

# **Asphalt Emulsion Receiving Guide**

March 2012

North Carolina Department of Transportation  
Materials and Tests Unit

## **1. Scope**

- 1.1 The purpose of the NCDOT Asphalt Emulsion Receiving Guide is to aid field personnel on what to look for with shipments of Asphalt Emulsion.

## **2. Asphalt Emulsion QC/QA Program Background**

- 2.1 The NC DOT Materials and Tests Unit is required to maintain the Departments Asphalt Emulsion QC/QA Program.
- 2.1 The Asphalt Emulsion Quality Control Quality Assurance Program is a comprehensive program designed to verify, assess, and track the quality of asphalt emulsions delivered to North Carolina Department of Transportation projects and maintenance operations. It is also used as a means for qualifying Producers/Suppliers to provide asphalt emulsions in this capacity.
- 2.2 The Producers are required to submit Quality Control (QC) plans to the Chemical Testing Engineer for review, submit monthly QC reports, and Excel spreadsheets capturing all the on-site and off-site testing done by the Producer to the Chemical Testing Engineer, and participate in Independent Assurance (IA) activities. Once these criteria have been met, the producer will then have all laboratories and technicians certified.
- 2.3 All laboratories, Producers' on-site, off-site, or independent, must meet a minimum set of criteria. The laboratories must either be AMRL accredited or NCDOT certified. The NCDOT certification process involves the qualification of all laboratory equipment, protocols, and testing procedures used. The qualification will be under the direction of the Chemical Testing Engineer and his staff.
- 2.4 In addition, each facility will have a minimum number of NCDOT certified technicians to perform sampling, testing, and record keeping duties during production of material that are used on NCDOT and Federal Aid projects.
- 2.5 The Materials and Tests Unit is tasked with performing Quality Assurance (QA) verification sampling, testing and record keeping confirming the operation of the Producer's quality control system and IA assessments and correlations of tests.
- 2.6 It is the intent of this program that acceptance or rejection of material be based on the total program. Therefore, a comparison of the QC and QA verification and other recent sample data may be used by the NCDOT for acceptance or rejection of a lot of material.

2.7 Participation in this program does not relieve the Producer of the responsibility of complying with all requirements of the *NCDOT Standard Specifications for Roads and Structures*.

2.8 The latest copy of the program can be found at :

[http://www.ncdot.gov/doh/operations/materials/pdf/qc\\_qa\\_emulsion\\_ncdot\\_2008rev1.pdf](http://www.ncdot.gov/doh/operations/materials/pdf/qc_qa_emulsion_ncdot_2008rev1.pdf)

### 3. What to do When Receiving Asphalt Emulsion

3.1 The following is what should be done at a minimum when receiving a sample of asphalt emulsion on the project:

3.1.1 Verify the source of the emulsion. The source of the emulsion must be clearly recorded on the Bill of Lading. Be careful not to look at the main office address which may also be recorded. The material must come from a terminal on the Departments approved list. Examples of typical BOL's are shown in Appendix A.

3.1.2 Per the Asphalt emulsion QC/QA program all BOL's must have the NCDOT assigned batch number recorded. The batch number starts with the approved terminal number. This Batch number will have to be entered into HiCAMS when receiving tack on projects.

3.1.3 The BOL must have the supplier and transporters certifications recorded. The certification state that the material meets the NCDOT requirements and the transport tank was clean and free from contamination.

3.1.4 The net gallons must be recorded and match what is required for the project.

3.1.5 The approved grade of the material must be recorded on the BOL. An example of the approved list of grades per facility can be found in Appendix B\*\*\*.

\*\*\* **Note this list changes periodically. The most up to date list can be found at <http://www.ncdot.gov/doh/operations/materials/pdf/aspprodnc.pdf>**

3.2 If the BOL is lacking any of this information the product should not be received on the project.

# **Appendix A**

## **Example Bill of Lading**



**ASPHALT EMULSION, INC.**

RICHMOND, VA  DUNN, NC  MANASSAS, VA

**TERMINAL ID**

**BILL OF LADING OR DELIVERY TICKET**

NOT A BILL OF LADING WHEN MOVED IN VEHICLES OPERATED BY SHIPPER OR OWNER OF PRODUCT, BUT MERELY A RECEIPT FOR PRODUCT.

**21469**

**BOL NUMBER**

Subject to the tariffs or contract in effect on the date of the issue of this Bill of Lading, the property described below in apparent good order, is received by the carrier shown herein, which carrier agrees to transport to the consignee and destination shown herein subject to the terms and conditions of the special contract between the carrier and the consignor or consignee in effect on the date of the issue of this Bill of Lading. In the absence of a special contract transportation will be subject to all the terms and conditions of the carrier's tariffs legally on file. It is further agreed by the carrier that the transportation of this shipment will be performed in compliance with all applicable Rules, Regulations and Laws.

This is to certify that the described materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation. It is further agreed by the carrier that the transportation of this shipment will be performed in compliance with all applicable rules, regulation and laws.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

Signature of Consignor \_\_\_\_\_

I certify that the material shipped on this Bill of Lading meets State of Virginia/North Carolina/Maryland/Georgia/South Carolina/Tennessee Highway Department specifications. The transport tank was examined and found suitable for loading. By:

Authorized Signature \_\_\_\_\_

**SUPPLIER CERTIFICATION**

Trucker certifies that the cargo tank supplied for this shipment is a proper container for the transportation of this commodity and that proper placards have been applied.

SHIPPER Puryear

DRIVER Barbour

**TRANSPORTERS CERTIFICATION**

We certify this vessel is free of contaminating material upon loading, the product on the prior load was C.R.S.-2

SEAL NUMBERS

THE DESCRIBED MATERIAL RECEIVED IN GOOD CONDITION AS NOTED

Consignee \_\_\_\_\_

By \_\_\_\_\_

PRODUCT HAZARDOUS CLASS	TEMP	GRAV.	GALLONS	CONSIGNEE/DESTINATION
C.R.S.-2	172 F	1.01 or 8.40pp	4,474	NCDOT 4800018160 Appointment Time: Arrival Time: Departure Time:

**NET GALLONS**

**DESTINATION**

We certify that all material being shipped on this invoice/bill of lading has been tested and approved under the Virginia Asphalt Acceptance Program and that the material has been loaded into carriers that are suitable for shipment such that no contamination has taken place.

**TANK NUMBER**

**BATCH NUMBER**

B/L NO: 21469 Dist: 10

TANK NO: 9 13-01817

PROJ. NO: Union

**SCALE WEIGHTS**

**SHIPPING DATE & TIME**

2/24/2012  
7:23:49 AM

32,400 LB T

2/24/2012

7:24:20 AM

69,980 LB G

32,400 LB T

37,580 LB N

North Carolina Public Weighmaster

License expires June 30, 2012

William Rowland - 321297

IN/ADDRESS SIGNED

CARRIER Puryear

DRIVER Barbour

TRACTOR 206 TRAILER 137

SIGNATURE Barbour



SAMPLE BOL - ASPHALT EMULSIONS – NEWPORT NEWS, VA – AT 56

XXXXXXXXXX		CONTRACT NO. <b>STRAIGHT BILL OF LADING</b>		In Emergency call Chemtrec at: (800) 424-9300 Reference ERG Guide #128 for emergency response information	
		NOT A BILL OF LADING NUMBER			
This is to certify that the below named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.					
				Signature By: <i>[Signature]</i>	
If this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and other lawful charges.					
Signature of Consignor: <i>[Signature]</i>					
Cargo Tank Supplied by Carrier/Carrier Compliance to Laws - Where the cargo tank is supplied by the carrier, the carrier hereby certifies that the cargo tank supplied for this shipment is a proper container for the transportation of this commodity. This is to acknowledge that the carrier has in his possession or has been offered and accepted the required hazard materials placards and/or emergency response information. I certify that this tanker is free of leaks and contaminating material upon loading. The product on the prior load was _____					
The property described herein in accordance with the Uniform Domestic Straight Bill of Lading found in National Motor Freight Classification, in effect on the date of issuance of this Bill of Lading or the applicable contract with shipper. It is further agreed by the carrier that the transportation of this shipment will be performed in compliance with all applicable rules, regulations and laws.					
<b>TRANSPORTERS CERTIFICATION</b>					
<b>TERMINAL ID</b>					
ORIGIN	SHIPPER	CARRIER			
Newport News PLT, VA	Asphalt Emulsions Inc.	Common Carrier			
SOLD TO			CONSIGNEE/DESTINATION		
53550 - NCDOT			53550 - NCDOT		
<b>BOL NUMBER</b>			<b>SHIPPING DATE AND TIME</b>		
BILL OF LADING		SHIP DATE	FREIGHT		
30187-10-002165		11/01/2010			
Original BOL: _____		Time In: 05:30		Agreement #: 153	
Detail Ref: _____		Time Out: 06:20		Customer PO #: Whitehurst	
Order Level Comments		Truck #: 129		Trailer #: 278	
		Tank #: 42		Antistrip Adhere HP	
		<b>TANK NUMBER</b>		Type: Plus	
Additional Info		Batch #: 5600065		Anti-strip	
P.O. # 4800018215				Gallons: 0	
Project # Road Oil				<b>BATCH NUMBER</b>	
Proj # _____		Proj Name: _____		Reference: _____	
Product/Alias		Temp	Gross Vol	Net Vol	Weights
CRS-2L		178 F	6085.83 GAL	5906.36 GAL	Gross 79960 LBS 36269.25 KG
<b>MATERIAL</b>		81 C	23321.35 LT	22355.63 LT	Tare 29880 LBS 13553 KG
					Net 50080 LBS 22715.91 KG
					25.04 TON 22.72 MT
<b>NET GALLONS</b>					
Proper Shipping Description					
Non-Regulated, asphalt product					
Pounds per Gallon: 8.479		Kilograms per Liter: 1.016		Specific Gravity @ 60.0F: 1.017	
Company or its affiliates hereby certifies that the bituminous materials provided under this bill of lading were tested in accordance with the company's or its affiliates' latest agency plan (the "Agency Plan") submitted to the State of North Carolina and, based on such testing, such bituminous materials conform with the applicable specifications of the State of North Carolina. The Agency Plan, together with all its terms, conditions and disclaimers, are hereby incorporated by reference into this bill of lading. The densities and Specific Gravity depicted are actual results. Product densities can vary through the processes of manufacturing, shipping and handling.					
<b>SUPPLIER CERTIFICATION</b>					
Authorized Signature: <i>[Signature]</i>					
<b>WEIGHMASTER CERTIFICATION</b>					
NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2011 LARRY WILSON 32135					
<b>INVALID UNLESS SIGNED</b>					



**BOL NUMBER**

**TERMINAL ID**

**ASPHALT EMULSION, INC.**  
 RICHMOND, VA  DUNN, NC  MANASSAS, VA

**BILL OF LADING OR DELIVERY TICKET**  
 NOT A BILL OF LADING WHEN MOVED IN VEHICLES OPERATED BY SHIPPER OR OWNER OF PRODUCT, BUT MERELY A RECEIPT FOR PRODUCT.

**32441**

Subject to the tariffs or contract in effect on the date of the issue of this Bill of Lading, the property described below in apparent good order, is received by the carrier shown herein, which carrier agrees to transport to the consignee and destination shown herein subject to the terms and conditions of the special contract between the carrier and the consignor or consignee in effect on the date of the issue of this Bill of Lading. In the absence of a special contract transportation will be subject to all the terms and conditions of the carrier's tariffs legally on file. It is further agreed by the carrier that the transportation of this shipment will be performed in compliance with all applicable Rules, Regulations and Laws.

This is to certify that the described materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation. It is further agreed by the carrier that the transportation of this shipment will be performed in compliance with all applicable rules, regulation and laws. Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

Signature of Consignor *J. Harris*

I certify that the material shipped on this Bill of Lading meets State of Virginia/North Carolina/Maryland/Georgia/South Carolina Department specifications. The transport tank was examined and found suitable for loading. By: *Mark Smith*

**SUPPLIERS CERTIFICATION**

Trucker certifies that the cargo tank supplied for this shipment is a proper container for the transportation of this commodity and that proper placards have been applied.

SHIPPER **Whitehurst Transport, Inc.**  
 DRIVER **Harris, Tyrone**

**TRANSPORTERS CERTIFICATION**

*We certify this tanker is free of contaminating material upon loading. The produce on the prior load was C.R.S.-2L*

THE DESCRIBED MATERIAL RECEIVED IN GOOD CONDITION AS NOTED

Consignee \_\_\_\_\_ By \_\_\_\_\_

**NET GALLONS**

PRODUCT HAZARDOUS CLASS	TEMP	GRAV.	GALLONS	CONSIGNEE/DESTINATION
<b>C. R. S. -2L</b> Remarks: Terminal 52	180 F	8.4ppg @60F	5.790	<b>NCDOT Division 5</b> <b>NCDOT Batch# 5200261</b> Granville Emergency contact: CHEMTRAC 800-424-9300

**MATERIAL**      **DESTINATION**      **BATCH NUMBER**

We certify that all material being shipped on this invoice/bill of lading has been tested and approved under the Virginia Asphalt Acceptance Program and that the material has been loaded into carriers that are suitable for shipment such that no contamination has taken place.

**TANK NUMBER**

B/L NO: 32441      Dist: 5  
 TANK NO: **9**      825112219      67.10%  
 PROJ. NO: \_\_\_\_\_      PO# 4800018215

CARRIER **Whitehurst Transpbtrt, Inc.**  
 DRIVER **Harris, Tyrone**  
 TRACTOR 13      TRAILER 30  
 SIGNATURE *J. Harris*

**SCALE WEIGHTS**

**SHIPPING DATE & TIME**

**WEIGHMASTERS CERTIFICATION**

**9/1/2011**  
**2:11:19 AM**  
 30.440      I R T  
**9/1/2011**  
**2:35:29 AM**  
 79.080      LB G  
 30.440      LB T  
 48.640      LB N

NORTH CAROLINA PUBLIC WEIGHMASTER  
 LICENSE EXPIRES JUNE 30, 2012  
 MARK SMITH 99880  
*Mark Smith*  
 INVALID UNLESS SIGNED

SAMPLE BOL – HAMMAKER EAST – RICHMOND, VA – AT 42

TERMINAL ID

**HAMMAKER EAST LTD.**  
**Richmond Plant**  
 7700 Fort Darling Road  
 Richmond, VA 23237

Plant Manager: Logan Norman  
 Office: 804-275-9261  
 Fax: 804-275-1162

**TRUCK BILL OF LADING  
 DELIVERY RECEIPT AND INVOICE**

**BOL# : 420001265**

Charge To: **NCDOT DV 1 HERTFORD CO BT**  
**DESTINATION**

Carrier: 2739  
 Desitination: **HERTFORD CO. N.C.**

Truck ID: **WHI-29**  
 WHI-29

Truck/Trailer: 254  
 P.O. #: 4800018253

Driver: **J. WRIGHT**

Date: 10/3/2011  
 Time In: 3:49 am  
 Time Out: 4:21 am  
**SHIPPING DATE & TIME**

Product	Description	MATERIAL	Tank	TANK NUMBER
30.1011	CRS-2		5	

WT BP: 8.35  
 TEMP: 180  
 VISC: 300  
 LOT: 4200737  
**BATCH NUMBER**

The Material Referenced above is certified to meet NC D.O.T & VA D.O.T. Specifications for performance grade asphalt emulsions, AASHTO Materials Part II 14th Edition. We certify that all material being shipped on this invoice/bill of lading has been loaded under the supervision of our representative into carriers that are suitable for shipment of this material.

**WEIGHMASTER CERTIFICATION**

Gross:	Tare:	Net Lbs:	Total Net (GAL):
79460	30620	48840	5,849.10

**NET GALLONS**

	Qty	Rate	Amount
Mat.	5,849.10 GAL		
Freight			
Tax	NCCLS		
Total			

**NORTH CAROLINA PUBLIC WEIGHMASTER**  
 L. Norman Weightmaster Lic.# 32136  
*J. Hopkins*  
 INVALID UNLESS SIGNED

NC Dept of Transportation Supplier's & Transporters Certification / Loading Affidavit - Richmond, VA Terminal  
 VA Dept of Transportation Supplier's & Transporters Certification / Loading Affidavit - Richmond, VA Terminal

"This is to certify that this shipment of 5,849.10 GAL of CRS-2 meet all requirements of NC / V Transportation specifications."  
 Signed: *J. Hopkins*  
**SUPPLIER CERTIFICATION**  
 (Authorized Representative of supplier)

I certify that the product in my current load is compatible with product residue from my previous load  
 Current Load: CRS-2  
 Prev. Load: CRS-2L

I certify that my trailer is free of moisture  
 I certify that my trailer is in good mechanical condition  
 All valves operable, dome lids / gaskets are in place, there are no tank or piping leaks, and all drains and unloading valves are closed  
 I certify that my trailer is free of retained residue  
 I understand that if my truck is to be retained which exceeds 95% of transport capacity, it cannot be filled without the express permission of authorized Richmond Terminal.

Signed: *J. Wright*  
**TRANSPORTERS CERTIFICATION**  
 (Authorized Representative of transporter)

In Case of Emergency: 1-800-424-9300 CHEMTREC, IF DC USE 1-202-483-7616

Non Hazardous  
 Flashpoint Above 105° F.  
 Protect From Freezing

Warranty - All products manufactured by use are warranted to be first class materials and free from defects in material and workmanship. We make no warranty, expressed or implied, as to suitability of any of our products for any particular use, and we shall not be subject to liability from any damages resulting from their use in operation not under our direct control.



SAMPLE BOL – SEACO – COLUMBIA, SC – AT 26

TERMINAL ID

Seaco, Inc.  
2700 Wm. Tuller Drive  
P.O. Box 5227  
Columbia, SC 29250-5227

**SEACO**  
ASPHALT EMULSIONS  
Since 1949

Local: (803) 799-5335  
Toll Free: (800) 729-5335  
Fax: (803) 256-8111  
www.seacoinc.com

SHIPPING  
TIME

SHIPPING  
DATE

Date: 11/2/2011

Weighmaster #1498

*Tom Ables*

Time: 12:13AM

Customer: 5670 - A & B PAVING CORP

Ticket: 4102

P.O. Number: DON LATTA DESTINATION

Truck: 527

File/Proj/R#:

Tanker: 139

County: ORANGE, NC

BOL NUMBER

Gross Tons: 27.47

Deliver To: DURHAM SHOP

NET GALLONS

Tare Tons: 12.52

Job Location:

Net Tons: 14.95

Product: CRS-2

Liters: 13467.41

Quantity: 3558 Net Gallons

This is to certify that this shipment of 3558 gallons of CRS-2 grade asphalt emulsion meets all requirements of NC DOT specifications.

TANK  
NUMBER

Tank No: 34

Seal No: 26.09191

BATCH NUMBER

Pump Y/N: No

Hose Y/N: No

Loading Temperature:

Signed: *Tom Ables*

SUPPLIER CERTIFICATION

This is to certify that the transport tank was clean and free of contaminating materials and that the last material transported was CRS-2.

Signed: *Tom Ables*

TRANSPORTERS  
CERTIFICATION

Driver: BRAD

Received By:

Carrier: STERLING TRANSPORT

Deliver Time: 7<sup>30</sup>

DEMURRAGE FORM

MILEAGE RECORD

Time	(AM)	(PM)
Ordered:		
Arrived:		
Depart:		
Billable:		
Approved By:		

Beginning Mileage:	
Leaving State:	
Re-entering State:	
Ending Mileage:	
Total Mileage:	

Note: \*\*TAKE TIRE FOR EMPTY\*\*

Trailer Brought Back: 257


Directions: 5508 US70 WEST, DURHAM, NC 27705. 919-383-1156. I-85 NORTH TO EXIT 170 (DUKE UNIVERSITY HWY 751)  
Paid By: US70 EAST UNTIL YOU SEE LIQUOR STORE ON RIGHT GO 100 YARDS ON LEFT.

WEIGHMASTER  
CERTIFICATION

NORTH CAROLINA  
PUBLIC WEIGHMASTER  
LICENSE EXPIRES JUNE 30, 2012  
TON HOURS 20880  
*Tom Ables*  
INVALID UNLESS SIGNED

SAMPLE BOL – BCI MATERIALS – CHARLOTTE, NC – AT 65

**TERMINAL ID**



Street Address: 1131 Atando Avenue  
Charlotte, NC 28206

Mailing Address: P.O. Box 31635  
Charlotte, NC 28231

Office: 704-334-5014  
Fax: 704-376-4184

Website: www.BCIMaterials.com

**SHIPPING DATE AND TIME**

Date Printed: 05/12/2011 Time Printed: 7:39 AM  
Date Loaded: 05/12/2011 Time Loaded: 7:37 AM Terminal Number: AT-65

**BOL NUMBER**

Ticket Number: 1095

Customer: Charlotte Asphalt WO  
Customer Number: 9900612050 Truck Number: 6201054  
Purchase Order Number: Asphalt Services Tanker Number:  
Project Name: Asphalt Services Gross Tons: 16.15  
Project Address: 2911 N Graham St  
Charlotte  
NC Tare Tons: 13.56  
County: MECK Net Tons: 2.59  
Product: 232B5000001 CRS-1 Quantity Net Gallons: 607.93


**DESTINATION**

**NET GALLONS**

**MATERIAL**

**SUPPLIER CERTIFICATION**

This is to certify that this shipment of 607.93 gallons of CRS-1 including 0 gallons of N/A anti-strip meet all requirements of NC Department of Transportation specifications.

Signed:   
Authorized Representative of Supplier

**TANK NUMBER**

Tank Number: E-1 Specific Gravity @ 60°F: 1.021

**BATCH NUMBER**

Seal Number: QC-6500109R Loading Temperature: 154


**WEIGHMASTER CERTIFICATION**

North Carolina Public Weighmaster License Expires June 30, 2015  
Craig Christenbury

Weighmaster: 35774 Craig Christenbury

**TRANSPORTER CERTIFICATION**

This is to certify that this transport tank was clean and free from contaminating materials when loaded. The material transported on the previous load in this tanker was 1H

Signed:   
Authorized Representative of Transporter

Date and Time Shipped If Other Than Date and Time Loaded: \_\_\_\_\_

SAMPLE BOL – HAMMAKER EAST – GREENSBORO, NC – AT 08

**HAMMAKER EAST EMULSIONS LLC.**  
**Greensboro Plant**  
 1124 South Holden Road  
 Greensboro, NC 27407

Plant Manager  
**SHAWN BYRAM**

Office: 336-292-6875  
 Fax: 336-292-6076

**TERMINAL ID** (points to Hammaker East, Ltd.)

**BOL NUMBER** (points to BOL# : 425002687)

**DESTINATION** (points to Desitination: WAKE)

**MATERIAL** (points to Description: CRS-1H)

**TANK NUMBER** (points to Tank : 10)

**BATCH NUMBER** (points to BATCH # 0802888)

**SHIPPING DATE & TIME** (points to Date: 3/31/2011, Time In: 12:00 am, Time Out: 2:27 pm)

**NET GALLONS** (points to Total Net (GAL): 5,197.13)

**WEIGHMASTERS CERTIFICATION** (points to NORTH CAROLINA PUBLIC WEIGHMASTER section)

**SUPPLIER CERTIFICATION** (points to Signed: section)

**TRANSPORTER CERTIFICATION** (points to I certify that my trailer is free of moisture section)

**TRUCK BILL OF LADING  
 DELIVERY RECEIPT AND INVOICE**

Charge To: **Lane Construction**

Carrier: **2825**

Truck ID: **314**

Truck/Trailer: **152**

Driver: **BRYANT**

P.O. #:

Product	Description	Tank
30.1006	CRS-1H	10

WT @ 60F 8.37  
 TEMP 180F  
 BATCH # 0802888

The Material Referenced above is certified to meet NC D.O.T. Specifications for performance grade asphalt emulsions, AASHTO Materials Part II 14th Edition

Gross:	Tare:	Net Lbs:	Total Net (GAL):
75500	32000 *	43500 **	5,197.13

\* Manual Weight

	Qty	Rate	Amount
Mat	5,197.13 GAL		
Freight			
Tax	NCSLS		
<b>Total</b>			

**NORTH CAROLINA PUBLIC WEIGHMASTER**  
 Joseph Shawn Byram Lic# 35087 Exp

*INVALID UNLESS SIGNED*

**N.C. Dept. of Transportation Supplier's & Transporters Certification / Loading Affidavit - Greensboro, NC. Terminal**

"This is to certify that this shipment of 5,197.13 GAL of CRS-1H meet all requirements of NC Transportation specifications."

Signed: \_\_\_\_\_ (Authorized Representative of supplier)

I certify that the product in my current load is compatible with product residue from my previous load

Current Load: CRS 1H Prev. Load: PG 64-22

I certify that my trailer is free of moisture YES NO  
 I certify that my trailer is in good mechanical condition YES NO  
 All valves operable, dump valves are in place, there are no tank or piping leaks, and all drains and unloading valves are closed YES NO  
 I certify that my trailer is free of retained residue YES NO  
 I understand that if my truck contains retain which exceeds 0.5% of transport capacity, it cannot be filled without the express permission of an authorized Greensboro Terminal YES NO

Signed: \_\_\_\_\_ (Authorized Representative of transporter)

**In Case of Emergency: 1-800-424-9300 CHEMTREC, IF DC USE 1-202-483-7616**

Non-Hazardous Flashpoint Above 105' F. Protect From Freezing

**Warranty** - All products manufactured by use are warranted to be first class materials and free from defects in material and workmanship. We make no warranty, expressed or implied, as to suitability of any of our products for any particular use, and we shall not be subject to liability from any damages resulting from their use in operation not under our direct control.



**Appendix B**

**Example Approved List  
of Grades per Facility**

**Asphalt Products Available to NC by  
Producers and Suppliers (Updated  
when QC plans are)\*\*\*  
(\*\*Strikethrough P/S are not  
qualified to sell to NC!\*\*)**

**REVISION 17 NCDOT  
INTERNAL USE ONLY**

Yellow =  
New  
revision

No  
product in  
future.

ID #	Facility Name	Producer / Supplier Name	Type (B = Binder) (E = Emulsio n)	PG 58-28				PG 64-22		PG 67-22		PG 70-22		PG 70-28		PG 76-22	
AT2	Savannah, GA (#02)	NuStar Asphalt - Binder	Binder	PG 58-28				PG 64-22	PG 67-22			PG 70-22	PG 70-28		PG 76-22		
AT3	Wilmington, NC (#03)	NuStar Asphalt - Binder	Binder	PG 58-28				PG 64-22									
AT5	<del>Morehead City, NC (#05 EXPIRED)</del>	<del>SemMaterials, L.P.</del>	<del>Binder</del>	<del>-</del>	<del>-</del>	<del>-</del>	<del>-</del>	<del>PG 64-22</del>	<del>-</del>	<del>-</del>	<del>PG 70-22</del>	<del>-</del>	<del>PG 76-22</del>	<del>-</del>	<del>-</del>	<del>-</del>	<del>-</del>
AT6	Inman, SC (#06)	Associated Asphalt	Binder	PG 58-28				PG 64-22				PG 70-22			PG 76-22		
AT7	Black Mountain, NC (#07)	Hammaker East	Emulsion	CRS-1	CRS-1H	CRS-2		CRS-2L						CRS-2P	CSS-1		NovaBond
AT8	Greensboro, NC (#08)	Hammaker East	Emulsion	CRS-1	CRS-1H	CRS-2		CRS-2L					CRS-2P	CMS-PX	EPR-1		NovaBond
AT9	Dumfries, VA (#09)	NuStar Asphalt - Binder	Binder	PG 58-28				PG 64-22				PG 70-22			PG 76-22		
AT10	Richmond, VA (#10)	Valero	Binder					PG 64-22									
AT11	Charlotte, NC (#11)	NuStar Asphalt - Binder	Binder	PG 58-28				PG 64-22				PG 70-22			PG 76-22		
AT12	Salisbury, NC (#12)	Associated Asphalt	Binder	PG 58-28				PG 64-22				PG 70-22	PG 70-28		PG 76-22		
AT13	Dunn, NC (#13)	Asphalt Emulsion Inc.	Emulsion	EAP	CRS-1	CRS-2		CRS-2L	CRS-2P			CSS-1H	CSS-1RP		CQS-1H	CQS-1HLM	Novabond

AT14	Wilmington, NC (#14-EXPIRED)	Central	Emulsion	-	-	-	-	-	-	-	-	-	-
AT15	Wilmington, NC (#15)	NuStar Asphalt - Binder	Binder	<del>PG 52-28</del>		PG 64- 22	<del>PG 64-28</del>		<del>PG 70-22</del>				
AT16	Chesapeake, VA (#16)	NuStar Asphalt - Binder	Binder	<del>PG 52-28</del>		PG 64- 22	<del>PG 64-28</del>		<del>PG 70-22</del>				
AT17	Black Mountain,NC(#17)	Hammaker East NuStar Asphalt - Binder	Binder	-	-	PG 64- 22	-	-	-	-	-	-	-
AT18	Charleston, SC (#18)	Blackledge Emulsions	Emulsion	CRS-1	CRS-1H	CRS-2		CRS- 2L	<del>CMS-PX</del>	<del>EPR-1</del>	<del>NTSS1HM</del>		
AT19	Greer, SC (#19)	Marathon Petroleum - Binder	Binder			PG 64- 22							
AT20	Greenville, SC (#20- EXPIRED)	Patriot Asphalt	Binder	<del>PG 58-28</del>	-	PG 64- 22	-	-	<del>PG 70-22</del>	-	-	-	-
AT21	Winston-Salem, NC (#21)	Associated Asphalt	Binder			PG 64- 22							
AT25	Gainesville, GA (#25)	S.E.A. Co. - Emulsions	Emulsion	CRS-1	CRS-1H	CRS-2	<del>CRS- 2H</del>	CRS- 2L	EAP	CRS- 2P	HFMS-1	RS-1	
AT26	Columbia, SC (#26)	ConocoPhillips - Binder	Binder			PG 64- 22							
AT27	Chattanooga, TN (#27)	Associated Asphalt	Binder			PG 64- 22			<del>PG 70-22</del>	<del>PG 70-28</del>	PG 76-22		
AT28	Bristol, VA (#28)	ConocoPhillips - Binder	Binder			PG 64- 22			PG 70-22		PG 76-22		
AT29	Knoxville, TN (#29)	SemMaterials, L.P.	Binder	-	-	PG 64- 22	-						
AT30	Chesapeake, VA (#30)	NuStar Asphalt - Binder	Binder			PG 64- 22			PG 70-22				
AT31	Wilmington, NC (#31)	Associated Asphalt	Binder	PG 58-28		PG 64- 22			PG 70-22		PG 76-22		
AT32	Greensboro, NC (#32)	NuStar Asphalt - Binder	Binder	PG 58-28		PG 64- 22			<del>PG 70-22</del>				
AT33	Hopewell, VA (#33)	JT Russell & Sons - Binder	Binder	-	-	PG 64- 22	-	-	-	-	-	-	-
AT34	Charlotte, NC (#34)	Apex, NC (#35- EXPIRED)	Patriot Asphalt	Binder	-	PG 64- 22	-	-	-	-	-	-	-
AT35	Apex, NC (#35- EXPIRED)	Patriot Asphalt	Binder	-	-	PG 64- 22	-	-	-	-	-	-	-



AT39	Knoxville, TN (#39)	Marathon Petroleum - Binder	Binder	<del>PG 52-28</del>	<del>58-22</del>	PG 64-22		PG 70-22	<del>PG 70-28</del>	PG 76-22			
AT40	Newport News, VA (#40)	NuStar Asphalt - Binder	Binder			PG 64-22		PG 70-22	PG 70-28	PG 76-22			
AT42	Richmond, VA (#42)	Hammaker East	Emulsion	CRS-1	CRS-1H	CRS-2	CRS-2L	CMS-PX				<del>NTSS-1HM</del>	
AT43	Roanoke, VA (#43)	Associated Asphalt	Binder			PG 64-22		PG 70-22		PG 76-22			
AT44	<del>Garden City, GA (#44)</del>	<del>Ergon Asphalt</del>	<del>Binder</del>					<del>PG 70-22</del>	<del>PG 70-28</del>	<del>PG 76-22</del>	<del>PG 82-22</del>	<del>-</del>	
AT45	Wilmington, NC (#45)	Oldcastle Materials - Binder	Binder			PG 64-22							
AT46	Arden, NC (#46)	Emery Asphalt - Emulsions	Emulsion	CRS-1		CRS-2		CRS-2L	CRS-2P				
AT47	<del>York, PA (#47-PRIMEONLY)</del>	<del>SemMaterials, L.P.</del>	<del>Emulsion</del>	<del>CSS-1RP</del>	-	-	-	-	-	-	-	-	
AT48	Wilson, NC (#48)	Valero	Emulsion			PG 64-22							
AT49	Catlettsburg, KY (#49)	Marathon Petroleum - Binder	Binder			PG 64-22							
AT50	<del>Catlettsburg, KY (#50-EXPIRED)</del>	<del>Marathon Petroleum - Binder</del>	<del>Binder</del>	-	-	-	-	PG 70-22	-	PG 76-22	-	-	
AT51	<del>Chattanooga, TN (#51)</del>	<del>Marathon Petroleum - Binder</del>	<del>Binder</del>	-	-	PG 64-22	-	PG 70-22	-	PG 76-22	-	-	
AT52	Richmond, VA (#52)	Asphalt Emulsion Inc.	Emulsion	<del>CRS-1</del>		CRS-2	CRS-2L	CRS-2P	CQS-1HLM	CQS-1H	TTCQS-1H	NovaBond	
AT53	Roanoke, VA (#53)	Associated Asphalt	Emulsion	CRS-1		CRS-2	CRS-2L						
AT54	Healing Springs, NC (#54)	JT Russell & Sons - Binder	Binder		58-28	PG 64-22		PG 70-22		PG 76-22			
AT55	Garden City, GA (#55)	Ergon Asphalt	Emulsion	CRS-1	CRS-1H	CRS-2	CRS-2L	CQS-1HLM	CRS-2P				
AT56	Newport News, VA (#56)	Asphalt Emulsion Inc.	Emulsion	CRS-1		CRS-2	CQS-1H	CRS-2L	CSS-1RP	CRS-2P	NovaBond	RoadArmor	CQS-1HLM

AT57	Bristol, VA (#57)	Associated Asphalt	Emulsion	<del>CRS-1</del>	CRS-2	<del>CRS-2L</del>	CMS-2	<del>CSS-1H</del>		
AT58	Albemarle, NC (#58)	JT Russell & Sons - Binder	Binder	-	-	PG 64-22	-	-	PG 70-22	-
AT59	Garden City, GA (#XX)	Ergon Asphalt	Binder	-	-	PG 64-22	-	-	-	-
AT60	Albemarle, NC (#60)	A&R Materials - Binder	Binder			PG 64-22				
AT61	Rockmart, GA (#61)	CW Matthews - Binder	Binder			PG 64-22				
AT62	Union, SC (#62)	Southeast Emulsions - Binder	Binder			PG 64-22				
AT63	Lithonia, GA (#63)	NuStar Asphalt - Binder	Binder			<del>PG 64-22</del>			PG 76-22	
AT64	Branchville, VA (#64)	JT Russell & Sons - Binder	Binder			PG 64-22				
AT65	Charlotte, NC (#65)	BCI Materials	Binder	CRS-1	CRS-2					CQS-1HLM