

NuAir™ Emissions Control System for Vacuum Oil Processors

fact sheet

All vacuum oil processors (VOPs) emit air contaminants such as ethylene when processing used transformer oil containing dissolved combustible gasses. As transformers age or experience insulation breakdown, they emit these gasses. During oil processing of these transformers, these contaminants are exhausted through the vacuum pump.

In most states and provinces, the amount of emissions do not exceed regulatory thresholds; however, in places such as California and Ontario, Canada, these emissions are more tightly regulated creating the need for additional emission controls for VOPs.

GE's NuAir Emissions Control System for VOPs reduce contaminants by 85% over more traditional controls. That means that GE processors are suitable to operate in areas with tight emission controls.

NuAir Emissions Control system



Government Action

Although many transformer owners or VOP service providers have not yet discovered that emission controls are required, that is likely to change as more EHS personnel examine the regulations in detail. In addition, government air quality personnel are becoming more proactive in their enforcement of existing regulations.

In addition to three operating units, GE is in the process of converting four additional VOPs to the NuAir Emissions Control System. These units will be operational by the end of 2011. A patent application for this system has been submitted.

Opportunity

GE has retrofitted NuAir systems on two VOPs to service California and one VOP to service Ontario, Canada. All of these systems comply with local standards. Work has already been completed at several sites.

In addition, GE has taken steps to contact all government air quality districts in California and Ontario, Canada to obtain permits where required while others have not yet started this process. With the addition of emission controls, GE can now operate without permits in several California air quality districts and has received permits to operate in several others. GE is working to obtain full legal approval for the remaining air quality districts in California and Ontario, Canada.

For more information, contact your local
GE Energy office.

call 1-888-GE4-SERV or 540-378-3280,
or visit www.ge-energy.com/industrial

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