

---



---

**MEMORANDUM**

---



---

**DATE:** THURSDAY, 05 AUGUST 2010  
**TO:** SERGEY TITENKO  
**CC:** DMITRI LEGEYDA, DAVID ROBERTS  
**FROM:** ROY FRANCIS  
**RE:** WOODIE WOODIE ORE SPECIMENS FOR UKRAINE ORE SORTING

Sergey,

Samples from the Woodie Woodie Mine has been prepared and placed into 3 (three) white plastic buckets, labelled "1 of 3", "2 of 3" and "3 of 3":

Bucket 1 of 3:

6 x control samples (as tabled below) in green sealed plastic bags numbered Ukraine 1, Ukraine 2, .....Ukraine 6;

2 kg of high grade manganese particles in a cloth bag;

2 kg of low grade manganese particles in a cloth bag.


Bucket 2 of 3:


20 kg of +26.5mm particles collected from a known stockpile.

Bucket 3 of 3:

20 kg of (+6 mm – 26.5 mm) particles collected from a known stockpile.

Six control samples were collected to assist during the ore sorting activity. Shown below are images and the respective chemical analysis for each sample.

Sample	Image	Mn (%)	Fe (%)	SiO <sub>2</sub> (%)	Al <sub>2</sub> O <sub>3</sub> (%)	P (%)	Pb (%)
No. 1 High Fe		1.6	57.6	11.8	0.32	0.086	0.02

No. 2 High Fe		1.2	36.0	40.1	2.73	0.159	0.02
No. 3 High Mn		55.6	1.2	5.3	0.23	0.021	0.03
No. 4 High Mn		52.3	9.2	0.6	0.27	0.053	0.02
No. 5 High Mn		61.0	0.9	7.4	0.07	0.013	0.03
No. 6 High Fe		2.5	55.5	3.0	1.28	0.173	0.01

If you have any questions regarding these samples, please do not hesitate to contact me or Dmitri Legeyda

Regards



Roy Francis