

## **Presentation: Rare Earths**

By: Andy Chan

### **Abstract**

Rare earths are a group of 17 chemical elements consisting of yttrium and 15 lanthanide elements. Scandium is often found in association with most rare earth deposits and sometimes classified as a rare earth element. From the 1980s China has dominated the rare earth industry. However over the past few years the rare earth market has been thrown in a volatile state when China introduced quotas to restrict the export of rare earths. Many different projects have “sprung” up recently as a result of a restriction of rare earths from China. This presentation will briefly look into at reasons for China’s restriction and current markets that are reliant on rare earth elements (focusing on the rare earth permanent magnet industry).

### **Biography**

Andy Chan graduated from B.Sc.E in Mining Engineering at Queen’s University in 2010. During the summer periods Andy has worked at Freeport McMoRan in Safford, Arizona and Mitsui Canada in Toronto, Ontario. During his stay at Mitsui he has worked on research and compilation of data on mining projects in various exploration stages that meet the Company’s investment objectives. Andy is currently enrolled in the M.A.Sc program at the Robert M. Buchan Department of Mining.