

MONAHANS



**FREEDOM
PROPPANT**

DELIVERING HIGH-QUALITY, API-COMPLIANT SAND FOR OIL AND GAS OPERATORS IN WEST TEXAS AND ACROSS NORTH AMERICA

The Freedom Proppant frac sand mine located in Monahans exceeds industry standards for safety, product quality, environmental stewardship, and water conservation with best-in-class efficiency and loading times.





Excavation and Primary Plant

- Scrapers and excavators perform the excavation and overburden removal as per detailed multiyear geological mine plan.
- The main function of the plant is to remove large rocks and organic materials.
- The primary plant was designed to be separated from the rest of the process to maximize the mining rate with optimal resources.
- The sand is transported via slurry to the wash plant to reduce heavy trucking, minimize air emissions, reduce employee exposure, and improve wash efficiency.



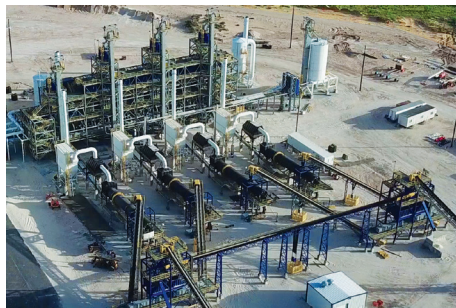
Wash Plant

- We use the most sophisticated equipment and efficient industry processes to ensure the sand is washed, removing all unwanted material.
- A combination of cyclones, hydrosizers, attrition cells, and dewatering screens separate the material into two grades at the most efficient rate with flexibility to maximize either grade based on demand, using the fluidized bed created by hydrosizers to enable effective separation.



Wet Stockpiles

- Two large storage buildings (two grades) were designed with a sophisticated and environmentally focused system to reduce air emissions, and maximize water conservation.
- A natural decanting system enables us to reuse the processed water within a closed-loop system.
- Two grade piles bring the flexibility to adapt daily to market and customer needs.



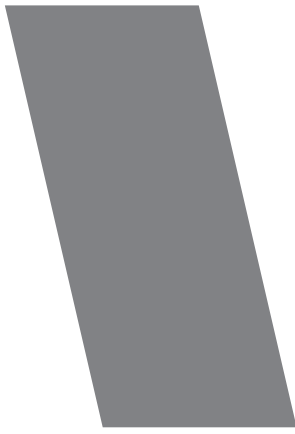
Dry Plant and Screen Building

- Best-in-class drying technology with full redundancy has been installed for product quality and reliability.
- An innovative and unique screening process using double-deck Rotex screens has been designed to exceed API standards and maximize either grade as required by the market and customers. This also enables rapid-response product switching if required.
- A high-efficiency dust collection system is installed in both dryers (bag house)



Storage and Load Out

- Up to 24,000-t storage capacity is available for loading operations.
- The six fully automated loading lines provide flexibility and efficient loading, aligned with a robust ticketing system to ensure the right product is loaded as required.
- The facility aims to exceed quality standards to ensure sand surpasses specifications at all times.
- Sand samples are collected through all stages of the process until storage, where a Certificate of Analysis (COA) is issued by day/silo/grade.



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