

Peer Review Comments: *State-of-the-Art Monitoring Equipment*

Success Criteria	Comments
Does this represent effective HS&E practice or can you see major technical flaws?	No major technical flaws, however the monitoring techniques provided are focused on environmental monitoring. Does the author have any information concerning personal monitoring techniques or equipment?
How suitable is this tool for use by a small or medium enterprise? (assume they can hire a professional resource if necessary)	The document provides a good overview of sampling equipment available. Due to the cost, most small to medium enterprises would have to hire a consultant to utilize this equipment.
How relevant do you think this tool is to nanotechnology? (some of the tools have been adapted from other issues e.g. handling respiratory allergens – in these situations do you feel it may be non or poorly applicable to nano?)	Very relevant
Is there anything that could be added to this tool to make it more effective?	All cost associated with the equipment are given in Euros and US \$. These were supplied in mid 2006.
Please supply a short (3-5 sentence) summary that we may post with the tool on the compendium. Indicate what the tool delivers, how effective you think it is and any major limitations.	“State of the Art Monitoring Techniques” provides an overview of monitoring and analytical techniques for evaluating particles in the nanoparticle size range. The direct reading instruments are categorized by the following measurement metrics; mass, number; and surface area concentrations. Information is also provided for equipment to collect and characterize nanoparticles. The equipment reviewed is more suited for environmental/area samples.