



North Carolina State Ports

Port of Morehead City

Facilities

- Four miles from the open sea
- Situated along the Newport River and Bogue Sound
- 5,500 ft. of continuous wharf
- Two berths served by modern ship-loader and maximum loadout rate of 3,000 tons per hour of bulk cargo
- Dry-bulk facility (used mainly for phosphate) with 225,000-ton capacity warehouse, conveyor system and shiploader
- Open storage dry-bulk facility which can outload 1,000 tons per hour with a 2 million-ton annual capacity
- Concrete capped sheet pile bulkhead, solid fill with 1,000 psf concrete deck with rubber and/or timber fender system
- Deck height averages 10 ft. above mean low water
- Apron widths from unrestricted to 45 ft. opposite transit sheds
- Roll-on/Roll-off ramp
- Well-lighted terminal and 24-h security provided by North Carolina State Certified Port Police
- Barge Fleeting Area
- 150 acres available for port industrial development on Radio Island

Tides and Climate

- Mean tide range 2.9 ft., current velocities 2 to 3 knots
- Mild temperatures all year, with rare snow accumulation

Harbor Features (US Army Corps of Engineers Project Dimensions)

- Ocean bar channel depth of 47 ft. M.L.L.W. and width of 450 ft.
- Inside harbor channel depth of 45 ft. M.L.L.W. and widths of 400, 600, 775 and 820 ft.
- East turning basin depth of 45 ft. M.L.L.W. and diameter of 1,420 ft.
- West turning basin depth of 35 ft. M.L.L.W. and 1,200 ft. radius
- Depth of 45 ft. M.L.L.W. at NC Ports berths 1, 2 and 3; 35 ft. M.L.L.W. at Berths 4 through 9

Foreign Trade Zone

- Two sites approved as Foreign Trade Zone 67
- Site One: 190,374 square feet of warehouse space within main terminal
- Site Two: 40-acre tract of undeveloped land, four miles west of the port
- Provides for storage, manipulation, exhibition and limited manufacturing operations
- Can lower, defer or avoid import duties
- Can accommodate special purpose subzones

Equipment

- Two 115-ton capacity gantry cranes
- One 40 long ton: IHI container crane with 115-foot outreach, 63-foot backreach - equipped with grapple and bucket
- Two 30-ton mobile cranes
- One 140-ton mobile crane
- 39 lift trucks with 4,000 to 70,000 lb. capacities, including forklifts, trailers, tractors, front-end loaders and portable conveyors
- Certified truck scale
- Constant motion rail scale

Staging and Warehousing

- 457,564 sq.ft. of covered, sprinklered warehouse storage
- 353,765 sq.ft. of transit shed storage
- Rail access to warehouses and transit sheds
- 14 acres of paved, open storage

Railroads/Highways

- Switching railroad operated by Carolina Rail Services
- Norfolk Southern access
- Berths served by two surface tracks, two platform level tracks, and two depressed tracks at the rear of the transit sheds and covered railcar loading
- Additional railhead and railcar storage on Radio Island and west of Morehead City
- Vehicular access via U.S. 70 to Arendell Street
- Interstates 95 and 40, U.S. Hwy. 17 and N.C. 24

Support

- Variety of companies, agents, line handlers, towing companies, chandlers, brokers, bankers, marine repair, construction and international garbage disposal available on or near port
- All U.S. Customs services
- U.S. Department of Agriculture
- Immigration and Naturalization
- Extensive project shipment capability, including export packing and inventory control

Source: North Carolina State Ports Authority, 2008



North Carolina State Ports
(continued)

Port of Wilmington

Facilities

- On east bank of Cape Fear River
- 26 miles from open sea
- Channel is 42 ft., mean low water
- Wharf frontage is 6,768 ft. long, divided between container and general cargo operations
- Concrete pile wharf construction with solid or concrete deck fronted with rubber fender system
- Deck height averages 12 ft. above mean low water
- Open storage dry bulk facility which can outload over 800 tons/hr with a 70,000 ton storage capacity
- Covered dry bulk facility with 2.5-million-cubic-foot storage capacity and import conveyor system for grain and fertilizers - can handle 1,000 tons/hr
- Nearly 100 acres available for development north of present terminal
- Other berths with contiguous open apron areas up to 300 ft. wide
- Well-lighted terminal and 24-hour security provided by North Carolina State Certified Port Police officers.

Tides and Climate

- Mean tide range 3.8 ft. with tidal currents averaging 1.7 knots (flood), and 1.5 knots (ebb)
- Mild temperatures year 'round; rare snow accum.

Harbor Features (Army Corps of Engineers Project Dimensions)

- Ocean bar channel depth of 44 ft. M.L.L.W. and width of 500 ft.
- Inside harbor channel depth of 42 ft. M.L.L.W. and width of 500 ft.
- Anchorage/turning basin depth of 42 ft. M.L.L.W. and diameter of 1,200 ft.
- Depth of 42 ft. M.L.L.W. at seven NC Ports berths

Foreign Trade Zone

- Entire Terminal designated Foreign Trade Zone 66
- Provides for storage, manipulation, exhibition and limited manufacturing operations
- Can lower, defer or avoid import duties

Equipment

- Four container cranes
- Two 50 Long Ton: 120-ft. outreach, 103-ft. backreach
- One 40 Long Ton: 135-ft. outreach, 55-ft. backreach (in operation May 2004)
- One 40 Long Ton: 115-ft. outreach, 63-ft. backreach
- One multipurpose bridge crane (bulk, breakbulk, container)
- 40 Long Ton: 115-ft. outreach, 63-ft. backreach
- Two gantry cranes

- One 150-ton capacity; One 100-ton capacity
- Two 30-ton mobile cranes
- 65 lift trucks with 3,000 to 52,000 lb. capacities and a variety of specialized attachments
- Nine top-lift container handlers
- Six yard-hustler trucks
- Neutral chassis pool
- 3 truck scales - weighmaster on duty 24 hrs/ day

Staging and Warehousing

- Over 1 million sq ft of covered, sprinklered storage
- Both road and rail access to all storage buildings
- 100 acres of paved, open area; nearly 25 acres semi-improved open storage area

Specialized Warehousing

- 31,200 sq.ft. dedicated steel coils warehouse with a 30-ton remote control bridge crane
- Nearly one-half million sq.ft. warehouse space dedicated to forest products, including new 108,000 sq.ft. forest products center

Reefer Connections

- 129 electrical outlets for refrigerated containers

Fumigation

- Two chambers providing vacuum methyl bromide and detia
- Special covered, in-container fumigation area

Railroads/Highways

- CSX rail service twice daily
- Easy vehicular access with U.S. Hwys. 17, 74, 76 and 421 and Interstates 95 and 40
- Inland svc by CSX Intermodal and Norfolk Southern
- Connecting rail line, owned and operated by Wilmington Terminal Railroad, with interchanging cars between port and CSX system
- Equipment for handling all rail traffic, including double-stack trains
- Roll-on/roll-off capacity at ramps
- Transit sheds and warehouses with depressed tracks

Support

- Variety of companies, agents, line handlers, towing companies, chandlers, brokers, bankers, marine repair, customized export packing, construction and international garbage disposal available on or near port
- All U.S. Customs services
- U.S. Department of Agriculture
- Immigration and Naturalization
- Extensive project shipment capability, including export packaging and inventory control

Source: North Carolina State Ports Authority, 2008



Intermodal Terminal Network

North Carolina has established two inland terminals as part of an intermodal terminal network. The inland terminals of Charlotte and Greensboro serve as consolidation points for import and export cargo. Connected to the Port of Wilmington by rail and/or trucking service, these inland terminals offer North Carolina companies significant cost savings by combining product shipments to and from the port.

Inland Terminals

Charlotte Inland Terminal (CIT)
1301 Exchange Street, Charlotte, NC 28208
Telephone: 704-398-2076 or 704-398-2982
1-800-782-6155 FAX: 704-398-0940
Terminal Manager - Nancy Driggers

General

- Strategically located at the heart of manufacturing and distribution sites in the Southeast.
- Ability to offer Charlotte bill of lading at lower inland cost.
- Staging for empty and loaded containers.
- Pooling of equipment for steamship lines serving Wilmington.
- Offers customers ease and efficiency of picking up and delivering containers.
- Documented inspection of containers.
- Customized reporting, including EDI transfer or direct data.
- Grounding and mounting service.

Sprint Truck Service

- Eliminates "deadheading"/cost of "bobtail" trip
- Low fixed rate with no backhaul charge
- Rail Connections
- Inland service through CIT to Wilmington is offered by CSX Intermodal and Norfolk Southern Railroad.
- Convenient access to CSX and Norfolk Southern railheads.

Piedmont Triad Inland Terminal (PTIT)
505 Chimney Rock Rd., Greensboro, NC 27409
Telephone: 336-315-7033 FAX: 336-315-7032
Terminal Manager - James Gailey

General

- Strategically located at the heart of manufacturing and distribution sites in the Southeast.
- Ability to offer Piedmont Triad bill of lading at lower inland cost.
- Staging for empty and loaded containers.
- Pooling of equipment for steamship lines serving Wilmington.
- Offers customers ease and efficiency of picking up and delivering containers.
- Documented inspection of containers.
- Customized reporting, including EDI transfer or direct data.

Match Loads between PTIT/Triad area and Wilmington

- Eliminates "deadheading"/cost of "bobtail" trip
- Low fixed rate with no backhaul charge

Rail Connections

- Intermodal service through PTIT to Wilmington is offered by CSX Intermodal and Norfolk Southern Railroad.
- Convenient access to CSX and Norfolk Southern railheads.

Source: North Carolina State Ports Authority, 2008