

Air Products and Chemicals
Massena Facility
Consistency with CLCPA Section 7(3)
Updated August 13, 2024

Air Products & Chemicals, Inc (Air Products) is proposing development of the Massena Green Hydrogen Facility (facility) to harvest up to 70 metric tons per day (MTPD) of green hydrogen from water utilizing renewable power to be supplied by the New York Power Authority. The hydrogen produced will be distributed to customers via truck for use as a fuel source in place of fossil fuels, mainly for trucks and buses. The only potential facility-related greenhouse gas (GHG) and co-pollutant emissions from the facility are associated with (1) the emergency generators and the supplemental propane heaters to supply power and heat to process buildings, if necessary; and (2) the delivery via trucks of the green hydrogen to customers.

Since the location of the facility is in Massena, New York, a designated disadvantaged community (DAC), Air Products must implement an agreed upon mitigation plan consistent with CLCPA Section 7(3). The initial planned truck route went through tribal lands and truck emissions would release co-pollutants, such as particulate matter, that could potentially impact tribal members. Therefore, New York State Department of Environmental Conservation (NYSDEC) requested mitigation that directly benefits the St. Regis Mohawk Tribe Ahkwesáhsne community as well as the disadvantaged community in Massena.

The Ahkwesáhsne leadership and members of the tribal community have expressed concerns with trucks carrying hydrogen traveling through their land. To address this concern and mitigate the emissions of co-pollutants on tribal land, Air Products has rerouted the truck route to avoid all tribal lands. **Figure 1** provides the new route for trucks coming from or traveling to the east. The route does not affect any new DAC or environmental justice areas and avoids impacting the tribal lands. Every road is a designated truck route except the stretch of NY 131 to Pontoon Bridge Road. NY 131 has low traffic volumes (2,000 cars a day) and is classified as a minor arterial and should be capable of handling the truck load.

In order to address the co-pollutant emissions in the disadvantage areas in the Massena area, Air Products is working with both the Village of Massena and the Town of Massena to install a total of 4 charging stations in public parking areas within the Village or Town. These charging stations will consist of Level 2 chargers to provide charging capabilities for electric vehicles (EV) and electric-hybrid vehicles. These charging stations are expected to be purchased and installed within 12 months of NYSDEC approval of this Section 7(3) mitigation plan under Section 7(3) of the CLCPA and issuance of the Final SPDES Permit.

As previously proposed, Air Products still plans to plant trees throughout its property for both GHG uptake and aesthetic purposes as well as continue working with a truck manufacturer on the design of delivery trucks that can utilize hydrogen as a fuel source in the future. These

mitigation measures will not be realized until construction is completed and operation of the facility begins.

Air Products believes that the proposed mitigation measures, including rerouting of vehicles away from Ahkwesáhsne nation land, installation of 4 EV chargers throughout the Village and Town of Massena, planting trees, and eventually using hydrogen powered trucks in the future, meets the intent and requirements of Section 7(3) of the CLCPA. It is requested that NYSDEC review and approve this proposal and issue the Final SPDES Permit as soon as possible.