



CIA Inspection Inc.

Volume 2, Issue 3

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The Profiler

A NEWSLETTER OF INFORMATION FOR COKE DRUM OPERATORS

“One-Stop-Shop” for Coke Drum Reliability

Using CIA Inspection as a consistent, reliable and repeatable service to track and trend coke drum distortions represents a responsible way to manage the inconsistencies of delayed coke drums.

The regular use of our laser profiling service combined with the API remote visual inspection, that we perform on each vessel is a very cost effective way to identify, in advance, trends which will ultimately lead to failures.

For the past seven years, CIAI has been performing remote on-line inspections of coke drums. We have evolved from the relatively simple process of collecting profile data to include sophisticated analysis, interpretation and presentations.

With a history of over 250 drum scans, CIAI has amassed significant databases for each metallurgy in order to establish trending information.

To further our ability to assess and evaluate the findings of our inspection service, CIAI will be forming an alliance with Chicago Bridge and Iron Company (CB&I) and Stress Engineering Services Inc. (SES) to provide a “one-stop-shop” for coke drum reliability.

Through partnering with these various industry experts, CIAI will be able to provide a package that strengthens our ability to deliver an all-encompassing coke drum reliability program.

This will include:

- the initial benchmark scan;
- recommendations on repair/replace;
- recommendations on improving quench cycle;
- end of life assessment.

Some further follow-up services will include:

- maintenance of graphical, CAD based inspection and repair maps of coke drum histories;
- installation and monitoring of strain gauges and temperature indicators;
- development of weld repair procedures;
- recommendations for repair/replace decisions as well as repair options including patch and course replacements;
- capability of weld repair consultation and/or supply on-site welders skilled in repair of coke drums.

For more information on this industry alliance for improved coke drum reliability, please contact Rick Clark (CIAI) at 905-692-3678, Bobby Wright (SES) at 281-955-2900 or Coby Stewart (CB&I) at 505-771-0030. You can also visit our web site a www.cia-inspection.com.



Happy Holidays to all!!!

We at CIA Inspection would like to wish all our customers and their families a very happy and safe holiday season.



We look forward to continuing our coke drum reliability program with you in 2001!



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Inside this issue:

“One-stop-shop”	1
Holiday Greetings	1
CIA's new safety initiative	2
Coking Corner - Worldwide	2
Web site update	2

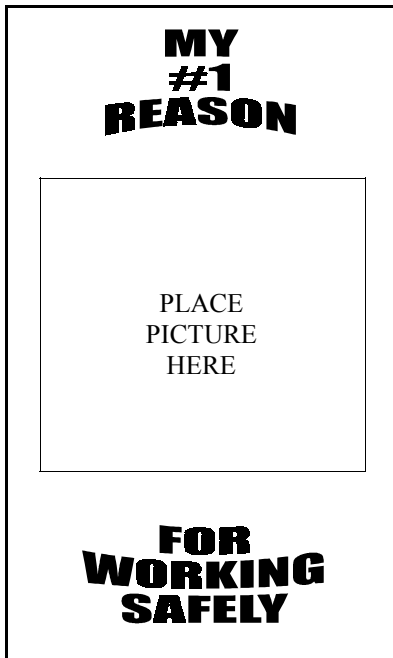
CIA's New Safety Initiative Badge

As part of CIA's inspection work, we sometimes spend as much as two full days doing safety training for each site where we perform our coke drum inspection service.

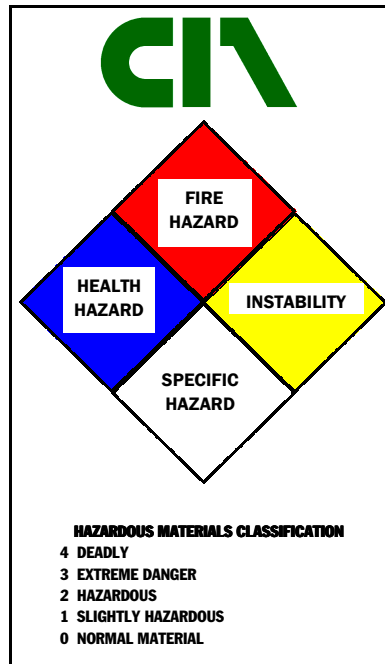
To date, CIA has a zero incidents record and we plan to keep it that way. During an inspection, we came across a safety program that we really liked and have adopted this program as our own.

An essential part of this program is the safety badge that our employees wear to reinforce safety and what it means. We place a picture of someone or something important to us in the front of the badge to remind us why we work safely. We encourage all refinery personnel and contractors to develop and maintain a similar type of program. Please ask us for your safety badge at the next coke drum inspection.

Front of Badge



Back of Badge



Web Site Update



If you haven't checked out our web site lately - you should!

We've added more industry papers, conference papers and general information on coke drums. We always welcome your comments!!! You can find us at www.cia-inspection.com.

We will also be sending our newsletter via e-mail. If you would like to receive it electronically, please e-mail jcameron@cia-inspection.com and we will add you to our list.

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Coking Corner - Worldwide High Sulfur Coke Demand Overview

