

## **Weyerhaeuser New Bern Facility New Bern, NC**

<b>Industry:</b>	Pulp and Paper
<b>Technologies:</b>	New reinforced concrete tank construction, tile lining.
<b>Contract Admin:</b>	CoroTech was contracted directly by the customer.

### **Application**

Construct a 60' diameter, 80'tall, 152,000 cubic foot reinforced concrete storage and process tank in accordance with applicable ACI codes and standard practices. The tank will be lined with a ceramic glazed tile utilizing a vinyl ester mortar for corrosion protection.

### **Challenges**

The tank required construction in an existing operating facility. It was located among site buildings and other tanks and the construction could not effect the daily operations of the facility. The new tank, when completed, would significantly improve operations, thus the schedule could not be compromised.

### **Solution**

Utilize 35 years experience in designing, engineering and constructing large tile lined reinforced concrete tanks. Our expertise includes steel installation, insert and embedment placement and quality control throughout the project. The new process tank holds Weyerhaeuser's process stock, between the bleach plant and the paper machine. Tank construction began with installing tile lining and a lightweight concrete block on the outside. Once these forms were in place, reinforced concrete was poured between the lining and the outer concrete block.

### **Results**

The tank was constructed on time and on budget. All nozzle locations were correct and the tank was leak free. The job consisted of 20,000 zero-accident hours.