

SHELL'S PROPOSED BEAVER COUNTY PETROCHEMICAL FACILITY: YOUR TOP 10



At Shell*, our goal is to keep people safe, protect the environment and be a good neighbor. Our evaluation and planning for the proposed facility continues. In the meantime, we continue to share information about the project and listen to and address your interests and concerns. As part of our efforts to reach out to the community, we created an overview of the topics of most interest to our neighbors. More detailed information is available on our website, in our project brochures or by asking us directly.

1. Timing

No decision yet. If we do move ahead, total construction time typically is about **five years** from initial site preparation to full operations.

2. Economic Benefits

If built, the project would create **thousands of construction jobs** and **400-500 operational positions**. Shell and its contractors are eager to hire and buy locally. Overall, a Robert Morris University study found that the facility would inject **billions** into the economy over its lifetime.

3. Safety

Keeping people safe – our prospective neighbors, employees and contractors – is fundamental to everything we do – from facility design to ongoing training. At each step, we have people looking at how to design, build and operate this facility safely, and all our employees and contractors make a personal commitment to work safely, every day. Even at this early stage, Shell has been coordinating with local emergency responders to develop appropriate response capabilities. For additional information, please see our safety brochure.

4. Air Quality

Shell will meet the regulatory standards created to **protect people and the environment**. Because of the nature of the process and our facility design, we would emit relatively few hazardous chemicals and all at levels below what is considered protective of health.

Understanding the context of our emissions is key for the community being able to decide if it is safe to live near our facility. For example, our total permitted potential benzene emissions are 1 ton per year (although we would expect to actually emit much less). In certain doses, benzene can cause cancer so a ton may sound like a lot. However, in the concentrations that you would breathe it, the amount of benzene would be less than what is found in the country's most pristine areas. The risk of developing cancer by living near our facility is much less than your chance of being hit by lightning. For additional information, please see our air quality brochure.

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 may be needed during initial start-up – it would not be used within the normal operational cycle more than once a decade. 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 planned onsite turbines. For additional information, please see the section of our air quality brochure titled "Minimizing Air Emissions."

6. Water Quality

We are designing our proposed petrochemical complex to use water efficiently, including reuse and recycling of condensate; protect water quality through testing, treatment and monitoring; and create new wetlands to replace the streams and wetlands that we would impact on site. The facility would 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 would increase during a potential construction phase, particularly during the approximately two-year peak period. Shell conducted traffic studies and is working with PennDOT and local officials on **road improvements and traffic controls**. To further help avoid congestion and keep roads safe, 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. Shell is working with the state on a plan to improve and manage the environmental legacy of this site by providing a **long-term steward** for the property. This includes 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 predict these impacts on its neighbors. Overall, the view **would not change significantly** from most vantage points and we are building in noise suppression equipment and other measures to limit the impact on our neighbors. We would need lighting for safety and security, but we are working to **minimize external impacts**.

10. Working Together

Shell is eager to **work with our prospective neighbors** throughout the process. We 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. We plan to share what we've learned as part of our Impact Assessment later this year. Let us hear from you!

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