

Case-study-2

COMPANY:	Confidential
ADDRESS:	GAS PLANT
CITY, ECT	TEXAS
INDUSTRY:	NGL
POLLUTANT REDUCED	PROPANE
PROCESS	COMPRESSORS (UNDER EPA- KKK MONITORING)
CONTACT PERSON:	
CONTACT PHONE:	
CONTACT E-MAIL	

What factors drove you to undertake this project?

We added two compressors under the monthly monitoring program with a leak definition of 10,000 PPM. They were exceeding the limit from around the crankcase breather area and the packing case high pressure vent line.

Tell us how you reduced the pollution:

We installed the ERS Bio-Filter system in April of 2006. The process was simple, new cover plates were installed over the distance piece area with (1) 1 1/2" npt hole for the filter plumbing and (3) 1/4 npt holes for relief valve and inlet, outlet connections. The G-5 Bio-Filter reduced the emissions to below 500 PPM and has maintained those readings for over 2 years with an average flow rate of .053 cfm.

Innovative Application of Technology:

Emission Reduction Systems have developed this Patent and Patent Pending Technology and the outstanding results have kept us in compliance every month since the installation

Environmental Benefits & Reductions Achieved:

Substance Reduced:	Propane
Amount: (average)	From 80,000 ppm to less than 500 ppm
Unit:	Worthington and Ariel Compressors
Type of Pollutant:	VOC
Savings:	\$20,000 to \$25,000 for Flare System

Overall Savings:

Payback period	6 Months
Disposal Cost savings	\$4500.00 (vacuum pump)
Down time for maintenance	\$6,000.00
Reduced regulatory requirements	No additional paper work for flare
Reduced Hazards	LEL

This Technology was invented by Emission Reduction System located in Odessa, Texas

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Mike Strickland / mike@ersbiofilter.com
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U.S. Patent No. 7,951,226 (patented process for pumps)
Patents and Patents Pending
ERS has multiple systems for various emission sources available.