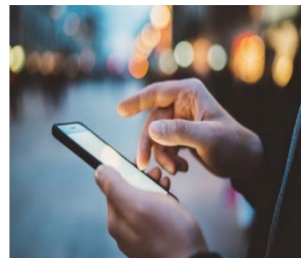
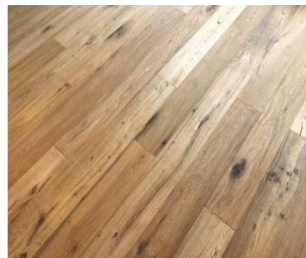


WALLINGFORD SITE OVERVIEW



Wallingford Site History

December 8, 1941

- 238-acre site
- Produce Coating Resins
- 110 Employees



Our Focus Areas to Make an Impact



- ✓ **In our plants** to drive energy management with a focus on renewables
- ✓ **In our labs** to create new polymers for low energy coatings solutions
- ✓ **In the market** to push chemistries which enable new efficient levels in green energy production & storage



- ✓ **In our plants** to achieve world-class efficiency levels on energy and material use
- ✓ **In our labs** to focus on circularity with new products with increasing shares of renewables
- ✓ **In the market** to push technologies for lower waste i.e. digital coatings heads



- ✓ **In our plants** to implement International Organization for Standardization (ISO) 50001 at all allnex production sites
- ✓ **In our labs & the market** to continuously revisit our product portfolio and benchmark against sustainability drivers to lower total energy demand

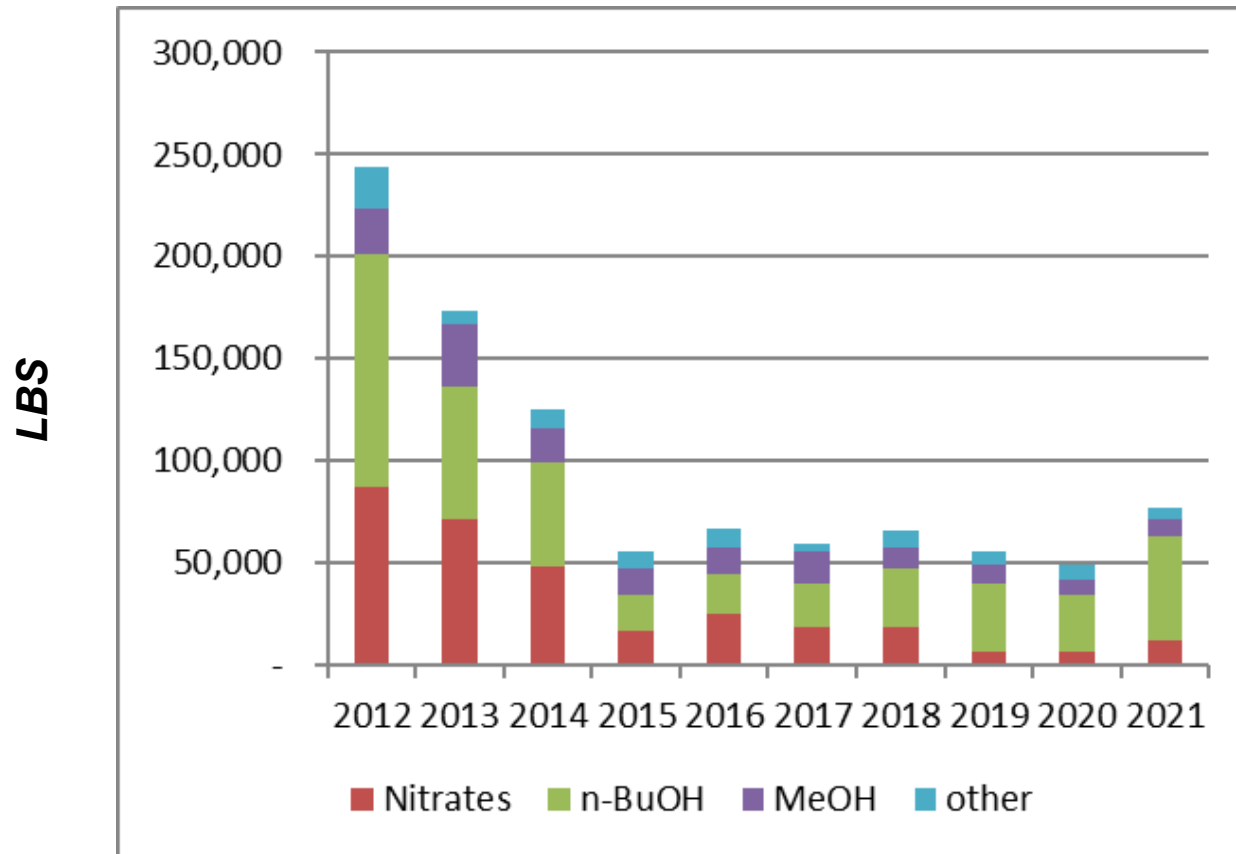


PTT Global Chemical Sustainability Focus

- 30% Reduction in Green House Gases (GHG) by 2030
- Netzero by 2050
- Dow Jones Sustainability Index - #1 globally past 3 years



Toxics Release Inventory (TRI)



- TRI Releases without off-site releases (i.e., disposal)
- 2021 increase due to new product line
- Process modification Capex Project to be implemented in 2023 to reduce this increase

The Installation



Wallingford Waste Water Treatment Plant (WWTP) Cover



BEFORE

AFTER



- Butanol-8% recovery
- 8%/80% Third Mixed Alcohol Recovery System (MARS) Distillation Feed
- Reduction of Urea
- Ammonia (NH₃) monitor
- NH₃ nutrient feed
- Aeration Basin Anaerobic Manipulation
- Cartridge Filters Building 5
- Floor Drains Plugged
- Internal containment 5
- Internal containment 6
- Upstream Total Organic Carbon (TOC)



- Voluntarily reduced TRI emissions by 80% since 2012
- Invested >\$3 million in capital to improve engineering controls to prevent releases
- Reduced power consumption by the equivalence of 3.1 million miles driven by an average passenger vehicle per year
- Reduced GHG emissions (from burning natural gas) by equivalence of the energy consumption per year of 166 homes
- Initiated Wastewater Effluent Reduction Project
 - Reduced from 1.2 million gals/day down to below 900,000 gals/day
 - Reduced Phosphorous effluent concentrations by over 90%
 - New Boiler will reduce Natural Gas usage by additional 10%

