



The Rare Earths Company

Molycorp Minerals begins marketing new Arsenic removal technology for mining, smelting and other industrial applications.



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Greenwood Village, CO – Molycorp Minerals, LLC announced today that it has begun marketing its new patented XSORBX[®] ASP – Arsenic Sequestration Process for the removal of arsenic from industrial process streams. “ The XSORBX[®] ASP, which is radically different from any other arsenic removal technology on the market, will have broad application in industries where arsenic is a problem. However, in certain specific industries like nickel mining and smelting, we expect it to be game-changing technology, providing major competitive advantages” said Molycorp Minerals CEO, Mark A. Smith. Smith went on to note that the XSORBX[®] ASP coupled with Molycorp Minerals’ ASM[™] 100 Arsenic Sequestration Material, is a cost effective technology to remove arsenic quickly, efficiently and effectively from aqueous process streams and sulfide mattes with very modest capital requirements for implementation.

Utilization of the process to remove arsenic in nickel mining and smelting operations is expected to improve metal recovery rates and allow processing of lower cost feedstocks which could not previously be processed because of their arsenic content. The process will also decrease the cost of dealing with the arsenic-laden waste materials and reduce the overall environmental footprint of the operation.

According to Chief Technology Officer, Dr. John Burba, who headed the team that developed the new technology, arsenic in the process stream is brought into contact with, and binds tightly to, the ASM[™] 100 sequestration Material during the XSORBX[®] ASP process. The sequestration capacity of the ASM[™] 100 sequestration Material is vastly superior to anything else currently available. The reaction kinetics are near instantaneous and the arsenic is then removed from the system along with the sequestration Material. Because the XSORBX[®] ASP is so efficient, the total volume of arsenic-laden waste material requiring handling and disposal can potentially be reduced by as much as 70% compared to other methods for arsenic removal. In addition, because the arsenic binds so tightly to the ASM[™] 100 sequestration Material, the sequestered arsenic may qualify for

disposal as non-hazardous waste, depending on the exact content of each customer' s specific waste stream. Dr. Burba also stated that the XSORBX® ASP operates in a wide range of environments and can be readily adapted for customer specific requirements.

For more information on this new technology, please contact Molycorp Minerals at +1 303 843 8043 or email sales@molycorp.com