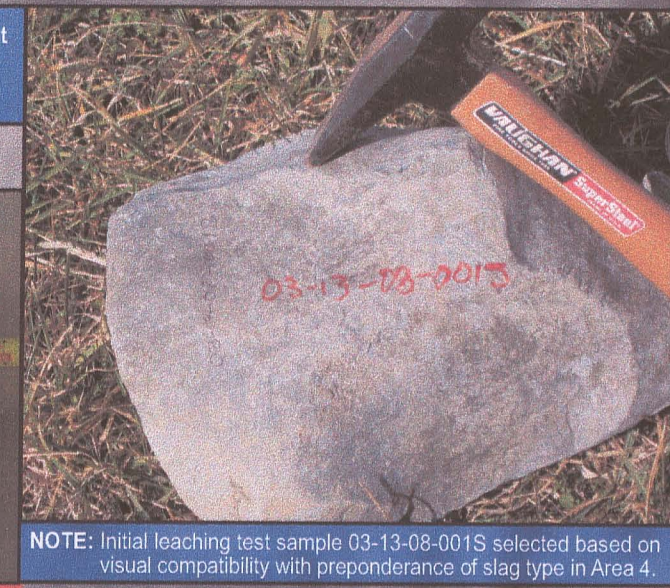
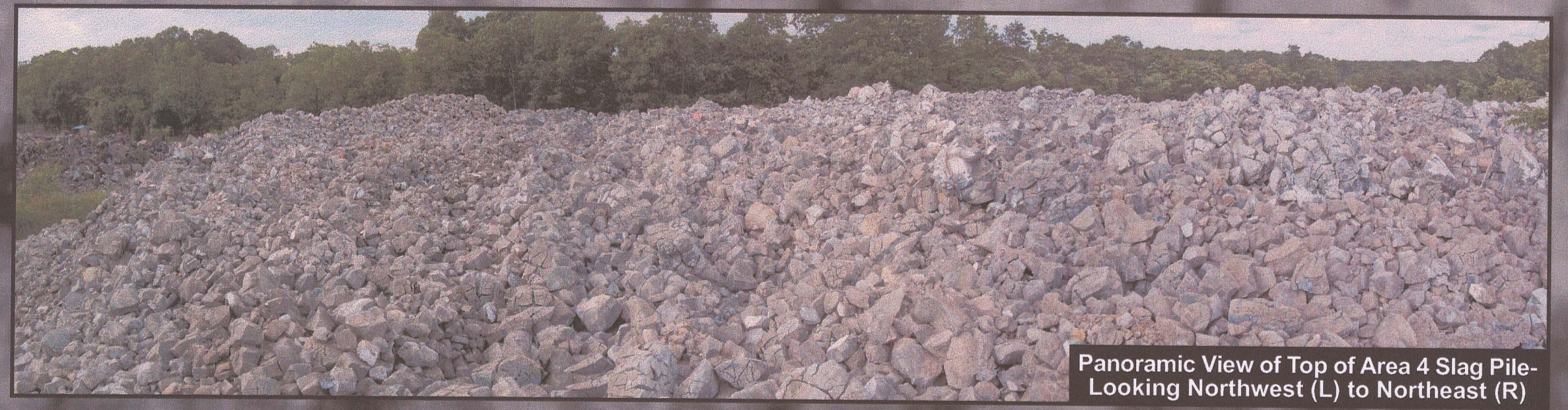


| Sample Number | Detailed Sample Description                 | Sample Count Rate (counts/2 minutes) |
|---------------|---------------------------------------------|--------------------------------------|
| 4-85          | Medium grey fine-grained slag, dense/solid. | 829,315                              |
| Kd - Uranium  | Kd - Thorium                                | Kd - Radium                          |
| 1,260,000     | 180,000                                     | 1,206                                |

| Sample Number | Detailed Sample Description                 | Sample Count Rate (counts/2 minutes) |
|---------------|---------------------------------------------|--------------------------------------|
| 4-83          | Medium grey fine-grained slag, dense/solid. | 672,919                              |



| AREA 4 - FERROCOLUMBIUM (Electric Arc Process) |                           |
|------------------------------------------------|---------------------------|
| Estimated Volume                               | Estimated Footprint Area  |
| 22,937 Meters <sup>3</sup>                     | 4,209 Meters <sup>2</sup> |
| Background Count Rate (counts/2 minutes)       |                           |
| 11,431                                         |                           |
| Range of Sample Count Rates (counts/2 minutes) |                           |
| 12,750 - 899,117                               |                           |

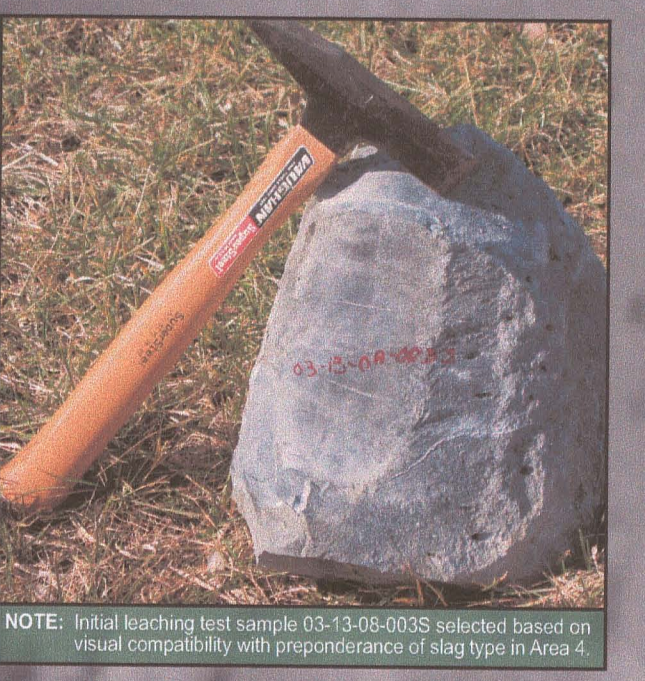


| Sample Number | Detailed Sample Description                                                                          | Sample Count Rate (counts/2 minutes) |
|---------------|------------------------------------------------------------------------------------------------------|--------------------------------------|
| 4-69          | Light blue/gray fine-grained slag, highly fractured, little secondary mineralization (white clayey). | 492,515                              |
| Kd - Uranium  | Kd - Thorium                                                                                         | Kd - Radium                          |
| 933,000       | 120,333                                                                                              | 425                                  |

| Sample Number | Detailed Sample Description                                                                               | Sample Count Rate (counts/2 minutes) |
|---------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------|
| 4-70          | Medium grey fine-grained slag, dense/solid, slight secondary mineralization along one fine fracture line. | 899,117                              |
| Kd - Uranium  | Kd - Thorium                                                                                              | Kd - Radium                          |
| 1,760,000     | 168,667                                                                                                   | 1,101                                |

| Sample Number | Detailed Sample Description                                                                                                                                                                                                                                                                                                                                   | Sample Count Rate (counts/2 minutes) |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| 4-A           | Hexagonal-shaped slag which tapers to ~1-2" diameter on one end and ~4-8" on the other end. The hexagonal slag structures are contained within a larger "dome"-like structure. Interior of hexagonal structure contains green fine-grained crystals with small (1-5 mm) black crystals. A 0.5-1 inch thick, light grey, fine-grained coating and on exterior. | 19,664                               |

| Sample Number | Detailed Sample Description                                                                                 | Sample Count Rate (counts/2 minutes) |
|---------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------|
| 4-72          | Medium grey fine-grained slag, dense/solid, slight secondary mineralization along very fine fracture lines. | 558,976                              |



| Sample Number | Detailed Sample Description                 | Sample Count Rate (counts/2 minutes) |
|---------------|---------------------------------------------|--------------------------------------|
| 4-71          | Medium grey fine-grained slag, dense/solid. | 748,625                              |
| Kd - Uranium  | Kd - Thorium                                | Kd - Radium                          |
| 1,070,000     | 132,000                                     | 2,981                                |

| Sample Number | Detailed Sample Description                                                                                       | Sample Count Rate (counts/2 minutes) |
|---------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| 4-73          | Light grey to brown very fine-grained slag, indicators of cubic fracture planes, slight secondary mineralization. | 789,288                              |
| Kd - Uranium  | Kd - Thorium                                                                                                      | Kd - Radium                          |
| 718,000       | 173,000                                                                                                           | 88,760                               |

| LEGEND                                      |                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 82                                          | Statistically-based Grid Sample (June 2008)/ Future Leaching Test Sample                                                                                                                                                                                                                                                                                                                                   |
| 1S+                                         | Sample Collected for and Subjected to Initial Leaching Test (March 2008)*                                                                                                                                                                                                                                                                                                                                  |
| 4A+                                         | Observational Sample (June 2008)                                                                                                                                                                                                                                                                                                                                                                           |
| Estimated Material Volume Within Area 4 (%) |                                                                                                                                                                                                                                                                                                                                                                                                            |
| <1%                                         | Darker colored slag located at base of main pile, slag seems to be very isolated in the pile. Exterior of slag is dark brown-dark grey, interior is fine-grained and crystalline, very dense. Sample Count Rate Range (counts/2 minutes): 589,891-795,285                                                                                                                                                  |
| <1%                                         | White coarse-grained material, possibly some sort of refractory material. Sample Count Rate (counts/2 minutes): 12,750                                                                                                                                                                                                                                                                                     |
| <5%                                         | Hexagonal-shaped slag which tapers to ~1-2" diameter on one end and ~4-8" on the other end. The hexagonal slag structures are contained within a larger "dome"-like structure. Interior of hexagonal structure contains green fine-grained crystals with small (1-5 mm) black crystals. A 0.5-1 inch thick, light grey, fine-grained coating and on exterior. Sample Count Rate (counts/2 minutes): 19,664 |
| 5%                                          | Light blue/gray fine-grained slag, highly fractured, little secondary mineralization (white clayey). Sample Count Rate (counts/2 minutes): 492,515                                                                                                                                                                                                                                                         |
| 30%                                         | Light grey to grey fine-grained slag, trace vesicles to dense/solid, lightly to moderately fractured, slight secondary mineralization along fracture lines. Sample Count Rate Range (counts/2 minutes): 440,139 - 899,117                                                                                                                                                                                  |
| 60%                                         | Light grey to grey fine-grained slag, trace vesicles to dense/solid, no evidence of fracturing. Sample Count Rate Range (counts/2 minutes): 528,116 - 829,315                                                                                                                                                                                                                                              |

NOTES: \*The initial leaching test results can be found in Appendix H of this document.  
The estimates of the volumes of the types of materials found within Area 4 are based on rounded numbers and as such, the percentages do not add up to 100.  
Slag shown in the photographs, including the larger pieces located next to the ruler and that which is in the Marinell beakers, was crushed after collection.

| Sample Number | Detailed Sample Description                                                                               | Sample Count Rate (counts/2 minutes) |
|---------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------|
| 4-82          | Dark grey fine to very fine-grained slag, metallic inclusions on outer edge, trace vesicles, dense/solid. | 795,285                              |
| Kd - Uranium  | Kd - Thorium                                                                                              | Kd - Radium                          |
| 883,000       | 163,333                                                                                                   | 1,237                                |

| Sample Number | Detailed Sample Description                                                                                                                                                                   | Sample Count Rate (counts/2 minutes) |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| 4-C           | Darker colored slag located at base of main pile, slag seems to be very isolated in the pile. Exterior of slag is dark brown-dark grey, interior is fine-grained and crystalline, very dense. | 589,891                              |

| Sample Number | Detailed Sample Description                                       | Sample Count Rate (counts/2 minutes) |
|---------------|-------------------------------------------------------------------|--------------------------------------|
| 4-81          | Medium grey fine-grained slag, very slight vesicles, solid/dense. | 691,127                              |
| Kd - Uranium  | Kd - Thorium                                                      | Kd - Radium                          |
| 629,000       | 198,667                                                           | 1,240                                |

| Sample Number | Detailed Sample Description                  | Sample Count Rate (counts/2 minutes) |
|---------------|----------------------------------------------|--------------------------------------|
| 4-84          | Light grey fine-grained slag, many vesicles. | 486,640                              |
| Kd - Uranium  | Kd - Thorium                                 | Kd - Radium                          |
| 522,000       | 146,333                                      | 1,436                                |

| Sample Number | Detailed Sample Description                    | Sample Count Rate (counts/2 minutes) |
|---------------|------------------------------------------------|--------------------------------------|
| 4-78          | Medium grey fine-grained slag, trace vesicles. | 662,535                              |
| Kd - Uranium  | Kd - Thorium                                   | Kd - Radium                          |
| 618,000       | 209,000                                        | 1,282                                |

| Sample Number | Detailed Sample Description                | Sample Count Rate (counts/2 minutes) |
|---------------|--------------------------------------------|--------------------------------------|
| 4-79          | Light grey fine-grained slag, solid/dense. | 548,309                              |
| Kd - Uranium  | Kd - Thorium                               | Kd - Radium                          |
| 432,000       | 128,000                                    | 673                                  |

| Sample Number | Detailed Sample Description                                               | Sample Count Rate (counts/2 minutes) |
|---------------|---------------------------------------------------------------------------|--------------------------------------|
| 4-B           | White coarse-grained material, possibly some sort of refractory material. | 12,750                               |

| Sample Number | Detailed Sample Description                     | Sample Count Rate (counts/2 minutes) |
|---------------|-------------------------------------------------|--------------------------------------|
| 4-80          | Light blue/gray fine-grained slag, solid/dense. | 547,608                              |
| Kd - Uranium  | Kd - Thorium                                    | Kd - Radium                          |
| 475,000       | 141,667                                         | 1,407                                |

| Sample Number | Detailed Sample Description                                                                                                                                 | Sample Count Rate (counts/2 minutes) |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| 4-77          | Light grey fine-grained slag, trace vesicles on outside surface, lightly fractured with fine fractures, some secondary mineralization along fracture lines. | 440,139                              |
| Kd - Uranium  | Kd - Thorium                                                                                                                                                | Kd - Radium                          |
| 616,000       | 116,667                                                                                                                                                     | 674                                  |

| Sample Number | Detailed Sample Description                 | Sample Count Rate (counts/2 minutes) |
|---------------|---------------------------------------------|--------------------------------------|
| 4-76          | Medium grey fine-grained slag, dense/solid. | 528,116                              |
| Kd - Uranium  | Kd - Thorium                                | Kd - Radium                          |
| 514,000       | 199,667                                     | 2,290                                |

| Sample Number | Detailed Sample Description                                                                                                  | Sample Count Rate (counts/2 minutes) |
|---------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| 4-74          | Medium grey fine-grained slag, dense/solid, slight amount of vesicles on outside surface with some metallic bead inclusions. | 814,330                              |
| Kd - Uranium  | Kd - Thorium                                                                                                                 | Kd - Radium                          |
| 513,000       | 96,333                                                                                                                       | 868                                  |

| Sample Number | Detailed Sample Description                                                                                                                   | Sample Count Rate (counts/2 minutes) |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| 4-75          | Medium grey fine-grained slag, slight vesicles, moderately fractured with very fine fractures, some secondary mineralization along fractures. | 688,315                              |
| Kd - Uranium  | Kd - Thorium                                                                                                                                  | Kd - Radium                          |
| 565,000       | 169,167                                                                                                                                       | 859                                  |

