

AmiPURSPECTIVE

FOR CHEMICAL RECOVERY & INDUSTRIAL CHEMICAL PROCESS PROFESSIONALS

A newsletter published by ECO-TEC INC • AMIPUR • VOLUME 07 ISSUE 03

PEMEX to Improve Amine Circuit Operation!

Six AmiPur Systems to be Installed at PEMEX Facilities



PEMEX Gas y Petroquímica Básica has recently taken steps to ensure the quality of its gas products, while reducing maintenance and operating costs at two of its gas treatment facilities: Nuevo PEMEX and Cactus in Tabasco state, Mexico.

The key aspect of the improvements is the installation of six Eco-Tec AmiPur units to provide continuous reclamation of amine circuits used for sour gas processing. Each circuit consists of 250 m³ of DEA which have been experiencing unacceptable maintenance and operating costs to maintain sulphur removal performance. The root cause of PEMEX's challenge was the severe corrosion of the amine treatment equipment by Heat Stable Salts and in particular, Bicine. After reviewing alternative solutions, and also on the recommendation of its amine supplier, PEMEX decided to install continuous amine reclamation systems.

The Eco-Tec AmiPur units will continuously and economically remove the Heat Stable Sales and Bicine from the amine circuits, resulting in a significant reduction in corrosion and its associated maintenance costs, while ensuring continuous optimal performance.

The AmiPur units have been purchased and will be integrated into the PEMEX facilities by Eco-Tec's distributor in Mexico, **Equipos Industriales Del Golfo S.A. de C.V. (EIGSA)**. The systems are expected to be operational in early 2007.

About AmiPur

AmiPur, a name easily recognized by amine gas treatment facilities worldwide, utilizes a patented ion exchange process, Recoflo[®], that removes anionic impurities from amine gas treating solutions.

AmiPur utilizes an extremely small ion exchange column in a package that is:

- Skid-Mounted
- Fully Automatic
- Pre-Assembled
- Pre-Tested

Since 1998, AmiPur has provided consistent, reliable, gas treating with a reduction in maintenance costs while optimizing sulphur and carbon dioxide removal efficiency.

To learn more...Please Contact Us for your AmiPur Information Package TODAY!



Continuous Removal of Heat Stable Salts and Bicine

Please review the Technical Papers listed below for more information on the impacts that continuous Heat Stable Salts and Bicine removal have on Amine operations. These papers can be downloaded from our website at www.eco-tec.com.

Technical Paper 151 - *Impact of Continuous Removal of Heat Stable Salts on Amine Plant Operations*

Technical Paper 157 - *Removal of HSS*

Technical Paper 166 - *Continuous Heat Stable Salts Removal from Amine Solutions*

Technical Paper 174 - *The Effects of Bicine Removal of CO₂ Only Amine Treater Service*

Recent Start-Ups:

PT Arun NGL
Indonesia
Started-Up July 2006

Upcoming Start-Ups:

Kinder Morgan
Michigan, USA

Chevron Products Company
California, USA

Williams Energy
Colorado, USA

About Eco-Tec

Incorporated since 1970, Eco-Tec, Inc. is an award-winning, globally recognized manufacturer of water purification and chemical recovery systems for industrial operations.

Eco-Tec, Inc. provides proven integrated technologies based on its patented RecoFlo® advanced ion exchange process, that offers significant cost reduction and superior process efficiency.

Eco-Tec designs systems integrating advanced ion exchange, heat exchangers, and more, depending on the customer's needs. Eco-Tec has provided more than 1500 systems in over 52 countries, and is represented in all major markets.

Contact Us TODAY to request your AmiPur Information Package!



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