\text{Mg, \% mass (m/m)} = \frac{(T_1 - T_2) (\text{factor}) (0.6064) (0.1)}{S} \quad (5)$$

where:

T_1 = EDTA used to titrate total calcium and magnesium,

S = mass of salt in aliquot, g.

32. Report

32.1 Report the percentage of calcium to the nearest 0.001 %. Report the percentage of magnesium to the nearest 0.001 %.

33. Precision and Bias⁵

33.1 Eight laboratories analyzed five samples in duplicate on two different days. Practice E180 was followed for the design and analysis of the data; the details are given in ASTM Research Report RR:E15-1052.

33.1.1 *Intermediate Precision, formerly called Repeatability (Single Analyst)*—The coefficient of variation for a single determination has been estimated to be 3.56 % relative at 100 df. The 95 % limit for the difference between two such runs is 10 % relative.

33.1.2 *Laboratory Precision (Within-Laboratory, Between-Days Variability)*—The coefficient of variation of results (each the average of duplicates), obtained by the same analyst on different days, has been estimated to be 6.34 % relative at 40 df. The 95 % limit for the difference between two such averages is 18 % relative.

33.1.3 *Reproducibility (Multilaboratory)*—The coefficient of variation of results (each the average of duplicates), obtained by analysts in different laboratories, has been estimated to be 9.82 % relative at 7 df. The 95 % limit for the difference between two such averages is 28 % relative.

33.1.4 *Bias*—The bias of this test method has not been determined due to the unavailability of suitable reference materials.

33.2 The following criteria should be used in judging the acceptability of magnesium results:

33.2.1 *Repeatability (Single Analyst)*—The standard deviation for a single determination has been estimated to be percent absolute values shown in Table 4 at the indicated degrees of freedom. The 95 % limit for the difference between two such runs is the percent absolute values shown in Table 4.

33.2.2 *Laboratory Precision (Within-Laboratory, Between-Days Variability)*—The standard deviation of results (each the average of duplicates), obtained by the same analyst on different days, has been estimated to be the percent absolute values shown in Table 4 at the indicated degrees of freedom. The 95 % limit for the difference between two such averages is the percent absolute values shown in Table 4.

33.2.3 *Reproducibility (Multilaboratory)*—The standard deviation of results (each the average of duplicates), obtained by analysts in different laboratories, has been estimated to be the percent absolute values shown in Table 4 at the indicated

TABLE 4 Precision for Magnesium Method

Range, %	Repeatability			Laboratory Precision			Reproducibility		
	Standard Deviation, %	Degrees of Freedom	95 % Limit, %	Standard Deviation, %	Degrees of Freedom	95 % Limit, %	Standard Deviation, %	Degrees of Freedom	95 % Limit, %
0.001 to 0.003	0.00071	56	0.002	0.00066	28	0.002	0.00147	8	0.004
0.02 to 0.025	0.0035	52	0.010	0.033	26	0.092	0.0042	8	0.012

TABLE 5 Stock Solutions (Sulfate)

Stock Solution	Aliquot, mL
Rock salt	40
Evaporated salt	100
Purified evaporated salt	200
Solar salt	100

degrees of freedom. The 95 % limit for the difference between two such averages is the percent absolute values shown in [Table 4](#).

33.2.4 *Bias*—The bias of this test method has not been determined due to the unavailability of suitable reference materials.

34. Quality Guidelines

34.1 Laboratories shall have a quality control system in place.

34.1.1 Confirm the performance of the test instrument or test method by analyzing a quality control sample following the guidelines of standard statistical quality control practices.

34.1.2 A quality control sample is a stable material isolated from the production process and representative of the sample being analyzed.

34.1.3 When QA/QC protocols are already established in the testing facility, these protocols are acceptable when they confirm the validity of test results.

34.1.4 When there are no QA/QC protocols established in the testing facility, use the guidelines described in [Guide D6809](#) or similar statistical quality control practices.

SULFATE

35. Scope

35.1 This test method covers the gravimetric determination of the sulfate content of sodium chloride.

36. Apparatus

36.1 *Gooch Asbestos Slurry*.

36.2 *Gooch Filtering Crucible and Holder*.

36.3 *Muffle Furnace*.

36.4 *Oven*.

37. Reagents

37.1 *Barium Chloride Solution* (120 g BaCl₂ · 2H₂O/L)—Dissolve 120 g of barium chloride dihydrate in about 750 mL of water, filter, and dilute to 1 L.⁶

37.2 *Hydrochloric Acid Standard Solution* (1 meq/L HCl)—Prepare and standardize in accordance with [Practice E200](#).

37.3 *Methyl Orange Indicator Solution* (1 g/L)—Dissolve 0.1 g of methyl orange in 100 mL of water and filter if necessary.⁶

38. Procedure

38.1 Using [Table 5](#) as a guide, pipet the recommended aliquot of stock solution into a 400-mL beaker.

38.2 Dilute to 200 mL, add a few drops of methyl orange indicator solution and acidify with 1 mL of HCl (1 + 1) if necessary.

38.3 Heat solution gently to boiling and add 10 mL of BaCl₂ solution dropwise while stirring.

38.4 Digest on a hot plate below the boiling point for 30 min.

38.5 Cool overnight.

38.6 Filter through a tared Gooch crucible previously prepared with an asbestos mat and ignited in a muffle furnace at 800°C for 30 min. Transfer all the precipitate to the crucible with a rubber policeman. Wash with portions of hot water until washings are free of chlorides.

38.7 Dry the crucible at 110°C for 15 min, then ignite in a muffle furnace at 800°C for 30 min.

38.8 Cool in a desiccator and reweigh.

39. Calculation

39.1 Calculate percentage of sulfate as follows:

$$\text{sulfate, \% mass (m/m)} = \frac{A}{B} \times 0.4115 \times 100 \quad (6)$$

where:

A = mass of precipitate, g, and

B = mass of salt in aliquot, g.

40. Report

40.1 Report the percentage of sulfate to the nearest 0.001 %.

41. Precision and Bias⁵

41.1 Ten laboratories analyzed six samples in duplicate on two different days. [Practice E180](#) was followed for the design and analysis of the data; the details are given in [ASTM Research Report RR:E15-1052](#).

41.1.1 *Intermediate Precision* (formerly called *Repeatability* (*Single Analyst*))—The coefficient of variation for a single determination has been estimated to be 7.14 % relative at 120 df. The 95 % limit for the difference between two such runs is 20 % relative.

41.1.2 *Laboratory Precision* (*Within-Laboratory, Between-Days Variability*)—The coefficient of variation of results (each the average of duplicates), obtained by the same analyst on different days, has been estimated to be 8.03 % relative at 60 df. The 95 % limit for the difference between two such averages is 22 % relative.

41.1.3 *Reproducibility* (*Multilaboratory*)—The coefficient of variation of results (each the average of duplicates), obtained by the same analyst in different laboratories, has been estimated to be 8.01 % relative at 9 df. The 95 % limit for the difference between two such averages is 22 % relative.

41.1.4 *Bias*—The bias of this test method has not been determined due to the unavailability of suitable reference materials.

⁶ This reagent is also described in [Practice E200](#).

42. Quality Guidelines

42.1 Laboratories shall have a quality control system in place.

42.1.1 Confirm the performance of the test instrument or test method by analyzing a quality control sample following the guidelines of standard statistical quality control practices.

42.1.2 A quality control sample is a stable material isolated from the production process and representative of the sample being analyzed.

42.1.3 When QA/QC protocols are already established in the testing facility, these protocols are acceptable when they confirm the validity of test results.

42.1.4 When there are no QA/QC protocols established in the testing facility, use the guidelines described in Guide **D6809** or similar statistical quality control practices.

REPORTING OF ANALYSES

43. Scope

43.1 Analyses should be reported on a dry basis. If analyses are on an as received sample, correction should be made by converting to a dry basis. Sodium chloride purity is determined by subtracting the total percentage of impurities from 100. Moisture should be reported as a separate value.

44. Procedure

44.1 Convert sulfate to calcium sulfate and the unused calcium to calcium chloride unless the sulfate in sample exceeds the quantity necessary to combine with the calcium. In this case, convert the calcium to calcium sulfate and the unused

sulfate first to magnesium sulfate, and the remaining sulfate, if any, to sodium sulfate. Convert the unused magnesium to magnesium chloride.

44.2 Report rock and solar salt impurities to the second decimal place and salt purity, by difference, to the first decimal place.

44.3 Report evaporated salt impurities to the third decimal place and salt purity, by difference, to the second decimal place.

44.4 Report purified salt impurities to the fourth decimal place and salt purity, by difference, to the third decimal place.

45. Conversion Factors

BaSO ₄	×	0.4116	=	SO ₄
BaSO ₄	×	0.5832	=	CaSO ₄
BaSO ₄	×	0.6086	=	Na ₂ SO ₄
Ca	×	3.3967	=	CaSO ₄
Ca	×	0.6064	=	Mg
CaSO ₄	×	0.2944	=	Ca
CaSO ₄	×	0.8153	=	CaCl ₂
CaSO ₄	×	0.8842	=	MgSO ₄
CaSO ₄	×	1.0434	=	Na ₂ SO ₄
Mg	×	3.9173	=	MgCl ₂
MgCl ₂	×	1.4296	=	CaSO ₄
MgCl ₂	×	1.2641	=	MgSO ₄
MgSO ₄	×	1.4299	=	CaSO ₄
MgSO ₄	×	1.1311	=	MgCl ₂
MgSO ₄	×	1.1800	=	Na ₂ SO ₄
SO ₄	×	1.4173	=	CaSO ₄

46. Keywords

46.1 calcium; evaporated salt; magnesium; moisture; purified salt; rock salt; sodium chloride; sulfate; water insolubles

SUMMARY OF CHANGES

Committee D16 has identified the location of selected changes to this standard since the last issue (E534-13) that may impact the use of this standard. (Approved February 1, 2018.)

(1) Quality Guidelines were added to Section 17, Section 26, Section 34, and Section 42.

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STATE OF WEST VIRGINIA
Purchasing Division
PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: American Rock Salt Co., LLC

Authorized Signature: *Jamie O'Connell* Date: August 16, 2021

State of New York

County of Livingston, to-wit:

Taken, subscribed, and sworn to before me this 16th day of August, 2021.

My Commission expires April 25th, 2025.

AFFIX SEAL HERE

NOTARY PUBLIC *Michele E. Booher*
Michele E. Booher
Notary Public, State of New York
No. 01B06126032
Qualified in Livingston County
Commission Expires April 25, 2025
Purchasing Affidavit (Revised 01/19/2018)



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Request for Quote
 Highways

Proc Folder: 916851		Reason for Modification:	
Doc Description: ADDENDUM NO_1 SODIUM CHLORIDE - ROADWAY SALT 6621C062		ADDENDUM NO_1 Vendor questions and responses	
Proc Type: Central Master Agreement			
Date Issued	Solicitation Closes	Solicitation No	Version
2021-08-12	2021-08-19 13:30	CRFQ 0803 DOT2200000027	2

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code: 106924
Vendor Name : American Rock Salt Co., LLC
Address : PO Box 190
Street : 5520 Rt. 63
City : Mount Morris
State : New York **Country :** United States **Zip :** 14510
Principal Contact : Jamie A. McClain
Vendor Contact Phone: (888) 762-7258 **Extension:**

FOR INFORMATION CONTACT THE BUYER
 John W Estep
 304-558-2566
 john.w.estep@wv.gov

Vendor Signature X  **FEIN#** 16-1516458 **DATE** August 16, 2021

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

ADDENDUM NO_1

Addendum No_1 issued to publish and distribute the attached information to the Vendor Community .

REQUEST FOR QUOTATION:

On behalf of the West Virginia Division of Highways and the West Virginia Parkways Authority, the West Virginia Purchasing Division is soliciting bids to establish open-end contracts for roadway salt as needed and on a continuing basis, for use in Snow Removal and Ice Control (SRIC) throughout WV, 1) for materials plus delivery by Vendor F.O.B to Agency storage locations per county, and 2) for Agency Pick-up from the Vendor's storage sites. Per the Bid Requirements, Specifications, Terms and Conditions attached to this Solicitation.

INVOICE TO**SHIP TO**
 VARIOUS AGENCY
 LOCATIONS
 AS INDICATED BY ORDER

 STATE OF WEST VIRGINIA

 VARIOUS LOCATIONS AS
 INDICATED BY ORDER

 No City WV
 US

 No City WV
 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	SODIUM CHLORIDE - ROADWAY SALT	0.00000	TON		

Comm Code	Manufacturer	Specification	Model #
46161506			

Extended Description:

SODIUM CHLORIDE - ROADWAY SALT - PER THE ATTACHED PRICING PAGES

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Tech Questions due by 10:00am	2021-08-10

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ DOT2200000027

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

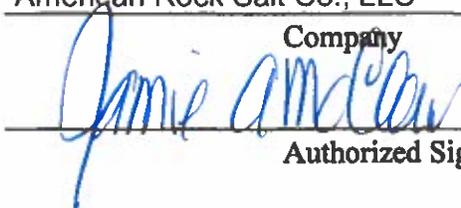
(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

American Rock Salt Co., LLC

Company



Authorized Signature

August 16, 2021

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

SOLICITATION NUMBER – CRFQ DOT2200000027
Roadway Salt – Sodium Chloride; 6621C062

Addendum 1

To answer vendor posed questions.

Question #1: Both of these locations are detailed on the “Exhibit A Pricing Page” document, but do not have entries on the “Delivery Storage Locations with contact info” document. Please provide the delivery addresses, billing information, and contact info for them.

1. Document: CRFQ DOT2200000027 Exhibit A Pricing Page –Delivery
Tab: District 1
Row: 29
County: Putnam
Delivery/Storage Location: US 35 @ Frazier’s Bottom
Estimated Tons: 1000
2. Document: CRFQ DOT2200000027 Exhibit A Pricing Page –Delivery
Tab: District 4
Row: 7
County: Doddridge
Delivery/Storage Location: Greenwood
Estimated Tons: 1000

Response #1: US 35 @ Frazier’s Bottom has been deleted from the Exhibit A Pricing Page for District 1 and Jackson Ave, Pt. Pleasant in Mason County of District 1 has been added. A REV Exhibit A Pricing Page -Delivery is included. The “Delivery Storage Locations with contact Info” for District 1 and District 4 have been updated and are included as “REV Delivery Storage Locations with Contact Info”.

Question #2: Is the bid opening public?

- a. If so can we send a temp to record results?
- b. Are there restrictions they need to be made aware of?

Response #2: The Bid Openings are open to the public.

- a. All bids are posted online at the purchasing Web site within 24 hours.
- b. No restrictions at this time.

Question #3: In one portion of the solicitation the delivery days are 10 calendar, in another portion it is stated at 5 working. What is the delivery requirement?

Response #3: **Section 7.1.1.1 Delivery Order Schedule** provides that "...the delivery shall commence immediately and be due within ten (10) calendar days of the delivery Order date, unless otherwise directed by the Agency." **Section 7.2.1 Orders Beyond 120% of Vendor's Statewide Guaranteed Delivery** states "...Vendor shall guarantee completed delivery of such orders no later than ten (ten) calendar days of the Delivery Order date, unless otherwise specified by the Agency on its Delivery Order." The only reference to five (5) working days is in **Section 7.3.1 Delivery Failures**.

The delivery requirement for the roadway salt – sodium chloride is ten (10) calendar days.

PLEASE NOTE:

The Exhibit A Pricing Page – Delivery for District 1 has been revised per this addendum.

The "Delivery Storage Locations with contact Info" has been revised per this addendum.

No change to the bid opening is required due to this change.

ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

Vendor's Unit price shall be per Ton by County. Vendor may bid any or all Counties. Do not type in Grey areas below.

Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

DISTRICT 1			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	Unit Price Per Ton	Extended Price
Boone	Clinton @ WV85	850.00		
Boone	Rock Creek	1,300.00		
Boone	Seth	850.00		
Boone	County Total	3,000.00	No Bid	No Bid
Clay	Widen Road & CR 11	1,350.00		
Clay	Maysel	100.00		
Clay	County Total	1,450.00	No Bid	No Bid
Kanawha	Chelyan	0.00		
Kanawha	Elkview	0.00		
Kanawha	North Charleston	0.00		
Kanawha	St. Albans	0.00		
Kanawha	I-64 @ Rt. 119 and Penn. Avenue	0.00		
Kanawha	I-77 @ Sissonville	1,000.00		
Kanawha	I-79 @ Amma	1,000.00		
Kanawha	Corridor G @ Alum Creek	1,000.00		
Kanawha	County Total	3,000.00	No Bid	No Bid
Mason	Glenwood	0.00		
Mason	Pt. Pleasant	1,000.00		
Mason	County Total	1,000.00	No Bid	No Bid
Putnam	Red House	1,000.00		
Putnam	Hurricane @ Rt. 34	1,000.00		
Putnam	I-64 @ Scary Creek	1,000.00		
Putnam	US 35 @ Frazier's Bottom	1,000.00		
Putnam	County Total	4,000.00	No Bid	No Bid
Estimated Total per District		12,450.00		No Bid

ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

Vendor's Unit price shall be per Ton by County. Vendor may bid any or all Counties. Do not type in Grey areas below.

Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

DISTRICT 2			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	Unit Price Per Ton	Extended Price
Cabell	Barboursville	3,000		
Cabell	I-64 @ Huntington	1,200		
Cabell	County Total	4,200	No Bid	No Bid
Lincoln	West Hamlin	1,500		
Lincoln	Yawkey	1,000		
Lincoln	Harts	1,000		
Lincoln	County Total	3,500	No Bid	No Bid
Logan	Corridor G @ Chapmanville	2,000		
Logan	Wilkinson	1,000		
Logan	Man	1,000		
Logan	County Total	4,000	No Bid	No Bid
Mingo	Corridor G @ Miller's Creek, Bldg #03011	1,000		
Mingo	Mingo Cty @ Miller's Creek, Bldg #03025	1,000		
Mingo	Gilbert	500		
Mingo	County Total	2,500	No Bid	No Bid
Wayne	Pritchard	1,500		
Wayne	Wayne	1,000		
Wayne	Crum	1,000		
Wayne	County Total	3,500	No Bid	
Estimated Total per District		17,700		No Bid

ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

Vendor's Unit price shall be per Ton by County. Vendor may bid any or all Counties. Do not type in Grey areas below.

Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

DISTRICT 3			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	Unit Price Per Ton	Extended Price
Calhoun	Millstone	2900		
Calhoun	County Total	2900	No Bid	No Bid
Jackson	Ripley	2400		
Jackson	I-77 @ Medina	1300		
Jackson	County Total	3700	No Bid	No Bid
Pleasants	Belmont	2000		
Pleasants	County Total	2000	No Bid	No Bid
Ritchie	APD Pennsboro	3000		
Ritchie	Ellenboro	2500		
Ritchie	Corridor D @ Nutter Farm	500		
Ritchie	Smithville	500		
Ritchie	County Total	6500	No Bid	No Bid
Roane	Lefthand @ WV 36	100		
Roane	Ambler Ridge @ US 119	100		
Roane	Spencer	1900		
Roane	County Total	2100	No Bid	No Bid
Wirt	Elizabeth	1300		
Wirt	County Total	1300	No Bid	No Bid
Wood	Parkersburg @ Rt. 95S	6000		
Wood	I-77 @ Parkersburg	100		
Wood	Corridor D @ Riverhill	50		
Wood	County Total	6150	No Bid	No Bid
Estimated Total per District		24,650		No Bid

6621C062

ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

Vendor's Unit price shall be per Ton by County. Vendor may bid any or all Counties. Do not type in Grey areas below. Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

DISTRICT 4			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	Unit Price Per Ton	Extended Price
Doddridge	Greenwood	1,000		
Doddridge	Smithburg	1,000		
Doddridge	County Total	2,000	82.00	164,000.00
Harrison	Gore	2,500		
Harrison	Saltwell	400		
Harrison	I-79 @ Lost Creek	1,600		
Harrison	APD 50 @ Tunnel Hill	1,500		
Harrison	County Total	6,000	79.00	474,000.00
Marion	Fairmont	800		
Marion	Mannington	200		
Marion	County Total	1,000	76.00	76,000.00
Monongalia	I-79 @ Goshen Road	2,000		
Monongalia	Ridgedale	2,500		
Monongalia	Pentress	500		
Monongalia	County Total	5,000	76.00	380,000.00
Preston	Bruceeton Mills	1,000		
Preston	Albright	1,000		
Preston	Terra Alta	1,000		
Preston	Fellowsville	1,000		
Preston	Aurora	1,000		
Preston	I-68 @ Cooper's Rock	1,000		
Preston	County Total	6,000	75.00	450,000.00
Taylor	Fetterman/Prunytown	1,000		
Taylor	County Total	1,000	79.00	79,000.00
	Estimated Total per District	21,000		1,623,000.00

ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

Vendor's Unit price shall be per Ton by County. Vendor may bid any or all Counties. Do not type in Grey areas below.

Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

DISTRICT 5			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	<i>Unit Price Per Ton</i>	<i>Extended Price</i>
Berkeley	I-81 @ Martinsburg (0571)	1,000		
Berkeley	1867 Rock Cliff Drive (0502)	1,000		
Berkeley	I-81 @ Exit 8 (0571)	700		
Berkeley	County Total	2,700	106.90	288,630.00
Grant	Petersburg	800		
Grant	Mt. Storm	1,000		
Grant	Corridor H @ Knobley Road (0582)	1,600		
Grant	County Total	3,400	94.00	319,600.00
Hampshire	Romney 56 DOH Dr.	800		
Hampshire	Capon Bridge	400		
Hampshire	Slanesville	300		
Hampshire	County Total	1,500	95.49	143,235.00
Hardy	Moorefield 2014 State RT 55	800		
Hardy	Baker	800		
Hardy	County Total	1,600	101.50	162,400.00
Jefferson	Charles Town (0519)	1,500		
Jefferson	Charles Town - New Shed (0564)	1,500		
Jefferson	County Total	3,000	109.75	329,250.00
Mineral	New Creek	700		
Mineral	Sky Line (Elk Garden)	600		
Mineral	Short Gap/Substation RT 28 Ridgely	300		
Mineral	District Headquarters (Burlington)	100		
Mineral	County Total	1,700	85.00	144,500.00
Morgan	Berkeley Springs/166 DOH Lane US 522	800		
Morgan	Largent/Substation 16964/Great Cacapon	300		
Morgan	County Total	1,100	98.00	107,800.00
Estimated Total per District		15,000		1,495,415.00

6621C062

ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

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Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

DISTRICT 6			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	Unit Price Per Ton	Extended Price
Brooke	Wellsburg	1800		
Brooke	Weirton	1800		
Brooke	County Total	3,600	75.00	270,000.00
Hancock	New Manchester	2800		
Hancock	County Total	2,800	75.00	210,000.00
Marshall	Glen Dale	2900		
Marshall	Lynn Camp	700		
Marshall	Cameron	1550		
Marshall	Sand Hill	650		
Marshall	County Total	5,800	76.00	440,800.00
Ohio	Triadelphia	4000		
Ohio	I-70 @ Triadelphia	3600		
Ohio	County Total	7,600	74.00	562,400.00
Tyler	Sistersville	1100		
Tyler	Centerville	800		
Tyler	County Total	1,900	80.00	152,000.00
Wetzel	New Martinsville	1100		
Wetzel	Pine Grove	700		
Wetzel	Hundred	900		
Wetzel	County Total	2,700	78.00	210,600.00
Estimated Total per District		24,400		1,845,800.00

ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

Vendor's Unit price shall be per Ton by County. Vendor may bid any or all Counties. Do not type in Grey areas below.

Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

DISTRICT 7			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	<i>Unit Price Per Ton</i>	<i>Extended Price</i>
Barbour	Phillipi	1,500		
Barbour	Belington	1,400		
Barbour	County Total	2,900	92.91	269,439.00
Braxton	Gassaway	800		
Braxton	Heaters	600		
Braxton	I-79 @ Coon Knob	1,400		
Braxton	I-79 @ Burnsville	1,400		
Braxton	County Total	4,200	101.85	427,770.00
Gilmer	Glenville	1,000		
Gilmer	County Total	1,000	92.20	92,200.00
Lewis	Weston (Ben Dale)	1,200		
Lewis	Corridor H @ Mudlick	1,000		
Lewis	County Total	2,200	85.77	188,694.00
Upshur	Clow Lot @ Buckhannon	2,400		
Upshur	Tennerton	100		
Upshur	Kanawha Head	700		
Upshur	County Total	3,200	97.61	312,352.00
Webster	Cherry Falls	500		
Webster	Cowen	500		
Webster	Hacker Valley	500		
Webster	County Total	1,500	105.20	157,800.00
Estimated Total per District		15,000		1,448,255.00

ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

Vendor's Unit price shall be per Ton by County. Vendor may bid any or all Counties. Do not type in Grey areas below.

Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

DISTRICT 8			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	<i>Unit Price Per Ton</i>	<i>Extended Price</i>
Pendleton	Franklin, 220 North	600		
Pendleton	Judy Gap	450		
Pendleton	Brandywine	400		
Pendleton	Onego	600		
Pendleton	Franklin, 220 South	400		
Pendleton	County Total	2,450	102.47	251,051.50
Pocahontas	Marlinton	800		
Pocahontas	Seebert	600		
Pocahontas	Greenbank	500		
Pocahontas	Bartow (Thornwood)	500		
Pocahontas	Snowshoe	100		
Pocahontas	Slaty Fork	600		
Pocahontas	County Total	3,100	108.19	335,389.00
Randolph	Elkins	600		
Randolph	Harman	750		
Randolph	Coalton	600		
Randolph	Valley Head	600		
Randolph	Mill Creek	600		
Randolph	Pickens	350		
Randolph	Corridor H Lot @ Elkins	1,500		
Randolph	County Total	5,000	99.97	499,850.00
Tucker	Parsons	800		
Tucker	Thomas	400		
Tucker	Thomas	1,500		
Tucker	County Total	2,700	94.12	254,124.00
Estimated Total per District		13,250		1,340,414.50

ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

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Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

DISTRICT 9			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	<i>Unit Price Per Ton</i>	<i>Extended Price</i>
Fayette	Oak Hill	4,500		
Fayette	Lookout	0		
Fayette	Falls View	0		
Fayette	County Total	4,500	No Bid	No Bid
Greenbrier	Lewisburg	700		
Greenbrier	Crawley	1,700		
Greenbrier	I-64 @ Hart's Run	1,000		
Greenbrier	County Total	3,400	No Bid	No Bid
Monroe	Union	500		
Monroe	Peterstown	700		
Monroe	County Total	1,200	No Bid	No Bid
Nicholas	Summersville	2,500		
Nicholas	Curtin	1,500		
Nicholas	Corridor L @ Muddlety	3,000		
Nicholas	County Total	7,000	No Bid	No Bid
Summers	Hinton	1,200		
Summers	County Total	1,200	No Bid	No Bid
Estimated Total per District		17,300		No Bid

ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

Vendor's Unit price shall be per Ton by County. Vendor may bid any or all Counties. Do not type in Grey areas below.

Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

DISTRICT 10			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	<i>Unit Price Per Ton</i>	<i>Extended Price</i>
McDowell	Havaco	2,000		
McDowell	Yukon	500		
McDowell	Johnnycake Mountain	400		
McDowell	Raysel	250		
McDowell	County Total	3,150	No Bid	No Bid
Mercer	Princeton @ WV 20	3,000		
Mercer	Flat Top	500		
Mercer	I-77 @ Princeton	3,000		
Mercer	County Total	6,500	No Bid	No Bid
Raleigh	Skelton	6,000		
Raleigh	Bolt	100		
Raleigh	I-64 @ Bragg	5,000		
Raleigh	County Total	11,100	No Bid	No Bid
Wyoming	Pineville	3,000		
Wyoming	Still Run	900		
Wyoming	Hanover	100		
Wyoming	County Total	4,000	No Bid	No Bid
Estimated Total per District		24,750		No Bid

ATTACHMENT A (ATT A) Materials (Salt) with Delivery F.O.B. to Agency Locations

Vendor's Unit price shall be per Ton by County. Vendor may bid any or all Counties. Do not type in Grey areas below.

Calculate Extended Price by multiplying "County Total Estimated Tons" by the "Unit Price per Ton".

WV PARKWAYS AUTHORITY			<i>American Rock Salt Co., LLC</i>	
County	Delivery/Storage Location	Estimated Tons	Unit Price Per Ton	Extended Price
Kanawha	Chelyan	4,000		
Kanawha	Standard	2,900		
Kanawha	County Total	6,900	No Bid	No Bid
Mercer	Princeton	1,500		
Mercer	County Total	1,500	No Bid	No Bid
Raleigh	Beckley	6,700		
Raleigh	Ghent	3,100		
Raleigh	County Total	9,800	No Bid	No Bid
Estimated Total, Parkways		18,200		No Bid

Attachment B (ATT B) ROADWAY SALT PICK-UP

Pricing Page and Vendor's Storage Location of Salt for Pick-Up FOB by Agency

Enter Vendor's Name:

American Rock Salt Co., LLC

Vendor shall list below the physical address Location of its Roadway Salt Storage site(s) to be used for Pick-Up by the Agency	Pick-Up *Cost Per Ton *shall include cost of Vendor loading Agency trucks.
2244 Gibsonton Rd.	\$60.00/ton pickup
Belle Vernon, PA	

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

DISTRICT 1 - WVDOH

County	Delivery/ Storage Location Site	Physical Address	Bill-to Address	Contact Name	Contact Phone #/Email Address	Org	Long	Lat
Boone	Clinton @ WV85	WV 85 above Van Wharton, WV 25208	203 DOH Garage Road Danville, WV 25053	Keither Baisden	304-369-7808 keither.r.baisden@wv.gov	0103	-81.67344	37.89133
Boone	Rock Creek	203 DOH Garage Road Danville, WV 25053	203 DOH Garage Road Danville, WV 25053	Keither Baisden	304-369-7808 keither.r.baisden@wv.gov	0103	-81.843373	38.102447
Boone	Seth	9288 Coal River Road Seth, WV 25181	203 DOH Garage Road Danville, WV 25053	Keither Baisden	304-369-7808 keither.r.baisden@wv.gov	0103	-81.618629	38.118449
Clay	Widen Road & CR 11	4476 Triplett Ridge Road Clay, WV 25043	4476 Triplett Ridge Road Clay, WV 25043	Terry Legg	304-587-4241 terry.a.legg@wv.gov	0108	-81.010867	38.486246
Clay	Maysel	Route 4 Maysel, WV 25133	4476 Triplett Ridge Road Clay, WV 25043	Terry Legg	304-587-4241 terry.a.legg@wv.gov	0108	-81.117424	38.486493
Kanawha	Chelyan	14987 MacCorkle Avenue Cabin Creek, WV 25035	1340 Smith Street Charleston, WV 25301	Robert Atkins	304-595-1313 robert.atkins@wv.gov	0123	-81.497033	38.19629
Kanawha	Elkview	115 Frame Road Elkview, WV 25071	115 Frame Road Elkview, WV 25071	Jonathan Armentrou	304-965-2860 Jonathan.L.Armentrou@wv.gov	0122	-81.481982	38.446712
Kanawha	North Charleston	2800 W. Washington Charleston, WV 25387	2800 W. Washington Charleston, WV 25387	Randy Hammond	304-744-3050 randy.d.hammond@wv.gov	0121	-81.678822	38.377941
Kanawha	St. Albans	2334 MacCorkle Avenue St Albans, WV 25177	2334 MacCorkle Avenue St. Albans, WV 25177	Stephen Harmon	304-722-0600 stephen.c.harmon@wv.gov	0124	-81.806165	38.385269
Kanawha	I-64 @ Rt. 119 and Penn. Ave.	2266 Pennsylvania Avenue Charleston, WV 25302	2266 Pennsylvania Avenue Charleston, WV 25302	Robert Blaylock	304-342-2520 Robert.D.Blaylock@wv.gov	0172	-81.607311	38.370262
Kanawha	I-77 @ Sissonville	36 Allen Fork Road Sissonville, WV 25320	36 Allen Fork Road Sissonville, WV 25320	Mike Danley	304-988-3241 michael.J.Danley@wv.gov	0173	-81.635435	38.56279
Kanawha	I-79 @ Amma	3134 Amma Road Amma, WV 25005	3134 Amma Road Amma, WV 25005	Kenny Miller	304-565-9801 kenny.a.miller@wv.gov	0174	-81.272707	38.569686
Kanawha	Corridor G @ Alum Creek	401 Champion Drive South Charleston, WV 25309	401 Champion Drive South Charleston, WV 25309	Jackie Blankenship	304-756-3634 jackie.p.blankenship@wv.gov	0182	-81.78225	38.277597
Mason	Glenwood	WV Route 2 Glenwood, WV 25520	225 Fairground Road Point Pleasant, WV 25550	Clarence Pruett	304-675-0853 Clarence.J.Pruett@wv.gov	0127	-82.203569	38.588011
Mason	Pt. Pleasant Fairground Rd.	225 Fairground Road Point Pleasant, WV 25550	225 Fairground Road Point Pleasant, WV 25550	Clarence Pruett	304-675-0853 Clarence.J.Pruett@wv.gov	0127	-82.08445	38.919207
Mason	Pt. Pleasant Jackson Ave	2702 Jackson Avenue Point Pleasant, WV 25550	2702 Jackson Avenue Point Pleasant, WV 25550	Raine Beller	304-759-0713 raine.o.beller@wv.gov	0164	-82.123942	38.871796
Putnam	Red House	Route 62 Box 2 Red House, WV 25168	3526 Teays Valley Road Hurricane, WV 25526	Jesse Miller	304-586-2023 jesse.d.miller@wv.gov	0140	-81.88298	38.545751
Putnam	Hurricane @ Rt. 34	3256 Teays Valley Road Hurricane, WV 25526	3256 Teays Valley Road Hurricane, WV 25526	Jesse Miller	304-586-2023 jesse.d.miller@wv.gov	0140	-82.010375	38.435133
Putnam	I-64 @ Scary Creek	704 Winfield Road St. Albans, WV 25177	704 Winfield Road St. Albans, WV 25177	Kenny Nelson	304-759-0713 kenneth.nelson@wv.gov	0140	-81.850927	38.438286

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

DISTRICT 2 - WVDOH

County	Delivery/ Storage Location Site	Physical Address	Bill-to Address	Contact Name	Contact Phone #	Contact Email Address	Org	Location	Long	Lat
Cabell	Barboursville	6200 Route 60 East	P.O. Box 880	Candis Adkins	304-736-3111	candis.d.adkins@wv.gov	0206	Cabell County Headquarters	-82.26687	38.41030
		Barboursville, WV 25504	Huntington, WV 25712	Tony Edmonds	304-736-3111	tony.s.edmonds@wv.gov				
Cabell	I-64 @ Huntington	3100 16th Street Road	P.O. Box 880	Jerry Pullen	304-528-5669	jerry.l.pullen@wv.gov	0271	Huntington 1-64 Section 1	-82.40061	38.39190
		Huntington, WV 25704	Huntington, WV 25712	Kevin Manns	304-528-5669	kevin.r.manns@wv.gov				
Lincoln	West Hamlin	7338 State Route 10	P.O. Box 880	Cynthia Lucas	304-824-3434	cynthia.d.lucas@wv.gov	0222	Lincoln County Headquarters	-82.19760	38.27505
		West Hamlin, WV 25571	Huntington, WV 25712	Linda Adkins	304-824-3434	linda.g.adkins@wv.gov				
Lincoln	Yawkey	WV State Route 3	P.O. Box 880	Cynthia Lucas	304-824-3434	cynthia.d.lucas@wv.gov	0222	Yawkey Substation	-81.95801	38.22181
		Yawkey, WV 25573	Huntington, WV 25712	Linda Adkins	304-824-3434	linda.g.adkins@wv.gov				
Lincoln	Harts	McClellan Highway	P.O. Box 880	Cynthia Lucas	304-824-3434	cynthia.d.lucas@wv.gov	0222	Harts Substation	-82.13931	38.03799
		Harts, WV 25524	Huntington, WV 25712	Linda Adkins	304-824-3434	linda.g.adkins@wv.gov				
Logan	Corridor G @ Chapmanville	8100 Old Logan Road	P.O. Box 880	Elizabeth Spry	304-792-7030	elizabeth.a.spry@wv.gov	0282	Coord G Sect 2 Chapmanville	-82.00658	37.93572
		Chapmanville, WV 25508	Huntington, WV 25712	Larry Hubbard	304-792-7030	larry.e.hubbard@wv.gov				
Logan	Wilkinson	127 Springfield Road	P.O. Box 880	Elizabeth Spry	304-792-7030	elizabeth.a.spry@wv.gov	0223	Wilkinson Substation	-81.99707	37.82639
		Wilkinson, WV 25653	Huntington, WV 25712	Larry Hubbard	304-792-7030	larry.e.hubbard@wv.gov				
Logan	Man	4801 Buffalo Creek Road	P.O. Box 880	Elizabeth Spry	304-792-7030	elizabeth.a.spry@wv.gov	0223	Man Substation	-81.81131	37.78555
		Amherstdale, WV 25607	Huntington, WV 25712	Larry Hubbard	304-792-7030	larry.e.hubbard@wv.gov				
Mingo	Corridor G @ Miller's Creek Building #03011	1 Highway Garage Road	P.O. Box 880	Tristan Spaulding	304-235-6003	tristan.a.spaulding@wv.gov	0281	Coord G Sect 1 Millers Creek	-82.29806	37.76889
		Williamson, WV 25661	Huntington, WV 25712	Justin Pinson	304-235-6060	justin.pinson@wv.gov				
Mingo	Mingo County @Miller's Creek Building #03025	1 Highway Garage Road	P.O. Box 880	Tristan Spaulding	304-235-6003	tristan.a.spaulding@wv.gov	0230	Mingo County Headquarters	-82.29799	37.76891
		Williamson, WV 25661	Huntington, WV 25712	Justin Pinson	304-235-6060	justin.pinson@wv.gov				
Mingo	Gilbert	US 52	P.O. Box 880	Tristan Spaulding	304-235-6003	tristan.a.spaulding@wv.gov	0230	Gilbert Substation	-81.90345	37.62876
		Gilbert, WV 25621	Huntington, WV 25712	Justin Pinson	304-235-6060	justin.pinson@wv.gov				
Wayne	Prichard	1249 Prichard Road	P.O. Box 880	Kimberly Conway	304-272-5127	kimberly.i.conway@wv.gov	0250	Prichard Substation	-82.59150	38.24342
		Prichard, WV 25555	Huntington, WV 25712	Glenn Matthews	304-486-5010	glenn.a.matthews@wv.gov				
Wayne	Wayne	326 Third Street	P.O. Box 880	Kimberly Conway	304-272-5127	kimberly.i.conway@wv.gov	0250	Wayne County Headquarters	-82.44212	38.22584
		Wayne, WV 25571	Huntington, WV 25712	Glenn Matthews	304-486-5010	glenn.a.matthews@wv.gov				
Wayne	Crum	20351 Tolsia Highway	P.O. Box 880	Kimberly Conway	304-528-5681	kimberly.i.conway@wv.gov	0250	Crum Substation	-82.42865	37.93577
		Crum, WV 25669	Huntington, WV 25712	Glenn Matthews	304-486-5010	glenn.a.matthews@wv.gov				

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

DISTRICT 3 - WVDOH

County	Delivery/ Storage Location Site	Physical Address	Bill-to Address	Contact Name	Contact Phone #/Email Address	Org	Location	Long	Lat
Calhoun	Millstone	7619 S. Calhoun Highway	624 Depot Street	Chris Carter	304-420-4710	0307	Calhoun County Headquarters	-81.1087	38.83870
		Millstone, WV 25261	Parkersburg, WV 26101		chris.l.carter@wv.gov				
Jackson	Ripley	946 Claylick Road	624 Depot Street	Scott Whited	304-372-7857	0318	Jackson County Headquarters	-81.7335	38.83290
		Ripley, WV 25271	Parkersburg, WV 26101		scott.r.whited@wv.gov				
Jackson	I-77 @ Medina	2600 Medina Road	624 Depot Street	Dale Smith	304-420-4610	0372	Medina Substation	-81.6274	38.99560
		Ravenswood, WV 26164	Parkersburg, WV 26101		dale.g.smith@wv.gov				
Pleasants	Belmont	WV Route 2	624 Depot Street	Amanda Nichols	304-420-4705	0337	Pleasants County Headquarters	-81.2637	39.38040
		Belmont, WV 26134	Parkersburg, WV 26101		amanda.l.nichols@wv.gov				
Ritchie	APD Pennsboro	41 Ritchie Industrial Park Road	624 Depot Street	Joshua Cline	304-659-3027	0382	APD Pennsboro		
		Pennsboro, WV 26415	Parkersburg, WV 26101		joshua.c.cline@wv.gov				
Ritchie	Ellenboro	731 Ellenboro Road	624 Depot Street	Paula Haught	304-420-4706	0343	Harrisville Substation	-81.0448	39.24700
		Harrisville, WV 26362	Parkersburg, WV 26101		paula.d.haught@wv.gov				
Ritchie	Comidor D @ Nutter Farm	Nutter Farm @ US 50	624 Depot Street	JoAnn Hardin	304-420-4703	0383	APD Ellenboro	-81.0226	39.27270
		Cairo, WV 26337	Parkersburg, WV 26101		joann.hardin@wv.gov				
Ritchie	Smithville	#18 Main Street	624 Depot Street	Paula Haught	304-420-4706	0343	Smithville Substation	-81.0894	39.07430
		Smithville, WV 26178	Parkersburg, WV 26101		paula.d.haught@wv.gov				
Roane	Lefthand @ WV 36	9734 Clay Road	624 Depot Street	Maridith Parker	304-927-0962	0344	WV 36 - Left Hand	-81.2376	38.62510
		Left Hand, WV 25251	Parkersburg, WV 26101		Maridith.r.Parker@wv.gov				
Roane	Ambler Ridge @ US 119	US 119 @ Ambler Ridge	624 Depot Street	Maridith Parker	304-927-0962	0344	Ambler Ridge Substation	-81.3887	38.59600
		Walton, WV 25286	Parkersburg, WV 26101		Maridith.r.Parker@wv.gov				
Roane	Spencer	269 Charleston Road	624 Depot Street	Maridith Parker	304-927-0962	0344	Roane County Headquarters	-81.3584	38.78480
		Spencer, WV 25276	Parkersburg, WV 26101		Maridith.r.Parker@wv.gov				
Wirt	Elizabeth	610 Schoolview Street	624 Depot Street	Chasity Stephens	304-420-4707	0343	Harrisville Substation	-81.0448	39.24700
		Elizabeth, WV 26143	Parkersburg, WV 26101		chasity.r.stephens@wv.gov				
Wood	Parkersburg @ Rt. 95S	905 Lubeck Avenue	624 Depot Street	Tammy McCauley	304-420-4700	0371	I-77 Section 1 (Parkersburg)	-81.5032	39.23650
		Parkersburg, WV 26101	Parkersburg, WV 26101		tammy.m.mccauley@wv.gov				
Wood	I-77 @ Parkersburg	1758 Mill Run Road	624 Depot Street	JoAnn Hardin	304-420-4703	0371	I-77 Section 1 (Parkersburg)	-81.5032	39.23650
		Parkersburg, WV 26101	Parkersburg, WV 26101		joann.hardin@wv.gov				
Wood	Corridor D @ Riverhill	253 @ River Hill Road	624 Depot Street	JoAnn Hardin	304-420-4703	0382	US 50 River Hill		
		Washington, WV 26181	Parkersburg, WV 26101		joann.hardin@wv.gov				

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

DISTRICT 4 - WVDOH

County	Delivery/ Storage Location Site	Physical Address	Bill-to Address	Contact Name	Contact Phone #	Contact Email Address	Org	Location	Long	Lat
Doddridge	Greenwood	321 Long Run Rd Greenwood, WV 26415	P. O. Box 4220 Clarksburg, WV 26302	Bob Cornell	304-873-2771	robert.w.cornell@wv.gov	0409	Doddridge County Headquarters	-80.889547	39.275167
Doddridge	Smithburg	Old Route 50 Smithburg, WV 26456	P. O. Box 4220 Clarksburg, WV 26302	Dave Alexander Tonya Gum	304-627-2412 304-627-2412	david.p.alexander@wv.gov tonya.l.gum@wv.gov	0409	Doddridge County Headquarters	-80.745100	39.297700
Harrison	Gore	Route 20 Gore, WV 26301	P. O. Box 4220 Clarksburg, WV 26302	Wayne Marrs	304-627-2140 304-627-2140	lewis.w.marrs@wv.gov	0417	Harrison County Headquarters (Gore)	-80.354000	39.309600
Harrison	Saltwell	Exit 125 off I-79, North of Clarksburg, WV 26301	P. O. Box 4220 Clarksburg, WV 26302	Bob Suan Cole Williams	304-627-2411 304-627-2411	bob.g.suan@wv.gov cole.s.williams@wv.gov	0472	I-79, Section Three Headquarters	-80.221899	39.335847
Harrison	I-79 @ Lost Creek	Exit 110 off I-79 Lost Creek, WV 26385	P. O. Box 4220 Clarksburg, WV 26302	Bob Suan Cole Williams	304-627-2411 304-627-2411	bob.g.suan@wv.gov cole.s.williams@wv.gov	0472	Lost Creek Substation	-80.343700	39.171700
Harrison	APD 50 @ Tunnel Hill	Jct US 50 & Co Route 50/7 Tunnel Hill, WV 26426	P. O. Box 4220 Clarksburg, WV 26302	Cliff Fulton Robbie Wilmoth	304-627-2410 304-627-2410	clifford.w.fulton@wv.gov robert.a.wilmoth@wv.gov	0482	Tunnel Hill Substation	-80.510400	39.292500
Marion	Fairmont	916 Country Club Road Fairmont, WV 26554	P. O. Box 4220 Clarksburg, WV 26302	Jeff Pethel Lois Nunan	304-367-2730 304-367-2730	jeff.l.pethel@wv.gov lois.j.nunan@wv.gov	0425	Marion County Headquarters	-80.166600	39.468600
Marion	Mannington	US Route 250 Mannington, WV 26582	P. O. Box 4220 Clarksburg, WV 26302	Don Luzadder Lois Nunan	304-986-2600 304-367-2730	donald.e.luzadder@wv.gov lois.j.nunan@wv.gov	0425	Mannington Substation	-80.324400	39.519500
Monongalia	I-79 @ Goshen Road	Exit 146 off I-79 Goshen Road, WV 26508	P. O. Box 4220 Clarksburg, WV 26302	Ron Cumpston Donald Bragg	304-285-3145 304-692-6364	ronald.e.cumpston@wv.gov donald.l.bragg@wv.gov	0471	Goshen Road Substation	-79.990500	39.537800
Monongalia	Ridgedale	1510 Grafton Road Morgantown, WV 26508	P. O. Box 4220 Clarksburg, WV 26302	Michelle Carroll Laura Vincent	304-285-3207 304-285-3207	michelle.g.carroll@wv.gov laura.m.vincent@wv.gov	0431	Monongalia County Headquarters	-79.943900	39.560500
Monongalia	Pentress	WV Route 7 Pentress, WV 26544	P. O. Box 4220 Clarksburg, WV 26302	Jim Compton Michelle Carroll	304-879-5275 304-285-3207	leroy.j.compton@wv.gov michelle.g.carroll@wv.gov	0431	Pentress Substation	-80.207200	39.719200
Preston	Bruceston Mills	WV Route 26 South of Bruceston Mills, WV 26525	P. O. Box 4220 Clarksburg, WV 26302	Blain Bowmar	304-329-0192	blain.a.bowmar@wv.gov	0439	Bruceston Mills Substation	-79.641000	39.647200
Preston	Albright	216 St. Joe Road Albright, WV 26519	P. O. Box 4220 Clarksburg, WV 26302	Blain Bowmar Margie Waybright	304-329-0192 304-329-0192	blain.a.bowmar@wv.gov margorie.a.waybright@wv.gov	0439	Preston County Headquarters	-79.632100	39.483900
Preston	Terra Alta	WV Route 7 East of Terra Alta, WV 26764	P. O. Box 4220 Clarksburg, WV 26302	Blain Bowmar	304-329-0192	blain.a.bowmar@wv.gov	0439	Terra Alta Substation	-79.514900	39.438300
Preston	Fellowsville	US Route 50 East of Fellowsville, WV 26444	P. O. Box 4220 Clarksburg, WV 26302	Blain Bowmar	304-329-0192	blain.a.bowmar@wv.gov	0439	Fellowsville Substation	-79.812300	39.327300
Preston	Aurora	US Route 50 West of Aurora, WV 26705	P. O. Box 4220 Clarksburg, WV 26302	Blain Bowmar	304-329-0192	blain.a.bowmar@wv.gov	0439	Aurora Substation	-79.568200	39.317000
Preston	I-68 @ Cooper's Rock	Exit 15 off I-68 Coopers Rock, WV 26525	P. O. Box 4220 Clarksburg, WV 26302	Tina Bragg Richard Coddington	304-285-3206 304-285-3206	tina.m.bragg@wv.gov richard.l.coddington@wv.gov	0473	Coopers Rock Substation	-79.776830	39.659669
Taylor	Fetterman/Prunytown	US 250 East of Prunytown, WV 26354	P. O. Box 4220 Clarksburg, WV 26302	John Corio Lisa Altman	304-265-6110 304-265-6110	john.r.corio@wv.gov lisa.l.altman@wv.gov	0446	Taylor County Headquarters	-80.065800	39.322100

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

DISTRICT 5 - WVDOH

County	Delivery/ Storage Location Site	Physical Address	Bill-to Address	Contact Name	Contact Phone #/Email Address	Org	Location	Long	Lat
Berkeley	I-81 @ Martinsburg - 0571 Storage Bldg	1867 Rock Cliff Drive Martinsburg, WV 25401	1867 Rock Cliff Drive Martinsburg, WV 25401	Glenn Oden	304-267-0085 merle.g.oden@wv.gov	0571	I-81 Interstate HQ	-77.9667	39.49226
Berkeley	1867 Rock Cliff Drive - 0502 Storage Bldg	1867 Rock Cliff Drive Martinsburg, WV 25401	1867 Rock Cliff Drive Martinsburg, WV 25401	Nancy Minnick	304-267-0060 nancy.e.minnick@wv.gov	0502	Tabler Station	-78.02559	39.40807
Berkeley	I-81 @ Exit 8	Behind Park n Ride Exit 8 South Bound 25401	1867 Rock Cliff Drive Martinsburg, WV 25401	Nancy Minnick	304-267-0060 nancy.e.minnick@wv.gov	0502	Berkeley County HQ	-77.9667	39.49226
Grant	Petersburg	H.C. 59, Box 245 (Route 28) Petersburg, WV 26847	H.C. 59, Box 245 Petersburg, WV 26847	Glenna Lott	304-257-4455 glenna.d.lott@wv.gov	0512	Grant Co HQ	-79.17084	39.004214
Grant	Mt. Storm	Corner of WV 42 & Route 50 Mt. Storm, WV 26739	H.C. 59, Box 245 Petersburg, WV 26847	Glenna Lott	304-257-4455 glenna.d.lott@wv.gov	0512	Mount Storm Substation	-79.24079	39.275529
Grant	Corridor H @ Knobley Road	US Route 48 (off of Corridor H) Maysville, WV 26833	2104 State Route 55 Moorefield, WV 26836	Tammy Crites	304-434-2228 tammy.l.crites2@wv.gov	0583	Knobley	-79.13427	39.1527
Hampshire	Romney	H. C. 64, Box 232 (Jersey Mtn. Road) Romney, WV 26757	H.C. 64, Box 232 Romney, WV 26847	Autumn Kiser	304-822-4167 autumn.d.kiser@wv.gov	0514	Hampshire County HQ	-78.71298	39.34021
Hampshire	Capon Bridge	Route 50 Capon Bridge, WV 26711	H.C. 64, Box 232 Romney, WV 26847	Autumn Kiser	304-822-4167 autumn.d.kiser@wv.gov	0514	Capon Bridge Substation	-78.43888	39.300615
Hampshire	Slanesville	Route 29 Slanesville, WV 25444	H.C. 64, Box 232 Romney, WV 26847	Autumn Kiser	304-822-4167 autumn.d.kiser@wv.gov	0514	Slanesville	-78.50462	39.378318
Hardy	Moorefield	2104 State Route 55 Moorefield, WV 26836	2104 State Route 55 Moorefield, WV 26836	Donna Eye	304-434-2525 donna.k.eye@wv.gov	0516	Hardy County HQ	-78.93765	39.067901
Hardy	Baker	County Route 29 Baker, WV 26801	2104 State Route 55 Moorefield, WV 26836	Donna Eye	304-434-2525 donna.k.eye@wv.gov	0516	Baker Substation	-78.72676	39.063316
Jefferson	Charles Town - 0519 Storage Bldg	1301 Leetown Pike Kearneysville, WV 25430	1301 Leetown Pike Kearneysville, WV 25430	Leslie Stout	304-725-5821 leslie.r.stout@wv.gov	0519	Jefferson County HQ	-77.91561	39.336894
Jefferson	Charles Town - New Shed - 0564 Storage Bldg	1301 Leetown Pike (on same lot as above)	1301 Leetown Pike Kearneysville, WV 25430	Kevin Dodson	304-725-5821 kevin.m.dodson@wv.gov	0564	9/340 Expressway HQ	-77.91561	39.336894
Mineral	New Creek	HC 72, Box 72AA (US Route 50) New Creek, WV 26743	H.C. 72, Box 72AA New Creek, WV 26743	Jessica Paugh	304-788-1221 jessica.l.paugh@wv.gov	0529	Mineral County HQ	-79.04336	39.360905
Mineral	Sky Line (Elk Garden)	Route 42 Elk Garden, WV 26717	H.C. 72, Box 72AA New Creek, WV 26743	Jessica Paugh	304-788-1221 jessica.l.paugh@wv.gov	0529	Skyline Substation	-79.13001	39.324313
Mineral	Short Gap	Route 28 Ridgeley, WV 26753	H.C. 72, Box 72AA New Creek, WV 26743	Jessica Paugh	304-788-1221 jessica.l.paugh@wv.gov	0529	Short Gap Substation	-78.80772	39.537577
Mineral	District Headquarters (Burlington)	US Route 50 Burlington, WV 26710	P.O. Box 99 Burlington, WV 26710	Jim Wolford	304-289-2261 jim.d.wolford@wv.gov	0567	District 5 HQ	-78.91364	39.338331
Morgan	Berkeley Springs	166 DOH Lane (off of US 522) Berkeley Springs, WV 25411	166 DOH Lane Berkeley Springs, WV 25411	Jane Munson	304-258-2578 jane.e.munson@wv.gov	0533	Morgan County Hq	-78.24245	39.603317
Morgan	Largent	Route 9 Great Cacapon, WV 25422	166 DOH Lane Berkeley Springs, WV 25411	Jane Munson	304-258-2578 jane.e.munson@wv.gov	0533	Largent Substation	-78.38059	39.481842

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

DISTRICT 6 - WVDOH

County	Delivery/ Storage Location Site	Physical Address	Bill-to Address	Contact Name	Contact Phone #/Email Address	Org	Location	Long	Lat
Brooke	Wellsburg	WV Route 2, Box 615 Wellsburg, WV 26070	WV Route 2, Box 615 Wellsburg, WV	Beth Green	304-238-1199 beth.a.green@wv.gov	0605	Brooke County HQ	-80.609200	40.291300
Brooke	Weirton	1225 Rice Road Weirton, WV 26062	WV Route 2, Box 615 Wellsburg, WV 26070	Beth Green	304-238-1199 beth.a.green@wv.gov	0605	US 22 Substation	-80.567662	40.395117
Hancock	New Manchester	1936 Veterans Blvd New Cumberland, WV 26047	1936 Veterans Blvd New Cumberland, WV	Vicki West	304-238-1200 vicki.l.west@wv.gov	0615	Hancock County HQ	-80.596400	40.528700
Marshall	Glen Dale	100 Wheeling Avenue Glen Dale, WV 26038	100 Wheeling Avenue Glen Dale, WV	Doris McCardle	304-843-4055 doris.v.mccardle@wv.gov	0626	Marshall County HQ	-80.753200	39.954600
Marshall	Cameron	33 Courtright Lane Cameron, WV 26033	100 Wheeling Avenue Glen Dale, WV 26038	Doris McCardle	304-843-4055 doris.v.mccardle@wv.gov	0626	Cameron Substation	-80.554600	39.819600
Marshall	Sand Hill	RD 4, Box 269A Cameron, WV 26033	100 Wheeling Avenue Glen Dale, WV 26038	Doris McCardle	304-843-4055 doris.v.mccardle@wv.gov	0626	Sand Hill Substation	-80.542377	39.952418
Marshall	Lynn Camp	438 Richmond Lane Glen Easton, WV 26039	100 Wheeling Avenue Glen Dale, WV 26038	Doris McCardle	304-843-4055 doris.v.mccardle@wv.gov	0626	Lynn Camp Substation	-80.674667	39.810047
Ohio	Triadelphia	3870 National Road Triadelphia, WV 26059	3870 National Road Triadelphia, WV	Tequila Oliver	304-238-1202 tequila.a.oliver@wv.gov	0626	Ohio County HQ	-80.635600	40.047500
Ohio	I-70 @ Triadelphia	566 Woodland Acres Road Wheeling, WV 26003	566 Woodland Acres Road Wheeling, WV 26003	Valerie White	304-238-1202 valerie.m.white@wv.gov	0671	I-70 Interstate HQ	-80.634341	40.044256
Tyler	Sistersville	730 Tyler Highway Sistersville, WV 26175	2566 Tyler Highway Sistersville, WV	Thelma Deaton	304-843-4057 thelma.f.deaton@wv.gov	0648	Tyler County HQ	-80.965163	39.540286
Tyler	Centerville	4901 Middle Island Road Alma, WV 26320	730 Tyler Highway Sistersville, WV	Thelma Deaton	304-843-4057 thelma.f.deaton@wv.gov	0648	Centerville Substation	-80.835687	39.412453
Wetzel	New Martinsville	N. State Route 2, Box 641 New Martinsville, WV 26155	N. State Route 2, Box 641 New Martinsville, WV	Donna Palmer	304-843-4058 donna.l.palmer@wv.gov	0652	Wetzel County HQ	-80.856100	39.682300
Wetzel	Pine Grove	WV 20, MP 17.14 Pine Grove, WV 26419	N. State Route 2, Box 641 New Martinsville, WV	Donna Palmer	304-843-4058 donna.l.palmer@wv.gov	0652	Pine Grove Substation	-80.696000	39.564700
Wetzel	Hundred	US 250, MP3.00 Hundred, WV 26575	N. State Route 2, Box 641 New Martinsville, WV	Donna Palmer	304-843-4058 donna.l.palmer@wv.gov	0652	Hundred Substation	-80.443000	39.670500

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

DISTRICT 7 - WVD0H

County	Delivery/ Storage Location	Physical Address	Bill-to Address	Contact Name	Contact Phone#/Email Address	Org	Location	Long	Lat
Barbour	Phillipi	1439 Mansfield Drive Phillipi, WV 26416	P. O. Box 1228 Weston, WV 26452	Delphia Shrader	304-457-1597 delphia.l.shrader@wv.gov	0701	Barbour County HQ (000111)	-80.0659	39.1421
Barbour	Belington	248 Dunham Cut Road Belington, WV 26250	P. O. Box 1228 Weston, WV 26452	Delphia Shrader	304-457-1597 delphia.l.shrader@wv.gov	0701	Belington Substation (000113)	-79.9225	309.0332
Braxton	Gassaway	1001 State Street Gassaway, WV 26624	P. O. Box 1228 Weston, WV 26452	Debra Quinn	304-364-5238 debra.l.quinn@wv.gov	0704	Braxton County HQ (000444)	-80.7528	38.6608
Braxton	Heaters	5206 Gauley Turnpike Heaters, WV 26627	P. O. Box 1228 Weston, WV 26452	Debra Quinn	304-364-5238 debra.l.quinn@wv.gov	0704	Heaters Substation (000431)	-80.6252	38.7622
Braxton	I-79 @ Coon Knob	80 Coon Knob, DOH Road Sutton, WV 26601	P. O. Box 1228 Weston, WV 26452	Eric Belknap	304-364-8440 Eric.D.Belknap@wv.gov	0771	Coon Knob Substation (000405)	-80.7563	38.6213
Braxton	I-79 @ Burnsville	888 Burnsville Road Burnsville, WV 26335	P. O. Box 1228 Weston, WV 26452	Scottie Stout	304-853-2454 Scottie.J.Stout@wv.gov	0772	Burnsville Substation (000432)	-80.6739	38.8659
Gilmer	Glenville	3531 US 33, East Glenville, WV 26351	P. O. Box 1228 Weston, WV 26452	Cathy Shackelford	304-462-7325 cathy.a.shackelford@wv.gov	0711	Gilmer County HQ (001110)	-80.7926	38.9619
Lewis	Weston (Ben Dale)	937 US 19, South Weston, WV 26452	P. O. Box 1228 Weston, WV 26452	Monica Rogers	304-269-0470 monica.m.rogers@wv.gov	0721	Lewis County Headquarters (002108)	-80.4764	39.0169
Lewis	Corridor H @ Mudlick	309 Mudlick Road Weston, WV 26452	P. O. Box 1228 Weston, WV 26452	Roger Sisk	304-473-4304 roger.l.sisk@wv.gov	0782	APD (Weston Mudlick) (002187)	-80.4311	39.0206
Upshur	Clow Lot @ Buckhannon	493 Mudlick Road Buckhannon, WV 26201	P. O. Box 1228 Weston, WV 26452	Aleece Williams	304-473-4225 c.aleece.williams@wv.gov	0749	Upshur County HQ (004912)	-80.2546	39.0116
Upshur	Tennerton	646 Route 20, South Buckhannon, WV 26201	P. O. Box 1228 Weston, WV 26452	Aleece Williams	304-473-4225 c.aleece.williams@wv.gov	0749	Upshur County SubHQ (004903)	-80.3495	38.7718
Upshur	Kanawha Head	18022 Route 20, South Buckhannon, WV 26201	P. O. Box 1228 Weston, WV 26452	Aleece Williams	304-473-4225 c.aleece.williams@wv.gov	0749		-80.3508	-38.7806
Webster	Cherry Falls	808 Point Mountain Road Webster Springs, WV 26288	P. O. Box 1228 Weston, WV 26452	Theresa Gibson	304-847-2114 theresa.j.gibson@wv.gov	0751		-80.3937	-38.4646
Webster	Cowen	6402 Webster Road Cowen, WV 26206	P. O. Box 1228 Weston, WV 26452	Theresa Gibson	304-847-2114 theresa.j.gibson@wv.gov	0751	RT 20 Near Cowen Substation (0051)	-80.5354	38.4094
Webster	Hacker Valley	56 Pickens Grade Road Hacker Valley WV 26222	P. O. Box 1228 Weston, WV 26452	Theresa Gibson	304-847-2114 theresa.j.gibson@wv.gov	0751	Hacker Valley Substation (005120)	-80.3799	38.6519

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

DISTRICT 8 - WVDOH

County	Delivery/ Storage Location S	Physical Address	Bill-to Address	Contact Name	Contact Phone #/Email Address	Org	Location	Loc Desc	Long	Lat
Pendleton	Franklin, 220 North	3153 Petersburg Pike US 220N, Franklin, WV 26807	P. O. Box 1516 Elkins, WV 26241	Dywayne Stout	304-358-2702 albert.h.hartman@wv.gov	0836	Rt 220 North Lot	US 220 -- 2.20 Mi. North Jct. US 33 & US 220	-79.326894	38.682757
Pendleton	Judy Gap	12795 Mountaineer Drive US 33, Riverton, WV 26814	P. O. Box 1516 Elkins, WV	Dywayne Stout	304-358-2702 albert.h.hartman@wv.gov	0836	Judy Gap Substation	US 33 - 0.5 mi. North of Jct. US 33 & WV 28	-79.467481	38.711186
Pendleton	Brandywine	12211 Blue Gray Trail CR 21, Brandywine, WV 26802	P. O. Box 1516 Elkins, WV	Dywayne Stout	304-358-2702 albert.h.hartman@wv.gov	0836	Brandywine Stockpile	US 33 -- 0.60 Mi. East of Jct. CR 21 & US 33	-79.236129	38.622249
Pendleton	Onego	3354 Allegheny Drive US 33, Seneca Rocks, WV 26884	P. O. Box 1516 Elkins, WV	Dywayne Stout	304-358-2702 albert.h.hartman@wv.gov	0836	Onego Stockpile	US 33 -- 0.50 Mi. West of Jct. US 33 & CR 5/	-79.426343	38.852193
Pendleton	Franklin, 220 South	6591 Upper South Branch Road US 220S, Franklin, WV 26807	P. O. Box 1516 Elkins, WV 26241	Dywayne Stout	304-358-2702 albert.h.hartman@wv.gov	0836	Rt 220 South Lot	US 220 -- 2.07 Mi. North of Jct. CO 25 & US	-79.410338	38.585892
Pocahontas	Marlinton	25 Brush Country Rd US 219, Marlinton, WV 24954	P. O. Box 1516 Elkins, WV 26241	Josh Dilley	304-799-4867 joshua.i.dilley@wv.gov	0838	Pocahontas County HQ	US 219 -- At Jct. US 219 & CR 15	-80.087167	38.238067
Pocahontas	Seebert	863 Seebert Rd CR 27, Seebert, WV 24946	P. O. Box 1516 Elkins, WV 26241	Josh Dilley	304-799-4867 joshua.i.dilley@wv.gov	0838	Seebert Stockpile	CR 27 -- 1.0 Mile East of US 219	-80.186737	38.136082
Pocahontas	Greenbank	4757 Potomac Highlands Trail WV 28, Green Bank, WV 24944	P. O. Box 1516 Elkins, WV 26241	Josh Dilley	304-799-4867 joshua.i.dilley@wv.gov	0838	Green Bank Substation	WV 28 -- 0.50 Mi. South of Jct. WV 28 & CR	-79.842462	38.416242
Pocahontas	Bartow (Thomwood)	156 Thomwood Rd WV 28, Bartow, WV 24920	P. O. Box 1516 Elkins, WV 26241	Josh Dilley	304-799-4867 joshua.i.dilley@wv.gov	0838	Bartow Lot	CO 28/19 -- 0.17 Mi. North of Jct. WV 28 & C	-79.760539	38.547641
Pocahontas	Snowshoe	24 Shavers Lake Rd CR 9/3, Snowshoe, WV 26209	P. O. Box 1516 Elkins, WV 26241	Josh Dilley	304-799-4867 joshua.i.dilley@wv.gov	0838	Snowshoe Stockpile	CO 9/3 -- Silver Lake Road	-79.995836	38.435312
Pocahontas	Slaty Fork	35807 Seneca Trail US 219, Slaty Fork, WV 26291	P. O. Box 1516 Elkins, WV 26241	Josh Dilley	304-799-4867 joshua.i.dilley@wv.gov	0838	Slaty Fork Stockpile	US 219 -- 3.0 Miles South of WV 66	-80.098980	38.418395
Randolph	Elkins	76 Country Club Rd CR 219/11, Elkins, WV 26241	P. O. Box 1516 Elkins, WV 26241	Leonard Markley	304-637-0266 leonard.e.markley@wv.gov	0842	Randolph County HQ	0.10 Mi. S. JCT 219/11 US219 7 US250	-79.848604	38.888936
Randolph	Harman	22445 Allegheny Highway US 33, Harman, WV 26270	P. O. Box 1516 Elkins, WV 26241	Leonard Markley	304-637-0266 leonard.e.markley@wv.gov	0842	Harman Substation	Intersection of US 33 & WV 32	-79.522874	38.921273
Randolph	Coalton	2453 Coalton-Pumpkintown Rd CR 53, Coalton, WV 26257	P. O. Box 1516 Elkins, WV 26241	Leonard Markley	304-637-0266 leonard.e.markley@wv.gov	0842	Coalton Substation	CR 53 -- near Jct. CR 53 & CR 5/3	-79.976773	38.907759
Randolph	Valley Head	245 Point Mountain Rd WV 15, Valley Head, WV 26294	P. O. Box 1516 Elkins, WV 26241	Leonard Markley	304-637-0266 leonard.e.markley@wv.gov	0842	Valley Head Substation	WV 15 -- 0.10 Mi. SW Jct. of US 219 & WV 1	-80.037778	38.551946
Randolph	Mill Creek	9407 Seneca Trail US 219, Mill Creek, WV 26280	P. O. Box 1516 Elkins, WV 26241	Leonard Markley	304-637-0266 leonard.e.markley@wv.gov	0842	Mill Creek Substation	US 250/US 219 -- 0.67 Mi. N. Jct. of CR 46	-79.966415	38.737338
Randolph	Pickens	1019 Pickens Rd CR 45, Pickens, WV 26230	P. O. Box 1516 Elkins, WV 26241	Leonard Markley	304-637-0266 leonard.e.markley@wv.gov	0842	Pickens Substation	CR 45 -- at the Jct. of CR 46/1 & CR 45	-80.200313	38.657067
Randolph	Corridor H Lot @ Elkins	489 Leading Creek Rd US 219N, Elkins, WV 26241	P. O. Box 1516 Elkins, WV 26241	David Skidmore	304-637-0220 david.r.skidmore@wv.gov	0882	Corridor H	US 48 -- 0.52 Mi. W CO 1 Connector	-79.850291	38.973147
Tucker	Parsons	9209 Seneca Trail US 219, Parsons, WV 26287	P. O. Box 1516 Elkins, WV 26241	Dennis Roth	304-478-2304 dennis.k.roth@wv.gov	0847	Tucker County HQ	US 219/WV 72 -- 0.10 Mi. S. Jct. CR 219/14	-79.655486	39.091667
Tucker	Thomas	15933 Appalachian Highway WV 32, Thomas, WV 26292	P. O. Box 1516 Elkins, WV 26241	Dennis Roth	304-478-2304 dennis.k.roth@wv.gov	0847	Thomas Substation	WV 32 -- at Jct. of CR 32/1	-79.656404	39.091800
Tucker	Corridor H Lot @ Thomas	15933 Appalachian Highway WV 32, Thomas, WV 26292	P. O. Box 1516 Elkins, WV 26241	Greg Roy	304-642-1140 no email	0883	Corridor H - Thomas	WV 32 -- at Jct. of CR 32/1	-79.495730	39.141724

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

DISTRICT 9 - WVDOH

County	Delivery/ Storage Location	Physical Address	Bill-to Address	Contact Name	Contact Phone #/Email Address	Org	Location	Long	Lat
Fayette	Oak Hill	3121 Main Street, WV 16 Oak Hill, WV 25901	146 Stonehouse Road Lewisburg, 24901	John Dixon	304-465-1832 john.c.dixonIII@wv.gov	0982	Oak Hill APD	-81.133700	37.999100
Fayette	Lookout	4064 Clifftop Road Lookout, WV 25868	146 Stonehouse Road Lewisburg, 24901	Michael Knight	304-574-0373 john.c.dixonIII@wv.gov	0910	Lookout Substation	-80.951700	38.048500
Fayette	Falls View	5727 Midland Trail Charlton Heights, WV 25040	146 Stonehouse Road Lewisburg, 24901	Wayne Coen	304-779-2860 eugene.coenjr@wv.gov	0910	Falls View Substation	-81.244500	38.125800
Greenbrier	Lewisburg	700 N Jefferson Street, US 219 Lewisburg, WV 24901	146 Stonehouse Road Lewisburg, 24901	Shaun Viers	304-647-7465 shaun.d.viers@wv.gov	0913	Greenbrier County HQ	-80.420600	37.822100
Greenbrier	Crawley	157 Midland Trail / West, US 60 Crawley, WV 24931	146 Stonehouse Road Lewisburg, 24901	Rick Viers	304-392-6712 richard.a.viers@wv.gov	0913	Crawley Substation	-80.632600	37.908100
Greenbrier	I-64 @ Hart's Run	297 John Bowling Jr Lane, Exit 175 off I-64 Caldwell, WV 24925	146 Stonehouse Road Lewisburg, 24901	Matt Curry	304-536-1472 matthew.r.curry@wv.gov	0971	Harts Run Substation	-80.347100	37.772300
Monroe	Union	875 Sweet Springs Valley Road Union, WV 24983	146 Stonehouse Road Lewisburg, 24901	Vacant	304-772-3037	0932	Monroe County HQ	-80.528100	37.592200
Monroe	Peterstown	511 Ballard-Red Sulphur Parkway Peterstown, WV 24963	146 Stonehouse Road Lewisburg, 24901	Elwin Dillon	304-753-9778	0932	Peterstown Substation	-80.794300	37.402600
Nicholas	Summersville	777 Turnpike Road, WV 39 Summersville, WV 26651	146 Stonehouse Road Lewisburg, 24901	Charles Reel	304-872-0811 charles.j.reel@wv.gov	0934	Nicholas County HQ	-80.867700	38.290100
Nicholas	Curtin	5498 Richwood Road Richwood, WV 26261	146 Stonehouse Road Lewisburg, 24901	Eddie Barlett	304-846-9501 charles.j.reel@wv.gov	0934	Curtin Substation	-80.635500	38.285400
Nicholas	Corridor L @ Muddlety	50 State Garage Road, Muddlety Summersville, WV 26651	146 Stonehouse Road Lewisburg, 24901	Terry Bosely	304-872-0823 Terry.J.Bosely@wv.gov	0983	Muddlety Substation	-80.829800	38.369900
Summers	Hinton	20414 State Route 12 Hinton, WV 25951	146 Stonehouse Road Lewisburg, 24901	James Hardy	304-466-2802 james.g.hardy@wv.gov	0945	Summers County HQ	-80.791100	37.620700

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

DISTRICT 10 - WVDOH

County	Delivery/ Storage Location Site	Physical Address	Bill-to Address	Contact Name	Contact Phone #	Contact Email Address	Org	Location	Long	Lat	Loc Desc
McDowell	Havaco	100 Headquarters Lane Havaco, WV 24801	270 Hardwood Lane Princeton, WV 24740	Andrew Thomas Patricia Wagers	304-436-6896 304-436-8411	lloyd.a.thomas@wv.gov patricia.a.wagers@wv.gov	1024	McDowell County HQ	-81.572303	37.399177	
McDowell	Yukon	383 Marshall Highway Yukon, WV 24892	270 Hardwood Lane Princeton, WV 24740	Andrew Thomas Patricia Wagers	304-436-6896 304-436-8411	lloyd.a.thomas@wv.gov patricia.a.wagers@wv.gov	1024	Yukon Substation	-81.696982	37.320782	
McDowell	Johnnycake Mountain	72 Coal Heritage Rd Johnny Cake, WV 24844	270 Hardwood Lane Princeton, WV 24740	Andrew Thomas Patricia Wagers	304-436-6896 304-436-8411	lloyd.a.thomas@wv.gov patricia.a.wagers@wv.gov	1024	Johnny Cake Substation	-81.811437	37.505975	
McDowell	Raysal	N 37.3461 W 81.7791 Raysal, WV 24879	270 Hardwood Lane Princeton, WV 24740	Andrew Thomas Patricia Wagers	304-436-6896 304-436-8411	lloyd.a.thomas@wv.gov patricia.a.wagers@wv.gov	1024	Raysal	-81.779132	37.346217	
Mercer	Princeton @ WV 20	454 New Hope Rd Princeton, WV 24740	270 Hardwood Lane Princeton, WV 24740	Kevin Belcher Melissa D. Midkiff	304-425-2782 304-425-2025	kevin.g.belchers@wv.gov melissa.d.midkiff@wv.gov	1028	Mercer County HQ	-81.115398	37.366396	WV 20 -- 0.10 Mi. W. of Princeton at Jct. WV 104
Mercer	Flat Top	21585 Beckley Road Flat Top, WV 25841	270 Hardwood Lane Princeton, WV 24740	Kevin Belcher Melissa D. Midkiff	304-425-2782 304-425-2025	kevin.g.belchers@wv.gov melissa.d.midkiff@wv.gov	1028	Flat Top Substation	-81.108332	37.587853	
Mercer	I-77 @ Princeton	320 Ambrose Lane Princeton, WV 24740	270 Hardwood Lane Princeton, WV 24740	Kevin Weiss Richard A. Cregger	304-487-5280 304-487-5228	kevin.e.weiss@wv.gov richard.a.cregger@wv.gov	1071	I-77 near Princeton	-81.055387	37.358522	
Raleigh	Skelton	379 Market Road Beckley, WV 25801	270 Hardwood Lane Princeton, WV 24740	Johnny Vass Marcia McGrady	304-256-6830 304-256-6746	johnny.a.vass@wv.gov marcia.d.mcgrady@wv.gov	1041	Raleigh County HQ	-81.188918	37.812597	Located on County route 21/04 at Skelton
Raleigh	Bolt	2314 Bolt Road Bolt, WV 25817	270 Hardwood Lane Princeton, WV 24740	Johnny Vass Marcia McGrady	304-256-6830 304-256-6746 304-256-6830	johnny.a.vass@wv.gov marcia.d.mcgrady@wv.gov	1041	Bolt Substation	37.764016	37.764016	
Raleigh	I-64 @ Bragg	200 Samaritan Drive Shady Spring, WV 25918	270 Hardwood Lane Princeton, WV 24740	Joe Adkins	304-763-5312	r.joe.adkins@wv.gov	1072	Bragg Substation	-80.984845	37.773654	
Wyoming	Pineville	1409 Bearhole Rd (WV 97) Pineville, WV 24874	270 Hardwood Lane Princeton, WV 24740	Tom Ellis Eva England	304-732-7280 304-732-7031	thomas.e.ellis@wv.gov eva.m.england@wv.gov	1055	Wyoming County HQ	-81.509619	37.591109	
Wyoming	Still Run	9390 River Road Still Run, WV 25882	270 Hardwood Lane Princeton, WV 24740	Tom Ellis Eva England	304-732-7280 304-732-7031 304-294-4123	thomas.e.ellis@wv.gov eva.m.england@wv.gov	1055	Still Run Substation	-81.434440	37.578902	
Wyoming	Hanover	2959 US 52 Hanover, WV 24839	270 Hardwood Lane Princeton, WV 24740	Tom Ellis Eva England	304-732-7280 304-732-7031	thomas.e.ellis@wv.gov eva.m.england@wv.gov	1055	Hanover Outpost	-81.798082	37.572979	

SODIUM CHLORIDE DELIVERY F.O.B AGENCY'S DELIVERY/ STORAGE LOCATIONS - CONTACT INFORMATION

WV Parkways Authority

County	Parkways Authority Delivery/Storage Location Site	Physical Address	Bill-to Address	Site Contact Name	Site Contact Phone #	Site Contact Email Address	Location	Long	Lat	Loc Desc
Kanawha	Chelyan Maintenance	Slaughters Creek Rd at Rt 61 Chelyan	WV Parkways, Finance Dept. PO Box 1469 Charleston, WV 25325-1469	Curtis Redden	304.640.0432	credden@wvturnpike.com	Chelyan, I-77 Exit 85	-81.498655	38.194019	Across from Paul White Chevrolet Dealer
		Cabin Creek, WV 25035		Kevin McLaughlin	304.640.8611	kmclaughlin@wvturnpike.com				
Kanawha	Standard Maintenance	6951 Paint Creek Road	WV Parkways, Finance Dept. PO Box 1469 Charleston, WV 25325-1469	Curtis Redden	304.640.0432	credden@wvturnpike.com	Standard, I-77 Exit 74	-81.386304	38.116673	Exit 74, south on state route 83 approximately 1 mile
		Standard, WV 25083		Kevin McLaughlin	304.640.8611	kmclaughlin@wvturnpike.com				
Mercer	Princeton Maintenance	297 Ambrose Lane	WV Parkways, Finance Dept. PO Box 1469 Charleston, WV 25325-1469	Curtis Redden	304.640.0432	credden@wvturnpike.com	Princeton, I-77 exit 9	-81.054155	37.359867	Behind Texas Steakhouse
		Princeton, WV 24740		Kevin McLaughlin	304.640.8611	kmclaughlin@wvturnpike.com				
Raleigh	Beckley Maintenance (seen from Interchange)	201 Pikeview Dr, Exit 44	WV Parkways, Finance Dept. PO Box 1469 Charleston, WV 25325-1469	Curtis Redden	304.640.0432	credden@wvturnpike.com	Beckley, I-77 Exit 44	-81.211852	37.799054	Exit 44, north on Pikeview drive approximately 1/2 mile
		Beckley, WV 25801		Kevin McLaughlin	304.640.8611	kmclaughlin@wvturnpike.com				
Raleigh	Ghent Maintenance (seen from Turnpike)	Odd Road at I-77 WV Tollway Milepost 30, WV 25843	WV Parkways, Finance Dept. PO Box 1469 Charleston, WV 25325-1469	Curtis Redden	304.640.0432	credden@wvturnpike.com	Ghent, I-77 Exit 28	-81.117129	37.615251	Exit 28, east on state route 48 approximately 1/10 mile



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Request for Quote
 Highways

Proc Folder: 916851			Reason for Modification:
Doc Description: SODIUM CHLORIDE - ROADWAY SALT 6621C062			
Proc Type: Central Master Agreement			
Date Issued	Solicitation Closes	Solicitation No	Version
2021-08-03	2021-08-19 13:30	CRFQ 0803 DOT2200000027	1

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code: 106924
 Vendor Name : American Rock Salt Co., LLC
 Address : PO Box 190
 Street : 5520 Rt. 63
 City : Mount Morris
 State : New York Country : United States Zip : 14510
 Principal Contact : Jamie A. McClain
 Vendor Contact Phone: (888) 762-7258 Extension:

FOR INFORMATION CONTACT THE BUYER
 John W Estep
 304-558-2566
 john.w.estep@wv.gov

Vendor Signature X  FEIN# 16-1516458 DATE August 16, 2021

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION**REQUEST FOR QUOTATION:**

On behalf of the West Virginia Division of Highways and the West Virginia Parkways Authority, the West Virginia Purchasing Division is soliciting bids to establish open-end contracts for roadway salt as needed and on a continuing basis, for use in Snow Removal and Ice Control (SRIC) throughout WV, 1) for materials plus delivery by Vendor F.O.B to Agency storage locations per county, and 2) for Agency Pick-up from the Vendor's storage sites. Per the Bid Requirements, Specifications, Terms and Conditions attached to this Solicitation.

INVOICE TO**SHIP TO**

VARIOUS AGENCY
LOCATIONS
AS INDICATED BY ORDER

STATE OF WEST VIRGINIA

VARIOUS LOCATIONS AS
INDICATED BY ORDER

No City WV
US

No City WV
US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	SODIUM CHLORIDE - ROADWAY SALT	0.00000	TON		

Comm Code	Manufacturer	Specification	Model #
46161506			

Extended Description:

SODIUM CHLORIDE - ROADWAY SALT - PER THE ATTACHED PRICING PAGES

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Tech Questions due by 10:00am	2021-08-10

	Document Phase	Document Description	Page
DOT2200000027	Final	SODIUM CHLORIDE - ROADWAY SALT 6621C062	3

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Request for Quote
 Highways

Proc Folder: 916851		Reason for Modification:	
Doc Description: ADDENDUM NO_1 SODIUM CHLORIDE - ROADWAY SALT 6621C062		ADDENDUM NO_1 Vendor questions and responses	
Proc Type: Central Master Agreement			
Date Issued	Solicitation Closes	Solicitation No	Version
2021-08-12	2021-08-19 13:30	CRFQ 0803 DOT2200000027	2

BID RECEIVING LOCATION
BID CLERK DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION 2019 WASHINGTON ST E CHARLESTON WV 25305 US

VENDOR
Vendor Customer Code: 106924 Vendor Name : American Rock Salt Co., LLC Address : PO Box 190 Street : 5520 Rt. 63 City : Mount Morris State : New York Country United States Zip : 14510 Principal Contact : Jamie A. McClain Vendor Contact Phone: (888) 762-7258 Extension:

FOR INFORMATION CONTACT THE BUYER
John W Estep 304-558-2566 john.w.estep@wv.gov

Vendor Signature X 	FEIN# 16-1516458	DATE August 16, 2021
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All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

ADDENDUM NO_1

Addendum No_1 issued to publish and distribute the attached information to the Vendor Community .

REQUEST FOR QUOTATION:

On behalf of the West Virginia Division of Highways and the West Virginia Parkways Authority, the West Virginia Purchasing Division is soliciting bids to establish open-end contracts for roadway salt as needed and on a continuing basis, for use in Snow Removal and Ice Control (SRIC) throughout WV, 1) for materials plus delivery by Vendor F.O.B to Agency storage locations per county, and 2) for Agency Pick-up from the Vendor's storage sites. Per the Bid Requirements, Specifications, Terms and Conditions attached to this Solicitation.

INVOICE TO**SHIP TO**

VARIOUS AGENCY
LOCATIONS
AS INDICATED BY ORDER

STATE OF WEST VIRGINIA

VARIOUS LOCATIONS AS
INDICATED BY ORDER

No City WV
US

No City WV
US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	SODIUM CHLORIDE - ROADWAY SALT	0.00000	TON		

Comm Code	Manufacturer	Specification	Model #
46161506			

Extended Description:

SODIUM CHLORIDE - ROADWAY SALT - PER THE ATTACHED PRICING PAGES

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Tech Questions due by 10:00am	2021-08-10

	Document Phase	Document Description	Page
DOT2200000027	Final	ADDENDUM NO_1 SODIUM CHLORIDE - ROADWAY SALT 6621C062	3

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions



SAFETY DATA SHEET

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS Standards, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Directives

1. PRODUCT IDENTIFICATION

1.1 COMMON NAME:

Rock Salt, Halite, Salt

CHEMICAL NAME:

Sodium Chloride

CHEMICAL FORMULA:

NaCl

CAS#:

7647-14-5

PRODUCT NAMES AS LABELED:

Bulk Ice Control (Product Number BIC)

1.2 PRODUCT USE:

The de-icing of roads, walkways and surfaces

1.3 MANUFACTURER'S NAME:

American Rock Salt Company LLC

ADDRESS:

5520 Route 63, Mount Morris, New York 14510

BUSINESS PHONE:

1-585-243-9510

FAX NUMBER:

1-585-243-4353

WEB SITE:

www.americanrocksalt.com

1.4 EMERGENCY PHONE NUMBER:

EMERGENCY PHONE #:

1-585-243-9544

EMAIL:

SDS@americanrocksalt.com

1.5 PREPARATION INFORMATION:

DATE OF CURRENT REVISION:

August 13, 2018 (Rev 2)

DATE OF LAST REVISION:

June 10, 2015 (Rev 1)

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

Product Description: This product is a white to off-white crystalline solid with no odor.

Health Hazards: Exposure to this product may cause irritation to eyes. Prolonged contact may cause skin irritation. May cause respiratory tract irritation.

Flammability Hazards: This product is a non-flammable solid.

Reactivity Hazards: None known

Environmental Hazards: The Environmental effects of this product have not been investigated. Release of this product is not expected to have significant adverse effects in the aquatic environment.

2.1 CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1200 (OSHA HCS) AND THE EUROPEAN UNION DIRECTIVES:

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 AND the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

Component(s) Contributing to Classification(s)

Sodium Chloride

2.2 LABEL ELEMENTS:

GHS Pictograms:



Signal Word: **WARNING!**

GHS Hazard Classification(s):

Skin Irritant Category 2

Eye Irritant Category 2A

STOT SE Category 3

Hazard Statement(s):

H315: Causes skin irritation

H319: Causes serious eye irritation

H335: May cause respiratory irritation



SAFETY DATA SHEET

Prevention Statement(s):

- P261: Avoid breathing fume/mist/vapors/spray.
- P264: Wash skin after handling.
- P271: Use only outdoors or in a well-ventilated area.
- P280: Wear protective gloves/protective clothing/eye protection.

Response Statement(s):

- P302+P352: IF ON SKIN: Wash with plenty of water.
- P321: Specific treatment (See section 4 of this SDS).
- P332+P313: If skin irritation occurs: Get medical advice/attention.
- P362+P364: Take off contaminated clothing and wash it before reuse.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313: If eye irritation persists: Get medical advice/attention.
- P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312: Call a POISON CENTER/doctor if you feel unwell.

Storage Statement(s):

- P403+P233: Store in a well-ventilated place. Keep container tightly closed.
- P405: Store locked up.

Disposal Statement(s):

- P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 HEALTH HAZARDS OR RISKS FROM EXPOSURE:

SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE: The most significant routes of exposure for this product are by inhalation, skin contact, eye contact or ingestion.

ACUTE:

INHALATION: Inhalation may be irritating to the respiratory tract.

CONTACT WITH SKIN: Repeated or prolonged contact may cause skin irritation.

EYE CONTACT: Contact may irritate the eyes, resulting in redness or watering.

INGESTION: Ingestion of a large quantity may cause gastrointestinal irritation with nausea and vomiting.

CHRONIC: None known

TARGET ORGANS: **Acute:** Eyes, Skin, Respiratory System

Chronic: None Known

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredients:	WT%	CAS#	EINECS #	Index #	GHS Classifications
Sodium Chloride	>99%	7647-14-5	231-598-3	Not Listed	Skin Irritant Cat 2, Eye Irritant Cat 2A, STOT SE Cat 3
YPS (Yellow Prussiate of Soda) Sodium Ferrocyanide	0.0075%	13601-19-9	237-081-9	Not Listed	Eye Irritant Cat 2A
Liquid Calcium Chloride (Anhydrous, 20 – 45% CaCl ₂ Solution)	0.0017%	10043-52-4	233-140-8	017-013-00-2	Eye Irritant Cat 2A
Liquid Calcium Chloride may be present on salt. Added to YPS delivery system during cold months					
Balance of other ingredients is less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

4. FIRST-AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES:

EYE CONTACT: If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists.

SKIN CONTACT: If product contacts skin, wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.

INHALATION: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

INGESTION: If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.



SAFETY DATA SHEET

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known

4.2 SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Exposure to this product may cause irritation to skin and eyes. Inhalation of dust may cause irritation to respiratory system. May be harmful if swallowed with digestive tract irritation and vomiting.

4.3 RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate overexposure.

5. FIRE-FIGHTING MEASURES

5.1 FIRE EXTINGUISHING MATERIALS:

Use fire extinguishing methods below:

Water Spray: Yes Carbon Dioxide: Yes
Foam: Yes Dry Chemical: Yes
Halon: Yes Other: Any "C" Class

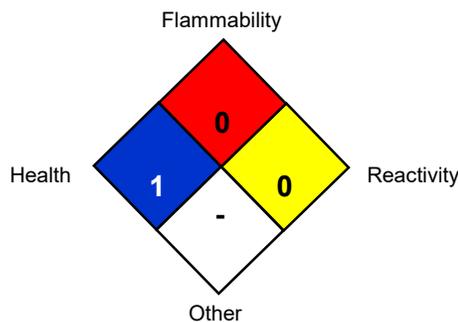
5.2 UNUSUAL FIRE AND EXPLOSION HAZARDS:

None known
Explosion Sensitivity to Mechanical Impact: No
Explosion Sensitivity to Static Discharge: No

5.3 SPECIAL FIRE-FIGHTING PROCEDURES:

Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING SYSTEM



HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
HEALTH HAZARD (BLUE)	1		
FLAMMABILITY HAZARD (RED)	0		
PHYSICAL HAZARD (YELLOW)	0		
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	See Sect 8		See Sect 8
For Routine Industrial Use and Handling Applications			

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

See section 8.2 for Exposure Controls.

6.2 ENVIRONMENTAL PRECAUTIONS:

No specific hazards connected with leaks and splits.

6.3 SPILL AND LEAK RESPONSE:

Sweep up spilled materials and place in appropriate container for disposal or re-use. Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).

7. HANDLING and STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

Establish good personal hygiene and work practices. Always wash hands and face before eating, drinking or smoking.

7.2 STORAGE AND HANDLING PRACTICES:

Store in a dry area with <75% relative humidity to avoid caking.



SAFETY DATA SHEET

7.3 SPECIFIC USES:

De-icing roads and walkways.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

8.1 EXPOSURE PARAMETERS:

Chemical Name	CAS#	ACGIH TLV	OSHA TWA
Sodium Chloride	7647-14-5	10 mg/m ³ Total Dust	15 mg/m ³ Total Dust

8.2 EXPOSURE CONTROLS:

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION: Not normally required when using this product. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

EYE PROTECTION Safety glasses or goggles are recommended to prevent eye contact. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

HAND PROTECTION: Protective gloves are recommended to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

BODY PROTECTION: Use body protect appropriate to task being performed. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

9. PHYSICAL and CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE (Physical State) and COLOR: This product is a white to off-white crystalline solid with no odor.

ODOR: None

ODOR THRESHOLD: Not Applicable

pH: Not Applicable

MELTING/FREEZING POINT: Not Applicable

BOILING POINT: >2575°F

FLASH POINT: Not Applicable

EVAPORATION RATE (n-BuAc=1): Not Available

FLAMMABILITY (SOLID, GAS): Not Applicable

UPPER/LOWER FLAMMABILITY OR EXPLOSION LIMITS: Not Applicable

VAPOR PRESSURE (mm Hg @ 20°C (68°F): 2.4 mm @ 1376°F

VAPOR DENSITY: Not Applicable

RELATIVE DENSITY: Not Applicable

DENSITY: Not Applicable

SPECIFIC GRAVITY: 2.165

SOLUBILITY IN WATER: 317 g/l @ 60°F

WEIGHT PER GALLON: Not Available

PARTITION COEFFICIENT (n-octanol/water): Not Applicable

AUTO-IGNITION TEMPERATURE: Not Applicable

DECOMPOSITION TEMPERATURE: Not Available

VISCOSITY: Not Available

VOC g/l / Lb/gal: 0

9.2 OTHER INFORMATION:

No additional information available.



SAFETY DATA SHEET

10. STABILITY and REACTIVITY

10.1 REACTIVITY:

This product is not reactive.

10.2 STABILITY:

Stable under conditions of normal storage and use.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS:

Chemical reactions occur when this product is involved with strong acids such as sulfuric or nitric acid.

10.4 CONDITIONS TO AVOID:

Incompatible materials.

10.5 MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:

Strong acids.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition products include hydrochloric acid.

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

TOXICITY DATA:

CAS#: 7647-14-5

Oral, rat: LD50 = 3,000 mg/kg;

SUSPECTED CANCER AGENT: None of the ingredients within this product are found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, or suspected to be, cancer-causing agents by these agencies.

IRRITANCY OF PRODUCT: This product may be irritating to skin, eyes or respiratory system.

SENSITIZATION TO THE PRODUCT: This product is not considered a respiratory system or skin sensitizer.

REPRODUCTIVE TOXICITY INFORMATION: No information concerning the effects of this product and its components on the human reproductive system.

SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE: Eyes, Respiratory System and Skin

SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE: None known

ASPIRATION HAZARD: None

12. ECOLOGICAL INFORMATION

12.1 TOXICITY:

This material is water soluble and occurs naturally, and is unlikely to have any long term effect on the environment. However, large or frequent applications or spills can have a potentially damaging effect on the environment.

12.2 PERSISTENCE AND DEGRADABILITY:

This material is not organic and therefore does not undergo biodegradation.

12.3 BIOACCUMULATIVE POTENTIAL:

Based on available information, the sodium chloride present may bioaccumulate in some aquatic organisms.

12.4 MOBILITY IN SOIL:

This material is water soluble and is expected to move rapidly with surface water or ground water flows.

12.5 RESULTS OF PBT AND vPvB ASSESSMENT:

No specific data available on this product.

12.6 OTHER ADVERSE EFFECTS:

No specific data available on this product.

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

12.7 WATER ENDANGERMENT CLASS:

Water endangering in accordance with EU Guideline 91/155-EWG. Not determined

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS:

Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.



SAFETY DATA SHEET

13.2 EU Waste Code:

Not determined.

14. TRANSPORTATION INFORMATION

US DOT, IATA, IMO, ADR:

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS: This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

14.1 PROPER SHIPPING NAME: Non-Regulated Material

14.2 HAZARD CLASS NUMBER and DESCRIPTION: None

14.3 UN IDENTIFICATION NUMBER: None

14.4 PACKING GROUP: None

14.5 DOT LABEL(S) REQUIRED: None

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER: None

RQ QUANTITY: None

14.6 MARINE POLLUTANT: None of the components of this product are designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

14.7 SPECIAL PRECAUTIONS FOR USER:

Avoid exposure

14.8 INTERNATIONAL TRANSPORTION:

INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA): This product is not considered as dangerous goods.

INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO): This product is not considered as dangerous goods.

14.9 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND IBC CODE:

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR): This product is not considered by the United Nations Economic Commission for Europe to be dangerous goods.

15. REGULATORY INFORMATION

15.1 UNITED STATES REGULATIONS:

U.S. SARA REPORTING REQUIREMENTS: The components of this product are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): None

U.S. TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory or are exempted from listing.

OTHER U.S. FEDERAL REGULATIONS: None

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): Ingredients within this product are not on the Proposition 65 Lists.

15.2 CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: All components are DSL Listed, NDSL Listed and/or are exempt from listing.

OTHER CANADIAN REGULATIONS: Not applicable.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: This product has been classified per WHMIS 2015.

15.3 EUROPEAN ECONOMIC COMMUNITY INFORMATION:

This product does meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

See Section 2 for full Details.

15.4 AUSTRALIAN INFORMATION FOR PRODUCT:

The components of this product are listed on the International Chemical Inventory list.



SAFETY DATA SHEET

15.5 JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:

The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

JAPANESE ENCS INVENTORY:

The components of this product are on the ENCS Inventory as indicated in the section on International Chemical Inventories, below.

POISONOUS AND DELETERIOUS SUBSTANCES CONTROL LAW:

No component of this product is a listed Specified Poisonous Substance under the Poisonous and Deleterious Substances Control Law.

15.6 INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac: Listed

Australian Inventory of Chemical Substances (AICS): Listed

Korean Existing Chemicals List (ECL): Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed

Swiss Giftlist List of Toxic Substances: Listed

U.S. TSCA: Listed

16. OTHER INFORMATION

16.1 ABBREVIATIONS AND ACRONYMS:

ARD: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

PREPARED BY: Chris Eigbrett (**MSDS to GHS Compliance**)

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This information is not intended as a license to operate under, or a recommendation to practice or infringe upon any patent of the company or others covering any process, composition of matter or use.

END OF SDS SHEET



YELLOW PRUSSATE OF SODA

American Rock salt is treated with Yellow Prussiate of Soda for anti-caking requirements.

1. DESCRIPTION

The Chemical name for this additive is Sodium Ferrocyanide, a non-toxic food grade additive. The application is in liquid form at a ratio of 75 PPM.

2. SOLUBILITY

Yellow Prussiate of Soda is 100% soluble in water.

3. PHOTODECOMPOSTION

Yellow Prussiate of Soda in the outer crust of untarped or uncovered salt will decompose in ultra violet light or sunlight although this reaction is a slow process.

4. YPS is dissolved in water and applied as a spray to the salt on the conveyor system before being loaded into trucks, rail cars or stored in stockpiles.

Primary analytical method

1. PRINCIPLE

Sodium Ferrocyanide (YPS) is converted to Ferric Ferrocyanide (Prussian Blue) in the presence of Ferrous Sulfate and read on a spectrophotometer at 725nm. Free Sodium Ferrocyanide (YPS) is readily converted to Prussian Blue and directly read on the spectrophotometer. However, under certain conditions, YPS may be converted to an insoluble form of Ferrocyanide which will not be detected by the free YPS method. In this case, to accurately determine the YPS concentration, an alkaline digestion is used, and the YPS is reported as Total YPS.

2. ESSENTIAL INSTRUMENTATION and REAGENTS

Spectrophotometer capable of measurement at 725nm, measuring cells conforming to instrument sample holder, ½ to 2 inches in width.

Sodium Ferrocyanide decahydrate – $\text{Na}_4\text{Fe}(\text{CN})_6 \cdot 10\text{H}_2\text{O}$
Ferrous Sulfate (5% solution prepared daily) – $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$
Sulfuric Acid concentrated – H_2SO_4
2% Sodium Hydroxide (wt/wt) NaOH
1:4 Hydrochloric Acid – HCl

3. PROCEDURE

- Standard Curve Preparation – A 1000 ppm stock standard can be prepared using 1.5927 g Sodium Ferrocyanide decahydrate dissolved in distilled water and diluted to 1 liter. Prepare a 10 ppm working standard from this stock solution. Transfer the appropriate aliquot of the working standard to each of ten numbered 100 ml. volumetric flasks as indicated in the following table.

Flask #	mls of working solution to add	Equivalent Micrograms Anhydrous YPS per ml.
1	0 (Blank)	0.0
2	2	0.2
3	3	0.3
4	5	0.5
5	8	0.8
6	10	1.0
7	15	1.5
8	20	2.0
9	30	3.0
10	40	4.0

- Add 5 ml. of 5% Ferrous Sulfate solution to each flask. Dilute to volume with brine solution prepared using YPS-free salt (see Reagent Preparation). Stopper, mix well and allow 15 minutes for color development. Immediately thereafter, zero the spectrophotometer with the blank and record the absorbances for the remaining concentration levels. Plot a standard curve of absorbance vs. concentration. Using linear regression, determine the correlation coefficient and the slope of the curve.
- A method blank, prepared using the following procedure, is required for each of the following YPS methods. Prepare the blank by dissolving 25 g of YPS free salt in 80 ml. of distilled water. The solution should be clear. However, if turbidity persists, filter the solution through two Gelman type “E” glass fiber filters. Add 5 ml. of 5% Ferrous Sulfate solution to the blank and dilute to volume with distilled water. Stopper, mix well and allow 15 minutes for color development. Immediately, zero spectrophotometer with the method blank and run a check standard to determine the validity of the calibration curve.

4. FREE YPS (ROCK SALT)

Weigh approximately 150 g of salt to the nearest hundredth of a gram and transfer the salt to a 1500 ml. beaker. Add 750 ml. distilled water and stir until the salt dissolves. Filter through two Gelman Type “E” glass fiber filters. The solution should be clear, however if turbidity persists filter the solution through a finer pore filter. Dilute the solution to 1 liter using distilled water and mix well. Add 5 ml. of 5% Ferrous Sulfate solution to a 100 ml. volumetric flask and add 5 ml. sample aliquots until a blue color appears. Record the ml. added and dilute to volume with distilled water. Stopper, mix well and allow 15 minutes for color development. Read the sample immediately and record the absorbance. Using the sample absorbance, the slope of the standard curve and the dilutions used to prepare the sample the concentration of YPS in the salt can be determined (refer to sample calculations).

5. TOTAL YPS (ROCK SALT)

Weigh approximately 150 g of salt to the nearest hundredth of a gram and transfer the salt to a 1500 ml. beaker. Add sufficient 2% Sodium Hydroxide to cover the salt and stir for 10 minutes. Then add 700 ml. distilled water and stir until the salt dissolves. Filter the solutions through two Gelman Type “E” glass fiber filters. The solution should be clear, however, if turbidity persists filter the solution through a finer pore filter. In a fume hood, adjust the pH of the solution to between 7.0 – 9.0 with 1:4 hydrochloric acid. Quantitatively transfer the solution to a liter volumetric flask, dilute to volume with distilled water and mix well. Add 5 ml. of 5% Ferrous Sulfate solution to a 100 ml. volumetric flask and add 5 ml. sample aliquots

until a blue color appears. Record the ml. added and dilute to volume with distilled water. Stopper, mix well and allow 15 minutes for color development. Read the sample immediately and record the absorbance. Using the sample absorbance, the slope of the standard curve and the dilutions used to prepare the sample the concentration of YPS in the salt can be determined (refer to sample calculations).

Total YPS – Free YPS = YPS converted to Prussian Blue (Bound).

6. SAMPLE CALCULATION

Total YPS

Sample Size	150.00 g
ml. aliquot to blue	25
Slope of the standard curve	0.1500
Sample Absorbance	0.035

Divide the sample absorbance by the slope to determine gamma, which represents the micrograms (ug) of YPS per ml. of solution in the flask. Divide gamma by the total dilution factor (D.F.) as calculated below, to determine the concentration in parts per million (ppm) of YPS in the salt.

$$\begin{aligned} \text{Tot D.F.} &= (150.00 \text{ g}/1000 \text{ ml.}) \times (25 \text{ ml.}/100 \text{ ml.}) \\ &= (.150) \quad \times \quad (.25) \\ &= 0.0375 \text{ g/ml.} \end{aligned}$$

Abs.	Ug/ml	D.F.	Ppm YPS
0.035	0.2333	0.0375	6.2

Step 1 $(0.035) / (0.1500) = 0.2333 \text{ ug/ml (gamma)}$

Step 2 $(0.2333 \text{ ug/ml}) / (0.0375 \text{ g/ml}) = 6.2 \text{ ug YPS/g salt (ppm)}$

Alternately, the concentration of the sample may be derived directly from the graph of the standard curve by taking the concentration corresponding to the sample absorbance and then dividing this value by the dilution factor (D.F.) to obtain the concentration of YPS in the salt.

7. REAGENT PREPARATION

Brine solution for standard curve – Dissolve 250 g of YPS-free salt in 800 ml. of distilled; deionized water. If the solution appears cloudy, filter the brine through a glass fiber filter, then dilute to 1 liter.

Ferrous Sulfate Solution – 5% (wt/wt) – (solution should be prepared fresh daily) – In a 100 ml. volumetric flask, dissolve 5 g Ferrous Sulfate in 80 ml. distilled water. In a fume hood, add 2 ml. concentrated sulfuric acid and dilute to volume.

Sodium Hydroxide – 2% (wt/wt) – in a 1 liter volumetric flask, dissolve 20 g sodium hydroxide in 800 ml. distilled water, then dilute to volume.

1:4 Hydrochloric Acid – In a fume hood, carefully add 25 ml. of concentrated hydrochloric acid to 75 ml. of distilled, deionized water. Mix well.

Safety Data Sheet

Date of Revision: 11/27/2017

Sodium Ferrocyanide

Section 1 - Chemical Product and Company Identification

WEGO CHEMICAL GROUP
239 Great Neck Road - Great Neck, NY 11021 - USA
Tel: +1 (516) 487 3510 - Fax: +1 (516) 487 3794
sales@wegochem.com - wegochem.com

Product/Chemical Name: Sodium Ferrocyanide

Chemical Formula: $\text{Na}_4\text{Fe}(\text{CN})_6 \cdot 10\text{H}_2\text{O}$

CAS Number: 14434-22-1

Other Designations: Sodium Ferrocyanide decahydrate; sodium hexacyanoferrate; YPS

Derivation:

General Use: Manufacture of sodium ferricyanide, blue pigments, blueprint paper, anti-caking agent for salt, ore flotation, pickling metals, polymerization catalyst, photographic fixing agent.

Emergency Telephone: (ChemTel) Contract MIS0000335; 800 255-3924; INTL 813 248-0585

Section 2 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

MAY CAUSE EYE AND SKIN IRRITATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING. MAY BE HARMFUL IF SWALLOWED.

HMIS	
H	2
F	0
R	0
PPE†	
†Sec. 8	

Potential Health Effects

Primary Entry Routes: Inhalation, Ingestion

Target Organs: None listed

HAZARDS IDENTIFICATION

Label elements

None

Hazard symbol

None

Signal word

None

Hazard statement

The mixture does not meet the criteria for classification.

Precautionary statement

Prevention

Observe good industrial hygiene practices.

Response

Wash hands after handling.

Storage

Store away from incompatible materials.

Disposal

Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None

Acute Effects

Inhalation: May cause respiratory tract irritation. May cause anoxia, characterized by weakness, headache, dizziness, confusion, cyanosis, weak and irregular heartbeat, collapse, unconsciousness, convulsions, coma and death.

Eye: May cause mild eye irritation.

Skin: May cause skin irritation.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Carcinogenicity: IARC, NTP, and OSHA do not list sodium ferrocyanide as a carcinogen.

Medical Conditions Aggravated by Long-Term Exposure:

Chronic Effects: unknown

Sodium Ferrocyanide

Section 3 - Composition / Information on Ingredients

Ingredient Name	CAS Number	EINECS/ELINCS	% wt or % vol
Sodium Ferrocyanide	14434-22-1	237-081-9	100

Limit values: No limit values have been established for this product for use in the USA and Canada.

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Sodium Ferrocyanide	none estab.						

Section 4 - First Aid Measures

Inhalation: Supply fresh air. If required, provide artificial respiration.

Eye Contact: Rinse opened eye for several minutes under running water. Then consult a doctor if irritation persists.

Skin Contact: Immediately wash with water and soap and rinse thoroughly. Seek medical advice if irritation persists.

Ingestion: If material is swallowed, induce vomiting if patient is conscious. Never give anything by mouth to an unconscious person. Seek medical advice.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Note to Physicians: Treat symptomatically and supportively.

Section 5 - Fire-Fighting Measures

Flash Point: not applicable

Flash Point Method:

Burning Rate:

Auto-ignition Temperature: not determined

LEL: not determined

UEL: not determined

Flammability Classification: Product is not flammable.

Extinguishing Media: Product is not flammable. Use firefighting measures that suit the surrounding fire.

Unusual Fire or Explosion Hazards: none

Hazardous Combustion Products:

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face-piece operated in pressure-demand or positive-pressure mode.

NFPA



Section 6 - Accidental Release Measures

Spill /Leak Procedures: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Avoid raising dust. Eliminate flammables. Eliminate all ignition sources. Dispose contaminated material as waste according to official regulations.

Large Spills

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Cleanup: Water, if necessary with cleansing agents.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 7 - Handling and Storage

Handling Precautions: Keep container tightly sealed.

Storage Requirements: Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Sodium Ferrocyanide

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA.

Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Physical and Chemical Properties

Physical State: solid

Appearance and Odor: yellow semi-transparent crystals/odorless

Odor Threshold: not determined

Vapor Pressure: N/A

Vapor Density (Air=1):

Formula Weight: 484.06

Density/Specific Gravity (H₂O=1, at 4 °C): 1.458

pH: N/A

Flash Point: not applicable

Flash Point Method:

Burning Rate: not determined

Auto-ignition Temperature: not determined

Water Solubility: 318.5 g/l @ 20 °C

Other Solubilities: not determined

Boiling Point: N/A

Freezing/Melting Point: N/A

Decomposition Point: 815 °F (435 °C)

Viscosity: not determined

Refractive Index: not determined

Surface Tension: not determined

% Volatile: N/A

Evaporation Rate: N/A

LEL: not determined

UEL: not determined

Section 10 - Stability and Reactivity

Stability: Sodium Ferrocyanide is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: Oxidizing agents, ammonia, chromic acid and strong acids.

Conditions to Avoid: incompatibilities. ACIDS: Evolution of highly toxic and flammable hydrogen cyanide gas. OXIDIZERS (STRONG): Fire and explosion hazard.

Hazardous Decomposition Products: Thermal oxidative decomposition of Sodium Ferrocyanide can produce oxides of nitrogen, carbon monoxide, carbon dioxide and hydrogen cyanide.

Section 11- Toxicological Information

SODIUM FERROCYANIDE:

ADDITIONAL DATA: Because of the strong chemical bond between the cyanide group and the iron, ferrocyanides do not release cyanide under normal conditions. However, certain industrial processes may release hydrogen cyanide which is a chemical asphyxiant.

Toxicity

Oral (rat) LD₅₀: 5100 mg/kg

HEALTH EFFECTS:

INHALATION:

ACUTE EXPOSURE: SODIUM FERROCYANIDE: May cause irritation to the respiratory tract. Ferrocyanides have a low order of toxicity. However, certain industrial processes may release hydrogen cyanide which is a chemical asphyxiant.

CHRONIC EXPOSURE: SODIUM FERROCYANIDE: No data available.

SKIN CONTACT:

ACUTE EXPOSURE:

Sodium Ferrocyanide

SODIUM FERROCYANIDE: May cause irritation.

CHRONIC EXPOSURE:

SODIUM FERROCYANIDE: No specific data available. No dermatitis was reported in workers handling potassium ferrocyanide over a number of years.

EYE CONTACT:

ACUTE EXPOSURE:

SODIUM FERROCYANIDE: Dust may cause irritation.

CHRONIC EXPOSURE:

SODIUM FERROCYANIDE: No data available.

INGESTION:

ACUTE EXPOSURE: SODIUM FERROCYANIDE: The reported probable lethal dose in humans is 0.5-5.0 gm/kg. Ferrocyanide salts are rapidly excreted in urine without metabolic alteration.

CHRONIC EXPOSURE: SODIUM FERROCYANIDE: No data available.

* See NIOSH, *RTECS*, for additional toxicity data.

Section 12 - Ecological Information

Ecotoxicity: data not available.

Environmental Fate: data not available.

Environmental Degradation: data not available.

Soil Absorption/Mobility: data not available.

Section 13 - Disposal Considerations

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

Disposal Regulatory Requirements:

Section 14 - Transport Information

Not regulated for transportation

US DOT(49 CFR 172.101):

PSN:
Hazard Class:
UN Number:
Packing Group:

IATA

PSN:
Hazard Class:
UN Number:
Packing Group:

IDG

PSN:
Hazard Class:
UN Number:
Packing Group:

IMDG/IMO

PSN:
Hazard Class:
UN Number:
Packing Group:

Section 15 - Regulatory Information

U.S. REGULATIONS:

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4): Not regulated.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):
Not regulated.

SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40):
Not regulated.

SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):

ACUTE: No

CHRONIC: No

FIRE: No

REACTIVE: No

SUDDEN RELEASE: No

Sodium Ferrocyanide

SARA TITLE III SECTION 313 (40 CFR 372.65): Not regulated.

OSHA PROCESS SAFETY (29CFR1910.119): Not regulated.

STATE REGULATIONS:

California Proposition 65: Not regulated.

CANADIAN REGULATIONS:

WHMIS CLASSIFICATION: D2B. Material causing toxic effects (TOXIC): No products were found.

NATIONAL INVENTORY STATUS:

U.S. INVENTORY (TSCA): Listed on inventory.

TSCA 12(b) EXPORT NOTIFICATION: Not listed.

Section 16 - Other Information

Disclaimer: All information, recommendations and suggestions appearing herein are based upon sources believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for its own use of this product. WEGO CHEMICAL GROUP DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE USE BY OTHERS OF THIS PRODUCT.



Coverage Extension Endorsement – New York



Policy No.	Eff. Date of Pol.	Exp. Date of Pol.	Eff. Date of End.	Producer No.	Add'l. Prem	Return Prem.
BAP 0187209-05	10/30/2020	10/30/2021		18803000	INCL	

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This endorsement modifies insurance provided under the:

Business Auto Coverage Form
Motor Carrier Coverage Form

A. Amended Who Is An Insured

1. The following is added to the **Who Is An Insured** Provision in **Section II – Covered Autos Liability Coverage**:

The following are also "insureds":

- a. Any "employee" of yours is an "insured" while using a covered "auto" you don't own, hire or borrow for acts performed within the scope of employment by you. Any "employee" of yours is also an "insured" while operating an "auto" hired or rented under a contract or agreement in an "employee's" name, with your permission, while performing duties related to the conduct of your business.
- b. Anyone volunteering services to you is an "insured" while using a covered "auto" you don't own, hire or borrow to transport your clients or other persons in activities necessary to your business.
- c. Anyone else who furnishes an "auto" referenced in Paragraphs **A.1.a.** and **A.1.b.** in this endorsement.
- d. Where and to the extent permitted by law, any person(s) or organization(s) where required by written contract or written agreement with you executed prior to any "accident", including those person(s) or organization(s) directing your work pursuant to such written contract or written agreement with you, provided the "accident" arises out of operations governed by such contract or agreement and only up to the Limits of Insurance shown in the Declarations.

2. The following is added to the **Other Insurance** Condition in the Business Auto Coverage Form and the **Other Insurance – Primary and Excess Insurance Provisions Condition** in the Motor Carrier Coverage Form:

Coverage for any person(s) or organization(s), where required by written contract or written agreement with you executed prior to any "accident", will apply on a primary and non-contributory basis and any insurance maintained by the additional "insured" will apply on an excess basis. However, in no event will this coverage extend beyond the terms and conditions of the Coverage Form.

B. Amendment – Supplementary Payments

Paragraphs **a.(2)** and **a.(4)** of the **Coverage Extensions** Provision in **Section II – Covered Autos Liability Coverage** are replaced by the following:

- (2) Up to \$5,000 for the cost of bail bonds (including bonds for related traffic law violations) required because of an "accident" we cover. We do not have to furnish these bonds.
- (4) All reasonable expenses incurred by the "insured" at our request, including actual loss of earnings up to \$500 a day because of time off from work.

C. Fellow Employee Coverage

The **Fellow Employee** Exclusion contained in **Section II – Covered Autos Liability Coverage** does not apply.

D. Driver Safety Program Liability and Physical Damage Coverage

(1) The following is added to Paragraph **2. Coverage Extensions** of **Section II – Liability** of the Business Auto Coverage Form and Paragraph **2. Coverage Extensions** of **Section II – Covered Autos Liability Coverage** of the Motor Carrier Coverage Form:

We will pay for covered "autos" while participating in a driver safety program event, such as, but not limited to, auto or truck rodeos and other auto or truck agility demonstrations.

(2) The following is added to Paragraph **2.** in the **Exclusions** of **Section III – Physical Damage Coverage** of the Business Auto Coverage Form and Paragraph **2.b.** in the **Exclusions** of **Section IV – Physical Damage Coverage** of the Motor Carrier Coverage Form:

This exclusion does not apply to covered "autos" participating in a driver safety program event, such as, but not limited to, auto or truck rodeos and other auto or truck agility demonstrations.

E. Towing and Labor

Paragraph **A.2.** of the **Physical Damage Coverage** Section is replaced by the following:

We will pay up to \$75 for towing and labor costs incurred each time a covered "auto" of the private passenger type is disabled. However, the labor must be performed at the place of disablement.

F. Extended Glass Coverage

The following is added to Paragraph **A.3.a.** of the **Physical Damage Coverage** Section:

If glass must be replaced, the deductible shown in the Declarations will apply. However, if glass can be repaired and is actually repaired rather than replaced, the deductible will be waived. You have the option of having the glass repaired rather than replaced.

G. Hired Auto Physical Damage – Increased Loss of Use Expenses

The **Coverage Extension** for **Loss Of Use Expenses** in the **Physical Damage Coverage** Section is replaced by the following:

Loss Of Use Expenses

For Hired Auto Physical Damage, we will pay expenses for which an "insured" becomes legally responsible to pay for loss of use of a vehicle rented or hired without a driver under a written rental contract or written rental agreement. We will pay for loss of use expenses if caused by:

- (1) Other than collision only if the Declarations indicate that Comprehensive Coverage is provided for any covered "auto";
- (2) Specified Causes Of Loss only if the Declarations indicate that Specified Causes Of Loss Coverage is provided for any covered "auto"; or
- (3) Collision only if the Declarations indicate that Collision Coverage is provided for any covered "auto".

However, the most we will pay for any expenses for loss of use is \$100 per day, to a maximum of \$3,000.

H. Personal Effects Coverage

The following is added to the **Coverage** Provision of the **Physical Damage Coverage** Section:

Personal Effects Coverage

a. We will pay up to \$750 for "loss" to personal effects which are:

- (1) Personal property owned by an "insured"; and
- (2) In or on a covered "auto".

b. Subject to Paragraph **a.**, the amount to be paid for "loss" to personal effects will be based on the lesser of:

- (1) The reasonable cost to replace; or
 - (2) The actual cash value.
- c. The coverage provided in Paragraphs **a.** and **b.** above, only applies in the event of a total theft of a covered "auto". No deductible applies to this coverage. However, we will not pay for "loss" to personal effects of any of the following:
- (1) Accounts, bills, currency, deeds, evidence of debt, money, notes, securities, or commercial paper or other documents of value.
 - (2) Bullion, gold, silver, platinum, or other precious alloys or metals; furs or fur garments; jewelry, watches, precious or semi-precious stones.
 - (3) Paintings, statuary and other works of art.
 - (4) Contraband or property in the course of illegal transportation or trade.
 - (5) Tapes, records, discs or other similar devices used with audio, visual or data electronic equipment.

Any coverage provided by this Provision is excess over any other insurance coverage available for the same "loss".

I. Tapes, Records and Discs Coverage

1. The Exclusion in Paragraph **B.4.a.** of **Section III – Physical Damage Coverage** in the Business Auto Coverage Form and the Exclusion in Paragraph **B.2.c.** of **Section IV – Physical Damage Coverage** in the Motor Carrier Coverage Form does not apply.
2. The following is added to Paragraph **1.a. Comprehensive Coverage** under the **Coverage** Provision of the **Physical Damage Coverage** Section:

We will pay for "loss" to tapes, records, discs or other similar devices used with audio, visual or data electronic equipment. We will pay only if the tapes, records, discs or other similar audio, visual or data electronic devices:

- (a) Are the property of an "insured"; and
- (b) Are in a covered "auto" at the time of "loss".

The most we will pay for such "loss" to tapes, records, discs or other similar devices is \$500. The **Physical Damage Coverage Deductible** Provision does not apply to such "loss".

J. Airbag Coverage

The Exclusion in Paragraph **B.3.a.** of **Section III – Physical Damage Coverage** in the Business Auto Coverage Form and the Exclusion in Paragraph **B.4.a.** of **Section IV – Physical Damage Coverage** in the Motor Carrier Coverage Form does not apply to the accidental discharge of an airbag.

K. Two or More Deductibles

The following is added to the **Deductible** Provision of the **Physical Damage Coverage** Section:

If an accident is covered both by this policy or Coverage Form and by another Auto Policy or Coverage Form issued to you by us, the following applies for each covered "auto" on a per vehicle basis:

1. If the deductible on this policy or Coverage Form is the smaller (or smallest) deductible, it will be waived; or
2. If the deductible on this policy or Coverage Form is not the smaller (or smallest) deductible, it will be reduced by the amount of the smaller (or smallest) deductible.

The final deductible will always be in compliance with Section 3411(k) of New York Insurance Law.

L. Physical Damage – Comprehensive Coverage – Deductible

The following is added to the **Deductible** Provision of the **Physical Damage Coverage** Section:

Regardless of the number of covered "autos" damaged or stolen, the maximum deductible that will be applied to Comprehensive Coverage for all "loss" from any one cause is \$5,000 or the deductible shown in the Declarations, whichever is greater.

M. Temporary Substitute Autos – Physical Damage

1. The following is added to **Section I – Covered Autos**:

Temporary Substitute Autos – Physical Damage

If Physical Damage Coverage is provided by this Coverage Form on your owned covered "autos", the following types of vehicles are also covered "autos" for Physical Damage Coverage:

Any "auto" you do not own when used with the permission of its owner as a temporary substitute for a covered "auto" you do own but is out of service because of its:

1. Breakdown;
 2. Repair;
 3. Servicing;
 4. "Loss"; or
 5. Destruction.
2. The following is added to the Paragraph **A. Coverage** Provision of the **Physical Damage Coverage** Section:

Temporary Substitute Autos – Physical Damage

We will pay the owner for "loss" to the temporary substitute "auto" unless the "loss" results from fraudulent acts or omissions on your part. If we make any payment to the owner, we will obtain the owner's rights against any other party.

The deductible for the temporary substitute "auto" will be the same as the deductible for the covered "auto" it replaces.

N. Amended Duties In The Event Of Accident, Claim, Suit Or Loss

Paragraph **a.** of the **Duties In The Event Of Accident, Claim, Suit Or Loss** Condition is replaced by the following:

- a. In the event of "accident", claim, "suit" or "loss", you must give us or our authorized representative prompt notice of the "accident", claim, "suit" or "loss". However, these duties only apply when the "accident", claim, "suit" or "loss" is known to you (if you are an individual), a partner (if you are a partnership), a member (if you are a limited liability company) or an executive officer or insurance manager (if you are a corporation). The failure of any agent, servant or employee of the "insured" to notify us of any "accident", claim, "suit" or "loss" shall not invalidate the insurance afforded by this policy.

Include, as soon as practicable:

- (1) How, when and where the "accident" or "loss" occurred, and if a claim is made or "suit" is brought, written notice of the claim or "suit" including, but not limited to, the date and details of such claim or "suit";
 - (2) The "insured's" name and address; and
 - (3) To the extent possible, the names and addresses of any injured persons and witnesses.

If you report an "accident", claim, "suit" or "loss" to another insurer when you should have reported to us, your failure to report to us will not be seen as a violation of these amended duties provided you give us notice as soon as practicable after the fact of the delay becomes known to you.

O. Waiver of Transfer Of Rights Of Recovery Against Others To Us

The following is added to the **Transfer Of Rights Of Recovery Against Others To Us** Condition:

This Condition does not apply to the extent required of you by a written contract, executed prior to any "accident" or "loss", provided that the "accident" or "loss" arises out of operations contemplated by such contract. This waiver only applies to the person or organization designated in the contract.

P. Employee Hired Autos – Physical Damage

Paragraph **b.** of the **Other Insurance** Condition in the Business Auto Coverage Form and Paragraph **f.** of the **Other Insurance – Primary and Excess Insurance Provisions** Condition in the Motor Carrier Coverage Form are replaced by the following:

For Hired Auto Physical Damage Coverage, the following are deemed to be covered "autos" you own:

- (1) Any covered "auto" you lease, hire, rent or borrow; and
- (2) Any covered "auto" hired or rented under a written contract or written agreement entered into by an "employee" or elected or appointed official with your permission while being operated within the course and scope of that "employee's" employment by you or that elected or appointed official's duties as respect their obligations to you.

However, any "auto" that is leased, hired, rented or borrowed with a driver is not a covered "auto".

Q. Unintentional Failure to Disclose Hazards

The following is added to the **Concealment, Misrepresentation Or Fraud** Condition:

However, we will not deny coverage under this Coverage Form if you unintentionally:

- (1) Fail to disclose any hazards existing at the inception date of this Coverage Form; or
- (2) Make an error, omission, improper description of "autos" or other misstatement of information.

You must notify us as soon as possible after the discovery of any hazards or any other information that was not provided to us prior to the acceptance of this policy.

R. Hired Auto – World Wide Coverage

Paragraph **7a.(5)** of the **Policy Period, Coverage Territory** Condition is replaced by the following:

- (5) Anywhere in the world if a covered "auto" is leased, hired, rented or borrowed for a period of 60 days or less,

S. Bodily Injury Redefined

The definition of "bodily injury" in the **Definitions** Section is replaced by the following:

"Bodily injury" means bodily injury, sickness or disease, sustained by a person including death or mental anguish, resulting from any of these at any time. Mental anguish means any type of mental or emotional illness or disease.

T. Expected Or Intended Injury

The **Expected Or Intended Injury** Exclusion in Paragraph **B. Exclusions** under **Section II – Covered Auto Liability Coverage** is replaced by the following:

1. Expected Or Intended Injury

"Bodily injury" or "property damage" expected or intended from the standpoint of the "insured". This exclusion does not apply to "bodily injury" or "property damage" resulting from the use of reasonable force to protect persons or property.

U. Physical Damage – Additional Temporary Transportation Expense Coverage

Paragraph **A.4.a.** of **Section III – Physical Damage Coverage** is replaced by the following:

4. Coverage Extensions

a. Transportation Expenses

We will pay up to \$50 per day to a maximum of \$1,000 for temporary transportation expense incurred by you because of the total theft of a covered "auto" of the private passenger type. We will pay only for those covered "autos" for which you carry either Comprehensive or Specified Causes of Loss Coverage. We will pay for temporary transportation expenses incurred during the period beginning 48 hours after the theft and ending, regardless of the policy's expiration, when the covered "auto" is returned to use or we pay for its "loss".

V. Replacement of a Private Passenger Auto with a Hybrid or Alternative Fuel Source Auto

The following is added to Paragraph **A. Coverage** of the **Physical Damage Coverage** Section:

In the event of a total "loss" to a covered "auto" of the private passenger type that is replaced with a hybrid "auto" or "auto" powered by an alternative fuel source of the private passenger type, we will pay an additional 10% of the cost of the replacement "auto", excluding tax, title, license, other fees and any aftermarket vehicle upgrades, up to a maximum of \$2,500. The covered "auto" must be replaced by a hybrid "auto" or an "auto" powered by an alternative fuel source within 60 calendar days of the payment of the "loss" and evidenced by a bill of sale or new vehicle lease agreement.

To qualify as a hybrid "auto", the "auto" must be powered by a conventional gasoline engine and another source of propulsion power. The other source of propulsion power must be electric, hydrogen, propane, solar or natural gas, either compressed or liquefied. To qualify as an "auto" powered by an alternative fuel source, the "auto" must be powered by a source of propulsion power other than a conventional gasoline engine. An "auto" solely propelled by biofuel, gasoline or diesel fuel or any blend thereof is not an "auto" powered by an alternative fuel source.

W. Return of Stolen Automobile

The following is added to the **Coverage Extension** Provision of the **Physical Damage Coverage** Section:

If a private passenger "auto" insured under this Coverage Part for physical damage coverage is stolen or abandoned, we or our authorized representative shall, when notified of the location of the "auto", have the right to take custody of the "auto" for safekeeping. If a covered "auto" is stolen and recovered, we will pay the cost of transport to return the "auto" to you. We will pay only for those covered "autos" for which you carry either Comprehensive or Specified Causes of Loss Coverage.

All other terms, conditions, provisions and exclusions of this policy remain the same.