

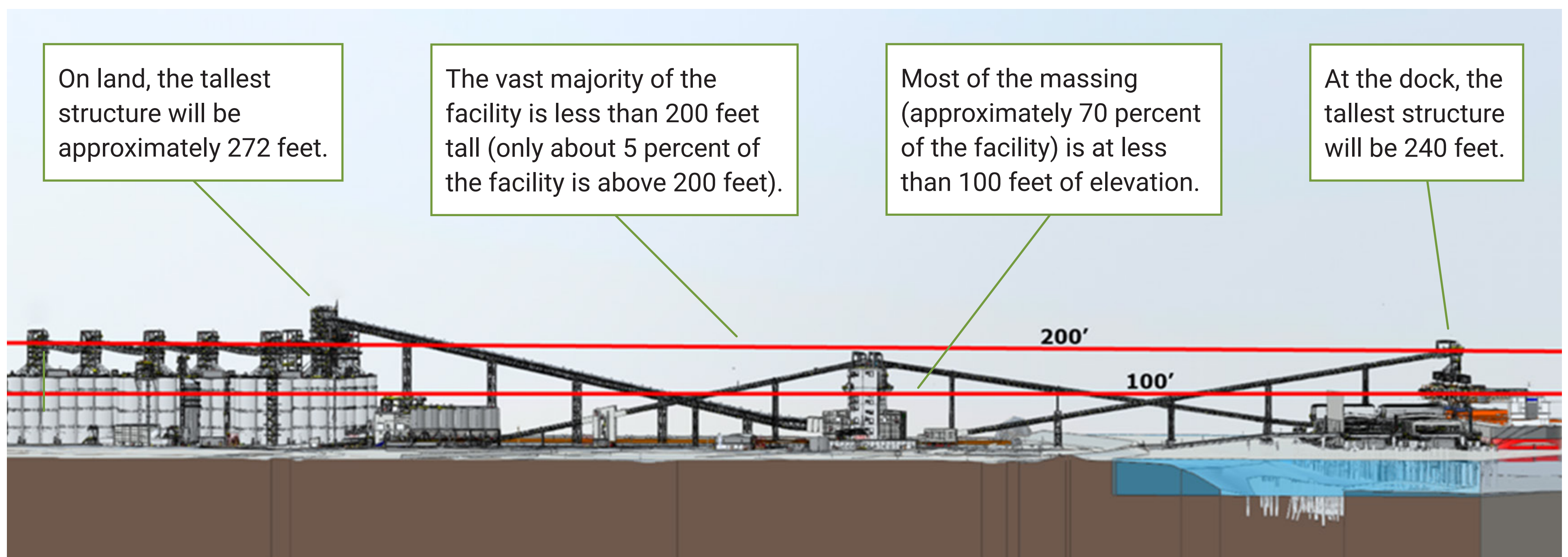


GREENFIELD
LOUISIANA, LLC

COMMUNITY RESOURCES

VIEWSHED

FACILITY HEIGHT



SCREENING FOR NEIGHBORING PROPERTIES

Greenfield will install and maintain ten-foot privacy fencing and will plant trees and shrubs for vegetative screening along the northern, eastern, and western property boundaries to avoid and minimize

visual effects to surrounding properties, including the Whitney Plantation, Evergreen Plantation, and Wallace community. Greenfield will monitor plantings to ensure that vegetation is established and maturing. Greenfield will also maintain trees and shrubs along the northeast side of the project site to avoid and minimize visual effects to homes east of the site.

NIGHT VISIBILITY

Greenfield designed the proposed facility to reduce the visibility of project lighting and worked with an engineer to help ensure that the position of lights and mitigation would create near zero "spillover" of lighting outside the boundary of the facility.



Aerial view, looking southwest

AIR QUALITY AND HAZARDOUS MATERIALS

DUST

Greenfield is serious about preventing grain dust. As the first new grain export facility built in the region in more than 43 years, the Wallace facility is designed to include modern technology to minimize fugitive dust.

All equipment is designed and will be operated to meet or out-perform all applicable emission standards. Greenfield's proposed grain facility was designed with specific attention to minimizing dust emissions across the facility. In fact, Greenfield's operations will produce significantly less airborne particulate matter than the current sugar cane farming use, which requires annual burning of the fields.

The U.S. Environmental Protection Agency (EPA) has recently proposed updated and stricter controls for grain elevators. Though those standards have not yet been adopted, Greenfield was designed to and will meet or exceed those standards from the moment it first operational.

Greenfield Controls

More than 120 independent dust collection systems across the facility	Barge unloading operations controlled with pneumatic dust conveyance systems with dedicated dust collectors
State of the art loading and unloading mechanisms	Barge unloading marine leg equipped with state of the art aspirated filters
Covered or enclosed conveyor belts	Rail unloading controlled with pneumatic dust conveyance with dedicated dust collectors along with baffled pit hoppers
Fully-enclosed and self-cleaning storage silos	Grain conveyor systems enclosed and vented to a dust collector (or baghouse) or point source dust filters
Digital Hazard Monitoring Systems to continuously and accurately monitor dust control systems	Ship loading operations designed with loading spouts equipped with skirts that conform to the top of the grain pile
Widened and reduced-speed barge unloader to minimize escaping dust	Spouts equipped with internal cones to control emissions



Fully enclosed belts for dust and noise reduction

AIR PERMIT

The Louisiana Department of Environmental Quality (LDEQ) issued a Minor Source Air Permit for the project on August 3, 2020.

HAZARDOUS MATERIALS STORAGE

Greenfield will not store on site any chemicals that would be used to treat or process grain; the operation will solely consist of grain storage and receiving/

shipping. The Wallace Grain Export Facility will use general janitorial cleaning supplies, oils, and lubrication products used for construction and operations, maintenance activities, and during construction. Appropriate storage (fireproof cabinets, secondary containment) will be used to store all such materials.

NOISE AND TRAFFIC

FACILITY NOISE

The Wallace Grain Export Facility intentionally utilizes equipment that has been specifically designed to minimize noise. For example, the fans that will be used to control dust are equipped with silencers. Experts analyzed how noise from the facility fan and filter equipment may be heard from areas within and near the site:

Areas	Maximum Noise Levels	Equivalency
Facility operating areas	70-79 dBA	Household vacuum cleaner
Facility boundary	40-49 dBA	Library
Nearest property lines (500 feet)	30-39 dBA	Suburban area at night
Nearby properties (2,500 feet)*	20-29 dBA or less	Whisper

*For reference, the Whitney Plantation National Register Historic District is approximately 3,000 feet from the facility.

RAIL NOISE

It is anticipated that overall noise activity on the rail loop will be minimal given that there will be no coupling or decoupling of rail cars. Greenfield will apply brakes on the last few cars of the train to keep the cars stretched out to assure minimal noise.

RIVER NOISE

Noise from existing river activities is largely blocked by the levee and trees. Therefore, it is anticipated that noise levels will continue to be similar to existing conditions with current barge and ship activity on the river, including an existing fleet at the Greenfield-owned barge.

TRAFFIC

The vast majority of the grain will be received via the river, which will help minimize traffic, and it is anticipated that only about one percent of grain will arrive via truck.

To prevent congestion in front of the property or at adjacent properties, the Wallace Grain Export Facility is designed with sufficient space for 50 trucks on driveways and roads within the facility to ensure that trucks are not backed up on River Road.

