



# A New Era In Frac Sand Transportation



Proppant Express Solutions, LLC (PropX) offers the latest technology for your last mile proppant logistics.

With our patent pending, optimized container size to maximize proppant volumes carried and the PropBeast<sup>®</sup> conveyor belt to automate proppant delivery while reducing silica dust and noise, there is simply no more cost effective, cleaner or quieter system available today.

- X** Haul more sand at a lower cost
- X** Pump more proppant per day than conventional methods
- X** Virtually dustless delivery to the blender
- X** Minimal noise compared with pneumatic blowoff
- X** Patent pending PropX Proppant Tracking Software

**PropX**  
**The Last Word in Last Mile Logistics**

For more information, contact us at  
sales@propx.com or at (303) 317-8950



# Silica Dust Testing with the PropX System

## PropX System

## VS. Pneumatic Blower



## OSHA FactSheet

### STANDARDS REQUIRE EMPLOYER TO:

1. Measure the amount of silica that workers are exposed to over an 8-hour day;
2. Protect workers from respirable crystalline silica exposures
3. Provide controls to limit exposure
4. Implement an exposure control plan
5. Keep records of worker's silica exposure

Respirable Crystalline Silica exposure to activities that support oil and gas operations.

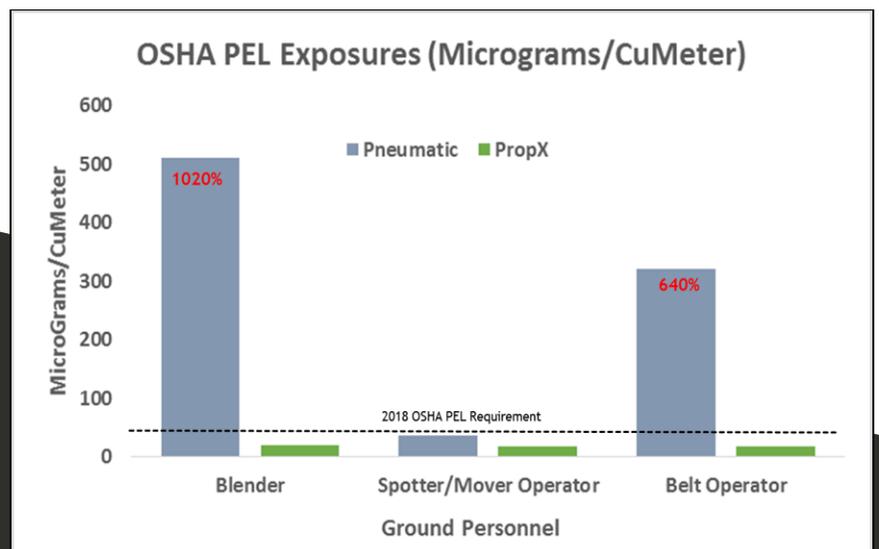
> JUNE 23, 2018 < 50µg/m³

> JUNE 23, 2021 Engineering Controls in Place



Liberty Mutual  
INSURANCE

AIHA Accredited Laboratory performed testing December 2016  
June 2018 standard for hydraulic fracturing is 50µg/m³  
(actionable at 25µg/m³ June 2021)





# Tired of the Steady Drip, Drip, Drip of the Demurrage Clock Ticking?

These two images below are of pneumatic “air cans” lined up at a frac site in the Permian Basin and were taken 1.5 hours apart. As can be seen, the line of trucks waiting to blow off is steadily growing. Assuming 45 minutes up to 1 hour to blow off their load, this will be quite a wait for the truckers who are in this line to unload and head back for their next trip. The result is truckers who make fewer trips per shift with resulting lower pay per shift and also with service companies and ultimately operators paying more for sand due to standby/demurrage charges.



Compare the first two images with PropX's containerized delivery system below for frac sand which changes the game. Each truck delivers the same amount or even more sand per truckload than do pneumatic trailers and does it much more efficiently. A standard flatbed trailer carries two PropX containers containing a total of 45,000# up to 60,000# of proppant, depending on road weight restrictions in the area. These two containers are offloaded at the wellsite and replaced by two empty containers and the driver is on the way back for his next round trip in 5 to 10 minutes, saving the traffic jams of air cans backing up when using legacy pneumatic blower delivery systems.



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[WWW.PROPX.COM](http://WWW.PROPX.COM)

# Cheaper Faster Greener...



## Who/What:

PropX is a containerized solution for “Last-Mile” proppant delivery. We are focused on building a partnership that first and foremost saves our customers money while dramatically decreasing Silica exposure, truck traffic and noise. The PropX business model is designed for flexibility to meet the unique needs of our clients in all areas of their frac sand logistics.



## Why:

PropX was designed to achieve an environmentally friendly scorecard that complies with upcoming OSHA regulations. We eliminate pneumatics and implement an innovative trucking method run by either the service company’s experienced and established logistics team or the PropX logistics team. The PropX solution pays for itself by lowering the cost of “Last-Mile” trucking which can amount to 1/3 or more of the total cost of proppant delivered to the wellsite.



## How:

PropX saves money on the bottom line. We are able to haul more proppant per load while reducing the flat rates per roundtrip from the transload to location. We reduce the amount of truck trips required to deliver the same amount of proppant to location. By eliminating demurrage costs and utilizing standard flatbed trailers for transporting multiple PropX containers at once, the cost per mile per pound of sand is lower and the standby costs disappear entirely.



## PropX Smartphone App:

The complete PropX solution utilizes our proprietary smartphone and desktop application that utilizes unique QR codes time stamped at each step in the “Last-Mile” delivery process. The data generated allows for the user to continually analyze the tracking information to improve operational efficiency. The PropX app provides unrivaled logistics Intel that helps to continually improve your Last-Mile process.



## The Need for Speed:

One customer using PropX containerized delivery recently pumped 9.3 million pounds of sand in a 24 hour period with one frac spread. This customer recognized an immediate efficiency gain and benefit to the operation by cutting the days needed to complete the pad. This improvement ultimately saved significant money for all parties involved. In addition to the cost savings and HSE benefits, the PropX app is available to streamline financial reporting and analysis of this revolutionary new proppant transport system.

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