

HELENE RESPONSE NCPC CONFERENCE

A Team Effort



Sustainability in Action

➤ Start Slide



Our Team



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About The Project

Baxter Site Background

- 1931 Drs. Ralph Falk and Don Baxter launched the Don Baxter Intravenous Products Group.
- 1950 First US Company to make commercially available human plasma.





Site Background Continued

- 1971 Opened IV Solutions manufacturing facility in NC
- Currently Baxter makes over 70% of the IV fluids for US Hospitals.
- Their shutdown led to a significant shortage of IV fluid across the US.
- Over 1 million IV solutions are produced at the site every day.





Hurricane Helene Hits Western NC

- September 27, 2024– Helene caused unprecedented flooding in Western NC, with a nearby levee breaching & leading to about four feet of water entering the North Cove facility. (Marion, NC)
- The Marion Facility is the largest manufacturer of intravenous (IV) and peritoneal dialysis (PD) solutions in the US and is Baxter's largest manufacturing facility. The Facility is 1.4 million square feet.
- The wastewater plant was inundated with mud and debris.
- The original goal was to get the plant back to operating within 30 days.



Site Access

- The bridge allowing access to the facility was deemed unsafe and only cars and utv's were allowed to cross





Site Access



- CCI designed and constructed with other site contractors a temporary creek crossing which allowed access to the facility. Also, it allowed for the removal of over 1200 truckloads of product manufactured before the hurricane.
- This product was transported to customers off site.
- The bridge also opened a conduit to allow heavy equipment materials and supplies to be staged at the facility.



▶ BAXTER INTERNATIONAL (VIA X)
OCTOBER 7




TRACKING MILTON

WIND **155 MPH**
PRESSURE **923 MB**

WIND & GUSTS
PAST 3 HOURS



20 30 40 50 60 100

CURRENT CONDITIONS

📍 TAMPA	📶 8
📍 ORLANDO	📶 13
📍 MIAMI	📶 6
📍 NAPLES	📶 9
📍 GAINESVILLE	📶 13



NC IV FLUID PLANT ROCKED BY HURRICANE HELENE




HURRICANE HELENE RELIEF
[REDCROSS.ORG/FOXFORWARD](https://redcross.org/foxforward)

FOX NEWS ALERT



Added on Tasks

- October 21, 2024, Completed deep cleaning for production rooms within the facility.
- October 28th, 2024, Baxter was able to restart first high-throughput IV solutions manufacturing line.
- Please keep in mind that the facility had to pass EPA testing to produce pharmaceutical grade products.
- November 18th, 2024, First product manufactured post hurricane released.
- December 16th, 2024 Increased allocation to 100% for majority of critical IV product groups by end 2024.
- 2.5 million total contractor hours in recovery efforts following Helene.



Performed Activities

- Mud Removal from parking lots and around the entire facility.
- Jetting and line clearing of Plant Storm water lines and process systems inside and outside the plant.
- Construction of a temporary creek crossing to allow access to the plant and the removal of stored products.
- Cleaning of the inside of facility to pass EPA Testing.
- Installation of temporary bypass to wastewater plant.
- Cleaning of aeration ponds in front of the facility.
- Removal of wastewater from wastewater ponds and the wastewater plant.















Wastewater

- Due to the power outage and flooding Baxter was unable to process and treat wastewater from the plant.
- All digesters, basins, and membrane tanks were left stagnant.
- CCI transported bugs from Elkin to Baxter's wastewater treatment plant.
- Sugar was added to the digestors daily to help the bugs thrive.
- CCI with the help of Shamrock moved roughly three million gallons of wastewater within 11 days.
- Shamrock was essential in the success of this project.