CHECKLIST: FOOT OPERATED CONTROLS				
CRITERIA	**YES**	**NO**	**N/A**	**COMMENTS**
1. Are foot-operated controls used when control operation requires either greater force than the upper body can provide or force close to an upper body fatigue threshold?				
2. Are foot-operated controls used when the operator's hands are generally occupied by other manual control tasks or an additional control action is required?				
3. Are foot-operated controls used when the operator expects specific foot-operated controls?				
4. Are foot-operated controls used when a safety "shut-down" control is required during an operation in which the operator's hands cannot be fired to reach a safety switch?				
5. Are foot-operated controls avoided when a standing operator would be confronted with a sensitive balancing requirement?				
6. Are foot-operated controls avoided when precise control operations are required?				
7. Are foot-operated controls avoided when selection from many separate controls is required?				
8. Are foot controls located and designed so that they can be operated in as natural a pattern as practicable?				
9. Are foot controls designed to specifically avoid frequent, maximum reaching?				
10. Are foot controls designed to specifically avoid the requirement to hold the leg or foot in an awkward position for extended periods of time?				
11. Are foot controls designed to specifically avoid the requirement for the operator to operate a control frequently or for an extended period of time while sitting in a twisted position?				
12. Are foot controls designed to specifically avoid frequent application of maximum force or extended duration?				
13. Are foot controls designed to specifically avoid the requirement that the operator search for a particular foot control in order to select the proper one?				
14. Are foot controls designed to specifically avoid placement of a foot control where it might be stepped on and inadvertently actuated?				
15. Are foot controls designed to specifically avoid the situation where typical shifting from one foot control to another creates conditions where the foot or clothing might be entrapped by an intervening control?				

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16. Does the configuration and placement of foot operated controls accommodate the anthropometry of the operator's foot wearing operational shoes or boots?				
17. Are foot operated controls located so that the actuation of a control by one foot does not interfere with the actuation of a control by another foot?				
18. Are foot-operated switches used only where the operator is likely to have both hands occupied when switch actuation is required or when load sharing among limbs is desirable?				
19. Is the use of foot-operated controls limited to non-critical or infrequent operations?				
20. Are foot switches positioned for operation by the toe and the ball of the foot rather than by the heel?				
21. Are foot-operated switches located away from obstructions so that the operator can center the ball of the foot on the switch button?				
22. Does the switch cap possess a frictional surface in cases where the switch may become wet and slippery?				
23. Are foot switches guarded from unintentional activation in accordance with 19CFR1910.27(b)4 and 10CFRI910.212(a)l?				
24. Is the switch mechanism protected to prevent unintended operation from falling or moving objects or from accidentally stepping onto the switch?				
25. Is a pad with a non-slip contact area firmly attached to each switch?				
26. Is a positive indication of control actuation provided?				
27. Are pedal controls used only where the operator is likely to have both hands occupied when control actuation is required or when control operation requires use of force too high for the manual force capability of the operator?				
28. Are pedal controls located so that the operator can reach them easily without extreme stretching or torso twisting?				
29. Are pedals that may be held or adjusted located so the operator can "rest" and "steady the foot?				
30. Is the pedal located the appropriate critical distance above the floor or heel rest so that the operator's heel can rest while articulating the anklefoot?				
31. Do pedals return to the original null position without requiring operator assistance except for controls that generate a continuous output?				
32. Where the operator may rest a foot on the pedal is sufficient resistance provided to prevent the weight of the foot from inadvertently actuating the control?				

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CRITERIA	**YES**	**NO**	**N/A**	**COMMENTS**
33. Is the pedal travel path compatible with the natural articulation path of the operator's limbs?				
34. When high forces are required to fully actuate a pedal are appropriate aids provided to assist the operator in applying maximum force (eg. seat backrest, adjustable seats, double width pedals)?				
35. Does the pedal possess a frictional surface in cases where high-force is used or the pedal may become slippery?				