than 2268 kg/year (2.5 tons/year) of VOM for the purposes of subsection (a) above: not more than 4535 kg/year (5.0 tons/year) of volatile organic material from each fluid bed drier or each tunnel dryer, and not more than 6803 kg/year (7.5 tons/year) of VOM from each Accelacota. This subsection shall apply only to fluid bed dryers, tunnel dryers and Accelacotas located in Libertyville Township, Lake County, Illinois, and only when such emissions are not vented to air pollution control equipment.

c) Sections 215.483 through 215.485 apply to a plant having one or more emission sources that:

1) are used to manufacture pharmaceuticals; and

2) emit more than 6.8 kg/day (15 lbs/day) of volatile organic material and more than 2268 kg/year (2.5 tons/year) of volatile organic material, or, if less than 2.5 tons/year, these sections still apply if emissions from one or more sources exceed 45.4 kg/day (100 lbs/day).

d) No person shall violate any condition in a permit when the condition results in exclusion of an emission source from this Part 215, Subpart T.

(Source: Added at 12 Ill. Reg. 7650, effective April 11, 1988)

Section 215.481 Control of Reactors, Distillation Units, Crystallizers, Centrifuges and Vacuum Dryers

a) The owner or operator shall equip all reactors distillation units, crystallizers, centrifuges and vacuum dryers that are used to manufacture pharmaceuticals with surface condensers operated such that the condenser outlet gas temperature does not exceed:

1) 248.2°K (-13°F) when condensing volatile organic material of vapor pressure greater than 40.0 kPa (5.8 psi) at 294.3°K (70°F); or

2) 258.2°K (5°F) when condensing volatile organic materials of vapor pressure greater than 20.0 kPa (2.9 psi) at 294.3°K (70°F); or

3) 273.2°K (32°F) when condensing volatile organic material of vapor pressure greater than 10.0 kPa (1.5 psi) at 294.3°K (70°F); or

4) 283.2°K (50°F) when condensing volatile organic material of vapor pressure greater than 7.0 kPa (1.0 psi) at 294.3°K (70°F); or

5) 298.2°K (77°F) when condensing volatile organic material of vapor pressure greater than 3.45 kPa (0.5 psi) at 294.3°K (70°F).

b) The owner or operator shall enclose all centrifuges used to manufacture pharmaceuticals and that have an exposed volatile organic liquid surface, where the volatile organic material in the volatile organic liquid has a vapor pressure of 3.45 kPa (0.5 psi) or more at 294.3°K (70°F).

(Source: Added at 12 Ill. Reg. 7650, effective April 11, 1988)

Section 215.482 Control of Air Dryers, Production Equipment Exhaust Systems and Filters

a) The owner or operator of an air dryer or production equipment exhaust system used to manufacture pharmaceuticals shall control the emissions of volatile organic material from such emission sources by air pollution control equipment which reduces by 90 percent or more the volatile organic material that would otherwise be emitted into the atmosphere.

b) The owner or operator shall enclose all rotary vacuum filters and other filters used to manufacture pharmaceuticals and that have an exposed volatile organic liquid surface, where the volatile organic material in the volatile organic liquid has a vapor pressure of 3.45 kPa (0.5 psi) or more at 294.3°K (70°F).

(Source: Added at 12 Ill. Reg. 7650, effective April 11, 1988)

Section 215.483 Material Storage and Transfer

The owner or operator of a pharmaceutical manufacturing plant shall:

a) Provide a vapor balance system or equivalent control system that is at least 90.0 percent effective in reducing volatile organic material emissions from truck or railcar deliveries to storage tanks with capacities equal to or greater than 7.57m^3 (2,000 gallons) that store volatile organic liquids with vapor pressures greater than 28.0 kPa (4.1 psi) at 294.3°K (70°F); and

b) Install pressure/vacuum conservation vents set at 0.2 kPa (0.03 psi) on all storage tanks that store volatile organic liquids with vapor pressures greater than 10 kPa (1.5 psi) at 294.3°K (70°F), unless a control system that allows less VOM to be emitted is used.

(Source: Added at 12 Ill. Reg. 7650, effective April 11, 1988)

Section 215.484 In-Process Tanks

The owner or operator shall install covers on all in-process tanks used to manufacture pharmaceuticals and containing a volatile organic liquid at any time. These covers must remain closed, except when production, sampling,