**Section 604.1020 Powdered Activated Carbon**

a) Powdered activated carbon must be added as early as possible in the treatment process to provide maximum contact time to allow the effective and economical use of the chemical.

b) Activated carbon must not be applied near the point of chlorine or other oxidant application.

c) The carbon may be added as a pre-mixed slurry or by means of a dry feed machine as long as the carbon is properly wetted.

d) Continuous agitation or resuspension equipment must be provided to keep the carbon from depositing in the slurry storage tank.

e) Provisions must be made for adequate dust control.

f) When feeding powdered activated carbon for taste and odor control, provisions must be made for adding at least 40 mg/L.

g) Powdered activated carbon must be handled as a potentially combustible material.

1) A separate room must be provided for carbon feed equipment, including a door to allow isolation of the room.

2) The separate room must be as nearly fireproof as possible.

3) Other chemicals must not be stored in the same room as powdered activated carbon.

4) Carbon feeder rooms must be equipped with explosion-proof electrical outlets, lights and motors.