Compressors which are equipped with a closed-vent system capable of capturing and transporting leakage from the seal to a control device that complies with the requirements of 40 CFR Section 265.1060 are exempt from the seal system requirement.

A compressor is exempt from the above listed requirements if it is equipped with a closed-vent system capable of capturing and transporting any leakage from the seal to a control device that complies with the control device requirements of 40 CFR 264.1060 and 265.1060.

4.2.3 Pressure Relief Devices in Gas/Vapor Service (264.1054 and 265.1054)

Pressure relief devices in gas/vapor service must be operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background as determined by using Method 21. The only exception to this is during a pressure release when the device functions according to it’s design. After each pressure release, the pressure relief device must be returned to a condition of no detectable emissions, as indicated with an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than five calendar days after each pressure release.

If the pressure relief device is equipped with a closed-vent system which is capable of capturing and transporting leakage from the pressure relief device to a control device, the pressure relief device is exempt from the instrument monitoring requirement.

4.2.4 Sampling Connecting Systems (264.1055 and 265.1055)

Each sampling connection system must be equipped with a closed-purge, closed-loop, or a closed-vent system. The closed-purge, closed-loop, or closed-vent system must return the purged hazardous waste stream directly to the hazardous waste management process line with no detectable emissions, collect and recycle the purged hazardous waste stream with no detectable emissions to the atmosphere, or be designed and operated to capture and transport all the purged hazardous waste stream to a control device. Sampling connection systems with in-situ sampling are not required to be equipped with a closed-purge, closed-loop, or closed-vent system.

4.2.5 Open-Ended Valves or Lines (264.1056 and 265.1056)

All open-ended valves or lines must be equipped with a cap, blind flange, plug or a second valve, to seal the open end at all times except during operations requiring hazardous waste
stream flow through the open-ended valve or line. The open-ended valve or line equipped with a second valve must be operated so that the valve on the hazardous waste stream end is closed before the second valve is closed. When a double block and bleed system is being used, the bleed valve or line may remain open during operations that require venting the lines between the block valves but must be closed at all other times.

Each valve in gas/vapor or light liquid service must be monitored monthly to detect leaks.

The monthly monitoring requires the use of Method 21. Any reading of 10,00 ppm or greater determines a leak. When a leak is detected, it must be repaired as soon as possible, but no later than 15 calendar days after leak detection. A first attempt at repair must be made within five calendar days of leak detection.

Delays of repair of equipment for which a leak has been detected will be allowed if the repair is technically infeasible without a hazardous waste management unit shutdown. For such instances, the repair must occur before the end of the next hazardous waste management unit shutdown. Delays of repair of equipment for which leaks have been detected are also permitted if the equipment is isolated from the hazardous waste management unit and does not continue to contain or contact hazardous waste with organic concentrations at least 10 percent by weight.

Any valve which is designated as unsafe-to-monitor is exempt from the monthly monitoring requirements in accordance with Method 21. However, the owner or operator must follow a written plan that requires monitoring of the valve as frequently as possible. Valves designated as difficult-to-monitor, because they cannot be monitored without elevating the personnel by more than two meters above a support surface, are also exempt from monthly monitoring by Method 21. The owner or operator must follow a written plan that requires monitoring of the valves at least once per calendar year. Delay of repair for valves is permitted if the owner or operator determines that emissions of purged material resulting from immediate repair are greater than the emissions likely to result from delay of repair. Delay of repair beyond a hazardous waste management unit shutdown will be permitted for a valve if a valve assembly replacement is necessary during the hazardous waste management unit shutdown, provided that valve assembly