Hydrofluorocarbon Production Community Characteristics

NCEE

2/28/2021

## Characteristics of Communities with Hydrofluorocarbon Production Facilities

Hydrofluorocarbon (HFC) production facilities are identified as the 15 facilities reporting activities in 2019 under the Greenhouse Gas (GHG) Reporting Program (the most recent year available). The production facility community is defined as those Census block groups located within 1 miles of the facility location as reported in the GHG Reporting Program. Socioeconomic and demographic data is based on the American Community Survey 5-Year data release for 2019 (the most recent year available). Community cancer risk estimates due to air toxics exposure is based on the National Air Toxic Assessment (NATA) of 2018 (the most recent year available). The NATA estimates are only available at the Census Tract level.

The following table presents summary information for the production facility communities compared to the national average. For the production facility communities these values reflect a population weighted average across the Census block groups within the buffer distance of the facility.

|  |  |  |
| --- | --- | --- |
| Variable | National | Production Communities |
| % Minority [EJ Screen Definition] | 39.000 | 30.000 |
| Median Income [1,000 2019$] | 71.000 | 73.000 |
| % Below Poverty Line | 7.300 | 6.100 |
| % Below Half the Poverty Line | 5.800 | 5.000 |
| Total Cancer Risk (per million) | 32.000 | 48.000 |
| Trichloroethylene Cancer Risk | 0.081 | 0.052 |

In general, across all HFC production facilities the communities, based on the 1 mile buffer distance, are general the same as national averages across the socio-economic characteristics, but have a substantially higher cumulative cancer risk from air toxics. However, this result is driven primarily from the 0 facilities located in Louisiana in areas with elevated levels of air toxics emissions. The following tables separate out the community characteristics for the HFC production facilities outside Louisiana and inside the state.

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | National | Outside Louisiana | Inside Louisiana |
| % Minority [EJ Screen Definition] | 39.000 | 20.000 | 65.000 |
| Median Income [1,000 2019$] | 71.000 | 77.000 | 60.000 |
| % Below Poverty Line | 7.300 | 6.100 | 6.300 |
| % Below Half the Poverty Line | 5.800 | 3.700 | 9.800 |
| Total Cancer Risk (per million) | 32.000 | 32.000 | 100.000 |
| Trichloroethylene Cancer Risk | 0.081 | 0.053 | 0.052 |