

**From:** Rich Moss <rmoss@scientech.com>  
**To:** Eric Lardiere <ELardiere@wkr.com>  
**Date:** Fri, Aug 12, 2005 5:00 PM  
**Subject:** Whittaker Project Status Report July 2005

The attached report describes the project activities conducted by Scientech during July 2005.

Please let me know if you have any questions or would like additional information regarding these activities.

Regards,  
Rich

--  
Richard D. Moss CSP  
Project Manager, Radiological Decommissioning Services  
Scientech Inc.  
143 West St.  
New Milford, CT 06776  
Office: 860.210.3067

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**CC:** Leonard Geraci <Leonard.Geraci@AIG.com>, Roger Pennifill <Roger.Pennifill@AIG.com>, Ed Doubleday <edoubleday@scientech.com>, Lee Penney <lpenney@scientech.com>, Jim Kotton <jjk@nrc.gov>, Marjorie McLaughlin <mmm3@nrc.gov>, Robert Maiers <rmaiers@state.pa.us>, Bryan Werner <brwerner@state.pa.us>, Roy Woods <RoWoods@state.pa.us>, Jerry Toumey <gtoumey@scientech.com>, Patrick Horkman <phorkman@scientech.com>, Kevin Taylor <ktaylor@scientech.com>, Lori Czyz <lczyz@scientech.com>

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**Created By:** [rmoss@scientechnology.com](mailto:rmoss@scientechnology.com)

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JJK CC (James Kottan)

MMM3 CC (Marjorie McLaughlin)

scientechnology.com

lczyn CC (Lori Czyn)

ktaylor CC (Kevin Taylor)

phorkman CC (Patrick Horkman)

gtoumey CC (Jerry Toumey)

lpenney CC (Lee Penney)

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rmaiers CC (Robert Maiers)

AIG.com

Roger.Pennifill CC (Roger Pennifill)

Leonard.Geraci CC (Leonard Geraci)

wkr.com

ELardiere (Eric Lardiere)

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## WHITTAKER DECOMMISSIONING PROJECT

**Date:** August 15, 2005

**To:** E. Lardiere

**Cc:** L. Geraci, R. Pennifill, E. Doubleday, L. Penney, J. Kotton (USNRC), Marjorie McLaughlin (USNRC), R. Maier (PABRP), B. Werner (PABRP), R. Woods (PABRP), P. Horkman, K. Taylor, G. Toumey, L. Czyz

**From:** Richard Moss, CSP  
Project Manager, Whittaker Decommissioning Project

**Subject:** Project Status Report July 2005

Site activity during July continued to focus on the excavation and isolation of contaminated material in Section 2 of the property. We have excavated approximately 85% of the slag volume, or about 18,700 tons of material, through the end of July.

Through the end of July we have isolated approximately 4,700 tons of LLRW. Our estimate for total LLRW within the property boundary is revised downward from 6,000 to 5,300 tons. However, additional amounts are expected to be removed from the adjacent property during 2006 operations.

Importantly, the volume of LLRW that now exceeds the WCS waste acceptance criteria (Type 1 material) is far greater in proportion to the acceptable Type 2 material than was originally estimated. This high ratio of Type 1 to Type 2 material renders the planned blending of material as an impractical approach for disposal at WCS. The average thorium content is approximately 95 pCi/g compared to a waste acceptance criteria of 54 pCi/g. Therefore, the LLRW will be disposed of at the Envirocare of Utah (EOU) facility located in Clive, Utah.

Accordingly, the project plan has been revised to eliminate the time, man-loading and equipment necessary to process the waste prior to shipment. This change also permits the revised schedule to accommodate the removal of LLRW from the Whittaker property by late October and to have Section 2 backfilled and stabilized by late November. Work to be conducted on the Greenville Metals property, as well as additional FSS activity, will be conducted during 2006. A detailed schedule to this effect will be forthcoming.

To expedite the completion of the site excavation by early September, and meet the requisite shipment schedule to Envirocare, personnel are now on a 60 hr/week schedule. Thereafter, a reduction in both man-loading and work schedule is planned.

### Other July Site Activities:

1. Metal debris are collected and surveyed for release. Debris that cannot be surveyed to NRC reguide 1.86, such as piping, is staged for future LLRW disposal.
2. Fenceline radiological surveys have been conducted weekly. In addition, repairs were made to the fence where tree limbs and flood debris destroyed the fence sections.

3. Additional slag samples were collected and analyzed for hazardous waste characteristics at Severn Trent Laboratories. The results are necessary for the Envirocare waste profile submission.
4. The fence in the southeast corner of Section 2, above the floodway, was temporarily relocated several feet to permit excavator access to areas along the 8 foot berm at that location. No work was conducted in the floodway.

Summary of Planned Activities:

1. Shipments of LLRW from the site to EOU, are to start on 9/12/05 and extend through the end of October. All LLRW extracted from the Whittaker property, including metal debris that does not meet radiological release criteria, will be shipped at that time.
2. During the Sept/Oct shipping period, the Section 2 excavation floor and other areas will be radiologically characterized in preparation for the Final Status Survey and the subsequent backfill of material into Section 2.
3. Site restoration tasks will be conducted during November. Section 2 will be stabilized by the end of November.

Representative photos of site operations are shown on the following page. Please let me know if you have any questions or require additional information regarding these activities.



Metal debris is manually segregated from the screening line by the site worker. Also, the accompanying HP is scanning for changes in material activity as the line is operating. This is a continuous process. The picture is taken looking south across Section 2. Note that the picture was taken early July.



This picture, taken late July, shows the southwest corner of Section 2. the orange tag on the fence indicates the entrance gate to Greenville Metals. Contamination identified along the fenceline, including at this location, will be addressed during 2006 as explained in the report narrative. By late November, this area of Section 2 will have been backfilled, stabilized and demarcated up to this property line slope.