

5. Flaring

Flares perform important **environmental and safety tasks**. Ground flares would manage start up, shut down and operational upsets, destroying about 99 percent of volatile organic compounds (VOCs) and other air emissions; these ground flares would be essentially invisible and inaudible offsite. While the facility also would include an elevated emergency flare, engineers believe that once the facility is in operation – the flare will be used during initial start-up as we calibrate equipment – we will not need to use it within the normal operational cycle. However, the elevated flare still will provide a critical safety device if, for example, the facility should experience a combination of events, such as a total power failure of both the regional electric grid and Shell's three onsite turbines. For additional information, please see the section of our air quality brochure titled "Minimizing Air Emissions."

6. Water Quality

We have designed the project to use **water efficiently**, including reuse and recycling of condensate; protect water quality through testing, treatment and monitoring; and created, enhanced and preserved in-kind habitats in the same watershed to offset impacts to streams and wetlands on site. The facility will meet all federal and state water quality standards established to protect public health and the environment. For additional information, please see our water quality brochure.

7. Traffic

Traffic will increase during the construction phase, particularly during an approximately two-year period around peak construction. After conducting traffic studies, Shell worked with PennDOT and local officials on **road improvements and traffic controls**. To further help avoid congestion, Shell plans to use river and rail for materials transport where practical and establish guidelines for scheduling, routing, safety training, vehicle inspections and more.

8. Land Reuse

Most of the site has seen long industrial use. The state approved a Shell plan, developed in accordance with Act 2, the Pennsylvania Land Recycling program, to improve and manage the environmental legacy of the site and Shell will serve as a **long-term steward** for the property. This included several areas already on the state's list for environmental remediation, but without previous responsible parties available to pay for their clean-up.

9. Noise, Light and View Shed

Shell conducted a number of studies to model these impacts on its neighbors. Most vantage points of the site will continue to offer an industrial view. In fall 2016, we began initial work on a revegetation program along the river where we had to clear trees during site preparation, and we plan additional site landscaping once facility construction is complete. We are building in noise suppression equipment and other measures to limit the impact on our neighbors during operation and continue to work with the community to address construction noise. Facility lighting is required for safety and security, but we have implemented a number of measures to **minimize external impacts**. Please see our community impacts brochure for more information.

10. Working Together

Shell is eager to continue **working with our neighbors** during construction and operation. To date, we have conducted open houses and topical meetings, made community and organizational presentations, and attended small group meetings, as well as responded to your emails, calls and questions.

Let us hear from you!

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