

## Project Profile

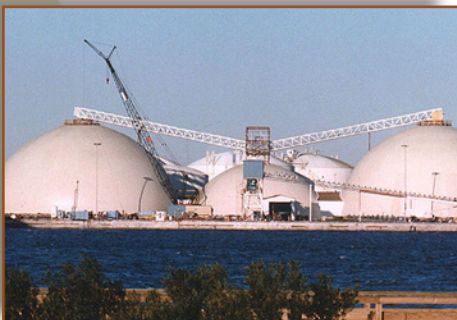
PCS Phosphate, Morehead City, NC



Monolithic Domes as bulk storage for phosphates.



The dome strength and durability make it excellent for storing material.



Each large dome encompasses over 3 million cubic feet.

The PCS Phosphate complex in Morehead City, North Carolina includes two 172 ft × 85 ft and one 132 ft × 51 ft domes. In 1996 Hurricane Bertha ravaged Morehead City, but did not damage the Monolithic™ Domes.

### Company:

The products of PCS Phosphate Company are used as ingredients in fertilizers (both liquid and solid), livestock and poultry feed, and industrial applications. Almost two-thirds of its products are used in fertilizers. Its operations form the phosphate business line of global agrochemical giant PotashCorp, which also mines nitrates and potash. PCS Phosphate has seven manufacturing facilities in the US. Its largest facility is composed of three Monolithic domes in Morehead City, North Carolina.

### Current Condition:

The Texas Gulf Chemical company contracted with Monolithic Constructors Inc. to construct these three structures back in 1988. Randy South, now president of South Industries was the superintendent that built the three domes. The Domes have been functioning as phosphate storage for 25 years with near zero maintenance. Since their commissioning the domes have been purchased by PCS Phosphate. Randy South, while visiting the port at Morehead City, North Carolina, in the fall of 2010 was told by the supervising Long Shore man at the port that the domes today are “doing great”. Everything he had to say was positive.

**Square Feet:** Total of 60,154 sq ft

**Domes:** Two @ 172 ft x 85 ft,  
 One @ 132 ft x 51 ft

**Volume:** Total of over 3,036,000 cubic feet