

# THE AMLON RESOURCE

THE SOURCE FOR RECOVERY, RECLAMATION, & ENVIRONMENTAL MANAGEMENT

NOVEMBER 2013

## TEXTBOOK RECYCLING

By Amlon Resources Group

Amlon has authored four separate articles on various facets and issues associated with spent catalyst reclamation in BIC Magazine throughout the course of this year. We felt it would be of value to our many clients to have easy access to these important and beneficial discussions. Here follows a synopsis and links to those articles:

### APRIL 2013: Optimizing Spent Catalyst Recycling Is A Tricky Business

Amlon Resources Group provides solutions. A catalyst manufacturing company needs recycling for catalyst fines from a Middle East operation. A hydrogen plant gets decommissioned and has six different types of catalyst for disposition to five different reclaim sites. An oil refinery has hazardous waste catalyst with unknown metal content and wants to weigh recycling cost versus disposal cost. In these cases and many others, Amlon Resources Group has provided catalyst recycling services along with environmental and logistical expertise to give cost-effective solutions to the customer and the company has been doing so for more than 30 years...

Read the remainder of the article here..... [http://epubs.democratprinting.com/display\\_article.php?id=1356233](http://epubs.democratprinting.com/display_article.php?id=1356233)

### MAY 2013: Know How To Move Your Spent Catalyst

Amlon Resources Group has more than 30 years of expertise in moving spent catalyst around the world. There is a great deal of know-how necessary to move materials across international borders. This is especially true for transport of spent catalyst. Spent catalyst can contain a number of different hazards and some of these only come into play when shipping long distances (i. e., marine pollutant). It is very important to understand the many varied regulations when shipping spent catalyst across borders. Even state to state shipments can be tricky in some instances. Some states, like California, consider various spent catalysts as being hazardous while within state borders, but once leaving the state, it is not always considered hazardous, depending on where it ships and what it contains...

Read the remainder of the article here..... [http://epubs.democratprinting.com/display\\_article.php?id=1393056](http://epubs.democratprinting.com/display_article.php?id=1393056)

### AUGUST 2013: Following The Spent Catalyst Paper Trail

There is extensive documentation required in shipping spent catalyst. From sample documentation to profiles to shipping papers, whether product or waste stream, it is important to understand the intricacies and significance of the paper trail created. In classifying materials, lab analyses, material safety data sheets and/or other documents may be necessary. Spent catalyst samples are often sent to off-site laboratories requiring appropriate paperwork identifying the sample material and any hazards associated with handling and transporting the sample...

Read the remainder of the article here..... [http://epubs.democratprinting.com/display\\_article.php?id=1468213](http://epubs.democratprinting.com/display_article.php?id=1468213)

### NOVEMBER 2013: Spent Catalyst — Knowing Where To Go

In dealing with metal-bearing spent catalyst, metals reclamation is one solution. There are a number of different metals reclamation options for these materials and finding the appropriate one can be challenging. If the catalyst is hazardous waste, which includes all spent hydrotreating catalyst from refining operations, it must go to an appropriately permitted facility. There are a number of these facilities in the United States and some generators even choose to export the hazardous waste as is. Amlon Resources Group covered many of the shipping issues in its August article for BIC Magazine. If the catalyst is not hazardous waste, the choices can be even trickier as many recyclers do not have specific permits. Also, there are some facilities that only preprocess materials, making them suitable for their final consuming destination. The task of examining and understanding these many varying options can be daunting...

Read the remainder of the article here..... [http://epubs.democratprinting.com/display\\_article.php?id=1542426&id\\_issue=180564](http://epubs.democratprinting.com/display_article.php?id=1542426&id_issue=180564)

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**SPENT CATALYST  
RECYCLE & RECLAMATION:  
YOUR COMPLETE RESOURCE**

The Amlon Resources Group, specialists in recycling and metals reclamation, offers today's generator of industrial by-products, wastes, and recyclable materials a complete spectrum of environmental stewardship, logistical support services, and proven dedication to meet your most demanding spent catalyst requirements.


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