## MSG 040A - RED FD04 MGM AGITATION PROCEDURE ADDITION

1	MGM TEST CELL AGITATION	
2 3 4	NOTE	
4 5 6 7 8	The objective of this procedure is to provide additional specimen agitation prior to MGM Test 3. The additional agitation is required to make the specimen more of a uniform cylindrical shape. These steps should be performed prior to MGM SETUP 3.	
9 10	AS04 1. Remove Beta Cloth Cover on MGM Locker 2, temp stow	
11 12 13	CAUTION Do not apply excessive force to motor housing while demating P21F/J21M connector	
14 15 16	<ol> <li>Disconnect 5-pin test cell connector plug P21F from motor connector J21M Disconnect 18-pin test cell connector plug P14M from female connector J14F in test cell connector box</li> </ol>	
17 18 19	test cell connector box Disconnect 18-pin test cell connector plug P23F from male connector J23M in test cell connector box	
20 21 22	<ol> <li>Remove pip pin in test cell viewing stage clamp Move viewing stage clamp away from Test Cell</li> </ol>	
23 24 25	4. Remove Test Cell from viewing stage	
26 27 28 29 30	5. Agitate the specimen in the Test Cell by repeatedly jogging the top and bottom plates of the test cell with the heel of the hand in several directions. Jog the tes cell as hard as necessary to break up any visible structure in the sand specimen. The specimen should take on a smooth cylindrical shape without large wrinkles.	⊧t
31 32 33	<ol><li>Mount Test Cell, bottom end first, into viewing stage (inside red plates) with connector box upward</li></ol>	
34 35 36 37	<ol><li>Press viewing stage clamp pad against top end plate until seated, and insert pip pin to lock viewing stage clamp in place</li></ol>	)
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2       CAUTION         3       Do not apply excessive force to motor housing while demating P21F/J21M connector         6       8. Connect 18-pin test cell connector plug P23F to male connector J23M on test cell connector box         7       Connect 18-pin test cell connector plug P23F to motor connector J14F on test cell connector box         8       Connect 5-pin test cell connector plug P21F to motor connector J21M on test cell cell connector box         9       Relocate Kick Plate and install to lower left corner of Locker 2, if required Relocate Beta Cloth Cover and cover Locker 2         10       Go to MGM SETUP (NOM, pg. 1-4) step 12         11       Rationale: If the specimen is not thoroughly agitited so that it is uniform throughout, the science return is significantly diminished.         21       Science return is significantly diminished.         22       Science return is significantly diminished.         23       Science return is significantly diminished.         24       Science return is significantly diminished.         23       Science return is significantly diminished.         24       Science return is significantly diminished.         25       Science return is significantly diminished.         26       Science return is significantly diminished.         27       Science return is significantly science return is science return i	3       Do not apply excessive force to motor housing         4       while demating P21F/J21M connector         5       8. Connect 18-pin test cell connector plug P23F to male connector J23M on test         7       connect 18-pin test cell connector plug P14M to female connector J14F on test         9       cell connector box         10       Connect 5-pin test cell connector plug P21F to motor connector J21M on test         11       cell motor         12       9. Relocate Kick Plate and install to lower left corner of Locker 2, if required         14       Relocate Beta Cloth Cover and cover Locker 2         15       10. Go to MGM SETUP (NOM, pg. 1-4) step 12         17 <b>Rationale:</b> If the specimen is not thoroughly agitited so that it is uniform throughout, the science return is significantly diminished.         21       22         23       30         31       32	est
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