

**Client Test Manager's Spiking Orders<sup>1</sup> to ESS:**

**Section I Initial Spiking Orders<sup>1</sup>:**

Spiking:		Spiking Rate, Lb/Hr		Pump Type/Size	Spiking Duration, Hrs	Specie/Mat'l Reqr'd, Lb
Specie	Material	As Specie	As Mat'l			
MCB	Monochlorobenzene	120	120	Neptune 18gph	12	1440/1440
Ash <sup>4</sup>	TiO <sub>2</sub> , PbO, & SrCrO <sub>4</sub> Dispersion <sup>4</sup>	54	20 <sup>4</sup>	LMI 4gph <sup>4</sup>	12	60/240 <sup>4</sup>
Pb <sup>4</sup>		0.27 <sup>4</sup>			12	3.24
Cr <sup>VI,4</sup>		0.27 <sup>4</sup>			12	3.24

Approved by Client/Test Manager: \_\_\_\_\_ Date: / /2003

**Section II Revised Spiking Orders<sup>2</sup>:**

Revision 1:

Approved by Client/Test Manager: \_\_\_\_\_ Date: / /2003

Revision 2:

Approved by Client/Test Manager: \_\_\_\_\_ Date: / /2003

Revision 3:

Approved by Client/Test Manager: \_\_\_\_\_ Date: / /2003

Revision 4:

Approved by Client/Test Manager: \_\_\_\_\_ Date: / /2003

**Section III Critique, Suggestions, and Comments<sup>3</sup>:**

by Client/Test Manager: \_\_\_\_\_ Date: / /2003

**Footnotes:**

1. Section I contains **ESS'** understanding of the spiking requirements (Spiking Orders) for this test. Please review, revise (as necessary), and initial/date to indicate that the Spiking Orders (as revised) are correct.
2. Section II is provided for field revisions to the Spiking Orders by the Client/Test Manager, as needed. Please document the required changes, and initial/date the revised orders.
3. Please provide a critique of **ESS'** performance on this test. Please offer suggestions for improving the value of our products and services to you, and/or (if warranted) identify aspect(s) of our products and services with which you are pleased.
4. Ash, Pb, & Cr<sup>VI</sup> will be fed in a single dispersion using one metering pump. The quantity of TiO<sub>2</sub> added will be adjusted to reflect the PbO, SrCrO<sub>4</sub>, & dispersing agent contributions to total ash content.