

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

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 (BOL). 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. For example the contractor may order 5000 gallons and only use 1000 gallons on a particular project. In this case 1000 gallons will need to be entered into HiCAMS for the quantity received.

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 Billy Barber

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 [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 tanker is free of contaminating material upon loading the product on the prior load was C.R.3-2

THE DESCRIBED MATERIAL RECEIVED IN GOOD CONDITION AS NOTED

Consignee _____ By _____

SEAL NUMBERS

PRODUCT HAZARDOUS CLASS	TEMP	GRAV.	GALLONS	CONSIGNEE/DESTINATION
C.R.3-2	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

2/24/2012
7:23:49 AM

SHIPPING DATE & TIME

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 - 321287

IF/ADD/UNLESS SIGNED

CARRIER Puryear
DRIVER Barbour
TRACTOR 206 TRAILER 137
SIGNATURE Billy Barber

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

XXXXXXXXXX		STRAIGHT BILL OF LADING		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					
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 _____					
TRANSPORTERS CERTIFICATION					
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.					
ORIGIN		SHIPPER		CARRIER	
Newport News PLT, VA		Asphalt Emulsions Inc.		Common Carrier	
SOLD TO			CONSIGNEE/DESTINATION		
53550 - NCDOT			53550 - NCDOT		
Pamlico CO, NC			Pamlico CO, NC		
State: NC			State: NC		
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		Batch #: 5600065	
		Type: Plus		Anti-strip: 0	
				Gallons: 0	
Additional Info		P.O. # 4800018215		Project # Road Oil	
Proj # _____		Proj Name: J OR JILL		Reference: _____	
Product/Alias		Temp		Gross Vol	
CRS-2L		178 F		6085.83 GAL	
		81 C		23321.35 LT	
				Net Vol	
				5906.36 GAL	
				22355.63 LT	
				Gross	
				79960 LBS	
				36269.25 KG	
				Tare	
				29880 LBS	
				13553 KG	
				Net	
				50080 LBS	
				22715.91 KG	
				25.04 TON	
				22.72 MT	
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 reported are actual results. Product densities can vary through the processes of manufacturing, shipping and handling.					
Authorized Signature: <i>[Signature]</i>					
WEIGHMASTER CERTIFICATION					
NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2011 LARRY WILSON 32135					
INVALID UNLESS SIGNED					

BOL NUMBER

TERMINAL ID

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

32441

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.

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*

SUPPLIERS CERTIFICATION

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*

Authorized Signature *Mark Smith*

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 carrier is free of contaminating material upon loading. The evidence 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
C. R. S. -2L Remarks: Terminal 52	180 F	8.4ppg @60F	5.790	NCDOT Division 5 NCDOT Batch# 5200261 Granville Emergency contact: CHENTREC 800-424-9300

DESTINATION
BATCH NUMBER

MATERIAL

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 Transport, Inc.**

DRIVER **Harris, Tyrone**

TRACTOR 13 TRAILER 30

SIGNATURE *J. Harris*

SHIPPING DATE & TIME

WEIGHMASTERS CERTIFICATION

SCALE WEIGHTS

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
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
 Destination: **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 Weighmaster 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 starts to return which exceeds 0.5% of transport capacity, it cannot be filled without the express permission of authorized Richmond Terminal.

YES NO
 YES NO
 YES NO
 YES NO

Signed: *J. Hopkins*
 (Authorized Representative of transporter)

TRANSPORTERS CERTIFICATION

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
DATE

Date: 11/2/2011

Weighmaster #1498

Tom Holze

SHIPPING
TIME

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 Holze*

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 Holze*

TRANSPORTERS
CERTIFICATION

Driver: BRAD

Received By:

Carrier: STERLING TRANSPORT

Deliver Time: 7³⁰

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 HOMES 20880
Tom Holze
INVALID UNLESS SIGNED

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



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

TERMINAL ID

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

DESTINATION

Gross Tons: 16.15

Project Address: 2911 N Graham St
Charlotte
NC

NET GALLONS

Tare Tons: 13.56

County: MATERIAL MECK

Net Tons: 2.59

Product: 232B5000001

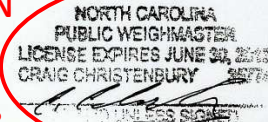
CRS-1

Quantity Net Gallons: 607.93

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.

SUPPLIER CERTIFICATION

Signed: *[Signature]*
Authorized Representative of Supplier



TANK NUMBER

Tank Number: E-1

Specific Gravity @ 60°F: 1.021

WEIGHMASTER

BATCH NUMBER

Seal Number: QC-6500109R

Loading Temperature: 154

CERTIFICATION

Weighmaster: 35774 Craig Christenbury

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

TRANSPORTER CERTIFICATION

Signed: *[Signature]*
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 (circled)

BOL NUMBER (circled)

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

DESTINATION (circled)

Charge To: Lane Construction
 Carrier: 2825 Desitination: WAKE
 Truck ID: 314 314
 Truck/Trailer: 152 P.O. #:
 Driver: BRYANT

MATERIAL (circled)

SHIPPING DATE & TIME (circled)

Date: 3/31/2011
 Time In: 12:00 am
 Time Out: 2:27 pm

TANK NUMBER (circled)

BATCH NUMBER (circled)

Product: 30.1006 Description: CRS-1H Tank: 10
 WT @ 60F 8.37
 TEMP 180F
 BATCH # 0802888

NET GALLONS (circled)

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		
Total			

WEIGHMASTERS CERTIFICATION (circled)

NORTH CAROLINA
 PUBLIC WEIGHMASTER
 Joseph Shawn Byram Lic# 35087 Exp
 INVALID UNLESS SIGNED

SUPPLIER CERTIFICATION (circled)

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: (Signature) (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
 I certify that my trailer is in good mechanical condition
 All valves operable, drains & leaks 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 contains retain which exceeds 0.5% of transport capacity, it cannot be filled without the express permission of authorized Greensboro Terminal

YES NO
 YES NO
 YES NO
 YES NO

TRANSPORTER CERTIFICATION (circled)

Signed: (Signature) (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.

(DOUBLE
UNDERLINE): Has
furnished before but
not in QC Plan

<<<(DIAGONAL) Indicates not
qualified or sampled for NC even
though grade is in QC plan

Type
(B =
Binder)
(E =
Emulsio
n)

Producer /
Supplier Name

ID # Facility Name

ID #	Facility Name	Producer / Supplier Name	Type (B = Binder) (E = Emulsio n)	PG	PG 64-67-22	PG 70-22	PG 70-22	PG 70-22	PG 76-22	PG 76-22	PG 76-22	PG 76-22
AT2	Savannah, GA (#02)	NuStar Asphalt - Binder	Binder	PG 58-28	PG 64-22	PG 67-22	PG 70-22	PG 70-22	PG 76-22	PG 76-22	PG 76-22	PG 76-22
AT3	Wilmington, NC (#03)	NuStar Asphalt - Binder	Binder	PG 58-28	PG 64-22	PG 64-22	PG 70-22	PG 70-22	PG 76-22	PG 76-22	PG 76-22	PG 76-22
AT5	Merehead City, NC (#05-EXPIRED)	SemMaterials, L.P. Associated Asphalt	Binder	-	PG 64-22	PG 70-22	PG 70-22	PG 70-22	PG 76-22	PG 76-22	PG 76-22	PG 76-22
AT6	Inman, SC (#06)	Associated Asphalt	Binder	PG 58-28	PG 64-22	PG 64-22	PG 70-22	PG 70-22	PG 76-22	PG 76-22	PG 76-22	PG 76-22
AT7	Black Mountain, NC (#07)	Hammaker East	Emulsion	CRS-1	CRS-1H	CRS-2	CRS-2L	CRS-2L	CRS-1	CRS-1	CRS-1	NovaBond
AT8	Greensboro, NC (#08)	Hammaker East	Emulsion	CRS-1	CRS-1H	CRS-2	CRS-2L	CRS-2L	CRS-1	CRS-2P	CMS-PX	NovaBond
AT9	Dumfries, VA (#09)	NuStar Asphalt - Binder	Binder	PG 58-28	PG 64-22	PG 64-22	PG 70-22	PG 70-22	PG 76-22	PG 76-22	PG 76-22	PG 76-22
AT10	Richmond, VA (#40)	Valeto	Binder	-	PG 64-22	PG 64-22	PG 70-22	PG 70-22	PG 76-22	PG 76-22	PG 76-22	PG 76-22
AT11	Charlotte, NC (#11)	NuStar Asphalt - Binder	Binder	PG 58-28	PG 64-22	PG 64-22	PG 70-22	PG 70-22	PG 76-22	PG 76-22	PG 76-22	PG 76-22
AT12	Salisbury, NC (#12)	Associated Asphalt	Binder	PG 58-28	PG 64-22	PG 64-22	PG 70-22	PG 70-22	PG 76-22	PG 76-22	PG 76-22	PG 76-22
AT13	Dunn, NC (#13)	Asphalt Emulsion Inc.	Emulsion	EAP	CRS-1	CRS-2	CRS-2L	CRS-2P	CRS-1H	CSS-1H	CRS-1H	CRS-1HLM

AT39	Knoxville, TN (#39)	Marathon Petroleum - Binder	Binder	PG 52-28	58-22	PG 64-22	PG 70-22	PG 70-28	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 Associated Asphalt	Emulsion	CRS-1	CRS-1H	CRS-2	CRS-2L	CMS-PX	
AT43	Roanoke, VA (#43)		Binder			PG 64-22	PG 70-22	PG 76-22	
AT44	Garden City, GA (#44)	Ergon Asphalt	Binder			PG 64-22	PG 70-22	PG 76-22	PG 82-22
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	York, PA (#47-PRIMEONLY)	SemMaterials, L.P.	Emulsion	GSS-1RP					
AT48	Wilson, NC (#48)	Valero	Emulsion			PG 64-22			
AT49	Catlettsburg, KY (#49)	Marathon Petroleum - Binder	Binder			PG 64-22			
AT50	Catlettsburg, KY (#50-EXPIRED)	Marathon Petroleum - Binder	Binder				PG 70-22		PG 76-22
AT51	Chattanooga, TN (#51)	Marathon Petroleum - Binder	Binder			PG 64-22	PG 70-22		PG 76-22
AT52	Richmond, VA (#52)	Asphalt Emulsion Inc.	Emulsion	CRS-1		CRS-2	CRS-2L	CRS-2P	CRS-1H
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		
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	CRS-2L	CRS-1H	CRS-2P

		Associated Asphalt	Emulsion	CRS-1	CRS-2	CRS-2L	CMS-2	CRS-1H
AT57	Bristol, VA (#57)	Associated Asphalt	Emulsion	CRS-1	CRS-2	CRS-2L	CMS-2	CRS-1H
AT58	Albemarle, NC (#58) Garden-City, GA	JT Russell & Sons - Binder	Binder	-	PG 64-22	-	PG 70-22	-
AT59	(#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	-	PG 64-22	-	-	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