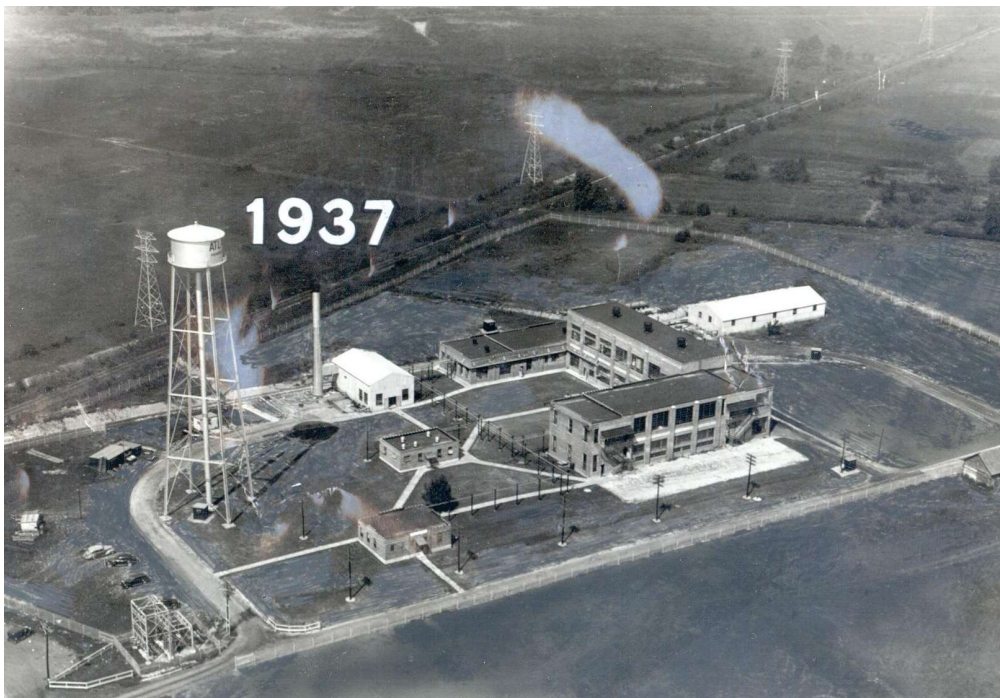


# Atlas Point

New Castle, DE

Public Permit Hearing  
6/29/2021



## Permit topics

- Vent Scrubber
- Hot well
- Furnace permit limits
- Steam Boiler

# T-330 Scrubber

- Scrubber removes ethylene oxide (EO) from off-gases from the EO storage tanks
- Emissions from the scrubber go to atmosphere
- Project would reroute the emissions so they go back into the process

# F-610 Hotwell

- A hotwell is a tank in which streams of hot water / condensed steam are collected
- The gases from these streams are currently vented to the atmosphere
  - The hotwell has not operated since last September, 2020
- Project would vent the gases to the existing Ethanol Dehydration Furnace
  - Where converted to small amounts of Carbon Monoxide (CO) and water

# B-1210 Ethanol Dehydration Furnace (EDF)

- F-610 Hotwell will be connected to the EDF, but will not significantly affect emissions profile of the EDF
- Permit updates will correct emission limits for the EDF
  - Emission limits in the Title V permit are incorrect
  - Emissions requested in permit application were already approved as part of the original Coastal Zone permit for the EO process and were included in original permit request
  - Croda agreed to offset the emission limit increases by 1.3:1 via reductions from other projects

# Boilers

- Boiler 3 is being replaced with a new, technologically improved boiler
  - Boiler 3 was from 1947
- New boiler will have emissions less than or equal to the Boiler 3 emission
  - NOX emissions will be significantly less
  - NOX reductions from this project will be used to offset the B-1210 NOX limit increase