Implementing Instrument and Process Control Mechanical Integrity and Reliability Improvement

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ABSTRACT

Companies that master instrument lifecycle data management and implement improvement actions based on consistent data analysis practices have the opportunity to add millions of dollars to their annual operating income while at the same time improving operational safety. Consistent practices in data management and analysis are also an expectation of OHSA PSM. Industry Performance vs. Expectations One of the OSHA NEP findings is that companies have a lot of plans, programs, procedures, and documents, but do not seem to be implementing much of them in a quality manner. Without strong leadership at the executive level and personnel invested in data/information quality at the plant level, companies will not be successful in closing these findings. During the 4th quarter of 2010 SIS-TECH Solutions initiated an end-user survey to gauge actual performance against world class performance metrics published in the Materials Technology Institute (MTI) Instrument Reliability Manual. The results of the survey indicate some significant gaps and cause for concern in regard to actual performance vs, what is considered world class performance. Closing the Gaps

This paper will detail some of the gaps identified and efforts currently underway to close those gaps including establishment of an industry instrument mechanical integrity and reliability leadership network, improving work process interactions and means to identify and address gaps/leading indicators in operating companies.