SPONGE-JET®

Oil and Gas Approvals/Accolades

Top Petro/Chemical, Drilling and Processing Companies Specify and use Sponge-Jet

The Sponge-Jet low dust and low rebound technology is an integral part of improving production efficiency, drastically reducing maintenance shutdowns, while protecting the workplace and the environment.

- **Reduce shutdown**
- **Blast near other trades and operating equipment**
- **Extend coating life; lessen future maintenance and downtime**
- **Achieve workplace health and safety goals**
- **Increase the reliability of rotating equipment and compressors**
- **Limit over-blasting and rework**
- **Reduce transportation and disposal costs by recycling**
- **Profile up to 125 microns**

ExxonMobil

Acceptance and implementation of PAB is recommended by the pipe work group

- PAB (Pliant Abrasive Blasting) or Sponge-Jet, is identified as an attractive alternative to handtool and power tool cleaning.
- Using pliant abrasive blasting versus power tool cleaning increases coating life 200 to 700%.
- Compared to garnet blasting, dust control is simplified (no boxing in structures).
- Intrinsic risk of eye injury is reduced
- Work conditions in adjacent crafts/units are improved
- The net savings with pliant abrasive blasting compared to hand-tooling for insulated piping is 42.16% and 26.47% for non-insulated piping.
- PAB will save even more by reducing replacment and increased safety. We see a large amount of steel replacment due to use of handtool or power tool cleaning

Using the Sponge-Jet system enabled other trades to keep working while blasting is being carried out.

bp™

- Safety and Environmental Control departments are very impressed with no lost time accidents during the shutdowns due to grit/foreign bodies getting into people's eyes.
- The speed of clean-up operations is dramatically faster than grit blasting and the area is clean enough for plant inspection to be carried out immediately after blasting.
- The preferred method for most Engineers running a shutdown.

Pemex's Department of Norms and Specifications:

PEMEX™

In the "Coating and Protective Systems for Metals" specification report, the Department of Norms and Specifications suggests that "wherever dust restrictions apply, use alternative methods as Polyurethane foam with abrasive particles."

Technical Report for Abrasive Blasting on Platform P-VI, Tank TQ-34:

BR PETROBRAS™

"An effective reduction of labor force of 60% was confirmed in comparison to the other abrasive processes... reduction of labor force refers to the night shift responsible for the disposal of residues."

Sponge-Jet Customers...

PETROBRAS	Chevron	ExxonMobil	PEMEX
SARAS	Petronas	Refineria Isla SA	BP Oil
Caribbean Methanol Co		PDVSA	
REPSOL YPF	Shell Oil		

Sponge-Jet Applications...

- Stripping distillation tower interiors/exteriors
- Preparing erection and annular tank weld seams
- Removing Corrosion Under Insulation (CUI)
- Profiling/paint preparation of new structural steel and rust removal of old structural steel
- Removing iron-stained grinding residue from stainless structures
- Removing failed coating and corrosion on floating roof-top tank covers
- Cleaning coke or burned residue from boilers
- Sponge blasting heat exchange condensers, pump stations and gassifiers
- Spot-blasting pipeline externals; undergroup and arial applications