

Traceability

Wednesday 7 March 2012 11:45 (30 minutes)

Review the motivation and objectives of a traceability system, taking from internal motivation, industry standards and regulatory requirements on our partners in recycling industries and final repositories.

Review of the existing system and procedure for traceability of equipment and materials, with presentation of the TREC tool, as seen by users currently using the system, ie presentation of experience and lessons learnt. Is there room for change or optimization? Eg. What are the benefits of local buffer zones vs. a centralized area for sorting and measurement? Could this improve on the way that people handle/collect their equipment? What would be the overall benefits/drawbacks of a centralized buffer zone -> requires feedback from the equipment groups.

Traceability is also important for equipment design (maintenance, repairs...), procurement and actual composition of equipment and installations. This feeds into the Safety Documentation. The goal here is also linked to the ALARA principle with reduction of interventions (number and duration, with impact on Safety as well as operability), reduction of dose to personnel, reduction of activation of equipment (impact on availability for repairs and spare parts), reduction of ultimate waste volume, weight and specificity (difficult isotopes). In order to help engineers with this, guidelines for "safe" materials are being prepared, and best practice handbook could also be assembled and shared. This will be helped with appropriate Safety Documentation.

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