

MURRAY EQUIPMENT

NUTRIEN AG SOLUTIONS ▶ TIPTON, IN



Nutrien Ag Solution's Arcadia Tipton location is now larger and more centrally located to serve the area.



Murray Equipment, Inc. was a one-stop-shop provider of the facility equipment, liquid handling system and components, ICS Controls, and ICS ControlPro plant automation.



The facility features two fully automated loadout bays. Nutrien Ag can load trucks in half the time, now with three times the bays.



A third unattended loadout bay allows for round-the-clock customer service without additional staffing requirements.



Beyond the standard liquid handling equipment, Murray Equipment supplied everything including the repackaging frames, tote racks, hoses, nozzles, pivoting hose arms, hose holders, down to the buckets and spill prevention equipment.

SPECS AT A GLANCE

Business Name & Location:
Nutrien Ag Solutions, Tipton, IN
Type of Business: Retail
Products Offered: Liquid Fertilizer, Crop Protection Chemicals
Total Bays: 3

LIQUID FERTILIZER

Liquid Fertilizer Storage Capacity: 330,000 gallon plus 2 million gallon UAN
Hot Loads: Yes
Number of Operators Required: 1
No. of Bays: 2 attended, 1 unattended
Control System/Automation: ICS Control Pro, ICS 480, ICS 24-7

CROP PROTECTION

Bulk Chemical Storage Capacity: 112,000 gallons
Mini-Bulk Storage: Yes
Repackaging: Yes
Number of Operators Required: 1
Control System/Automation: ICS Control Pro, ICS 480



The new facility is fully automated with ICS ControlPro and ICS 480. ICS ControlPro manages customer tickets and batches, the 24-7 unattended loadout bay, and sending/receiving information from Nutrien's SAP software.



The new railcar unloading system allows Tipton to unload 5 railcars in 3 hours, which used to take a week via truck.

WHAT THEY NEEDED

After years of record-setting growth, the Nutrien Ag Solutions location in Acadia reached a critical point. Taking on new business was no longer sustainable without risking the level of responsiveness their customers had come to expect.

"We had maxed out" explained Nutrien Ag Solutions Location Manager Todd Harris. "I felt like if we continued to grow at the pace we had, we were going to lose the customer service that we had become known for. There were a lot of sleepless nights."



Todd Harris,
Arcadia Tipton
Location Manager

WHAT WE DESIGNED

Murray Equipment (MEI) was chosen as a one-stop-shop provider for all the liquid fertilizer operations. The facility features 2 manned loadout bays, 1 unattended bay, a dual repackaging center, both rail and truck offloading, and a warehouse/storage facility. To prevent cross-contamination and maintain product integrity, the facility utilizes separate systems for beans and corn, along with mini-bulks connected to dedicated pumps and meters.

This state-of-the-art facility is fully automated with MEI's ICS 480 system and ICS ControlPro which integrates directly with the Nutrien system.

"I'm not a computer guy. I was nervous about the computer side," Harris said. "They made it very easy to learn. We spent a day and a half training in Fort Wayne, and after installation, they gave us another half day. The next morning, we were already loading product on our own."

BENEFITS ACHIEVED

The new facility quickly delivered measurable improvements in efficiency and visibility. Semis are being loaded 20-30min faster. Instead of a single bay, they now have 3 – 2 manned and 1 unattended. Automation through ICS ControlPro has streamlined daily operations.

"I can see everything that's going on now—what we did the day before, who got what, and what we need to do next," Harris shared. "It's right there at my fingertips."

There are other operational benefits. Bringing in fertilizer by truck used to be a week-long process. Now with the railcar offloading, it can be reduced to 3 hours.

"This facility has now made me realize it's time to grow again." Todd Harris enthused. "The efficiencies and the speed have doubled. It's just all around better here for us."



The site features MEI turnkey solutions such as this Premix Tank System.



MEI's Turnkey Pump & Meter Stands automatically pull chemistry and/or micronutrients from mini-bulk tanks to add to the system blend.

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