

**60.5420a What are my notification, reporting and recordkeeping requirements? (page 3597)**

- (7) For the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each compressor station within the company-defined area, the records of each monitoring survey including the information specified in paragraphs (b)(7)(i) through (xii) of this section. For the collection of fugitive emissions components at a compressor station, if a monitoring survey is waived under § 60.5397a(g)(5), you must include in your annual report the fact that a monitoring survey was waived and the calendar months that make up the quarterly monitoring period for which the monitoring survey was waived.
- (i) Date of the survey.
  - (ii) Beginning and end time of the survey.
  - (iii) Name of operator(s) performing survey. If the survey is performed by optical gas imaging, you must note the training and experience of the operator.
  - (iv) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.
  - (v) Monitoring instrument used.
  - (vi) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.
  - (vii) Number and type of components for which fugitive emissions were detected.
  - (viii) Number and type of fugitive emissions components that were not repaired as required by 60.5397a(h).
  - (ix) Number and type of difficult-to monitor and unsafe-to-monitor fugitive emissions components monitored.
  - (x) The date of successful repair of the fugitive emissions component.
  - (xi) Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair.
  - (xii) Type of instrument used to resurvey a repaired fugitive emissions component that did not be repaired during the initial fugitive emissions finding.

**60.5397a What fugitive emissions GHG and VOC standards apply to the affected facility which is the collection of fugitive emissions components at a well site and the affected facility which is the collection of fugitive emissions components at a compressor station? (page 35905)**

- a(g)(2) A monitoring survey of the collection of fugitive emissions components at a compressor station within a company-defined area must be conducted at least quarterly after the initial survey. Consecutive quarterly monitoring surveys must be conducted at least 60 days apart.
- a(g)(5) The requirements of paragraph (g)(2) of this section are waived for any collection of fugitive emissions components at a compressor station located within an area that has an average calendar month temperature below 0 °Fahrenheit for two of three consecutive calendar months of a quarterly monitoring period. The calendar month temperature average for each month within the quarterly monitoring period must be determined using historical monthly average temperatures over the previous three years as reported by a National Oceanic and Atmospheric Administration source or other source approved by the Administrator. The requirements of paragraph (g)(2) of this section shall not be waived for two consecutive quarterly monitoring periods.

**60.5420a What are my notification, reporting and recordkeeping requirements? (page 35931)**

- (15) For each collection of fugitive emissions components at a well site and each collection of fugitive emissions components at a compressor station, the records identified in paragraphs (c)(15)(i) through (iii) of this section.
- (i) The fugitive emissions monitoring plan as required in § 60.5397a(b), (c), and (d).
  - (ii) The records of each monitoring survey as specified in paragraphs (c)(15)(ii)(A) through (I) of this section.
    - (A) Date of the survey.
    - (B) Beginning and end time of the survey.
    - (C) Name of operator(s) performing survey. You must note the training and experience of the operator.
    - (D) Monitoring instrument used.
    - (E) When optical gas imaging is used to perform the survey, one or more digital photographs or videos, captured from the optical gas imaging instrument used for conduct of monitoring, of each required monitoring survey being performed. The digital photograph must include the date the photograph was taken and the latitude and longitude of the collection of fugitive emissions components at a well site or collection of fugitive emissions components at a compressor station imbedded within or stored with the digital file. As an alternative to imbedded latitude and longitude within the digital file, the digital photograph or video may consist of an image of the monitoring survey being performed with a separately operating GPS device within the same digital picture or video, provided the latitude and longitude output of the GPS unit can be clearly read in the digital image.
    - (F) Fugitive emissions component identification when Method 21 is used to perform the monitoring survey.
    - (G) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.
    - (H) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.
    - (I) Documentation of each fugitive emission, including the information specified in paragraphs (c)(15)(ii)(1) through (12) of this section.
      - (1) Location.
      - (2) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.
      - (3) Number and type of components for which fugitive emissions were detected.
      - (4) Number and type of difficult-to monitor and unsafe-to-monitor fugitive emission components monitored.
      - (5) Instrument reading of each fugitive emissions component that requires repair when Method 21 is used for monitoring.
      - (6) Number and type of fugitive emissions components that were repaired as required in § 60.5397a(h).
      - (7) Number and type of components that were tagged as a result of not being repaired during the monitoring survey when the fugitive emissions were initially found as required in § 60.5397a(h)(3)(ii).
      - (8) If a fugitive emissions component is not tagged with a digital photograph or video of each fugitive emissions component that could not be repaired during the monitoring survey when the fugitive emissions were initially found as required in § 60.5397a(h)(3)(ii), the digital photograph or video must clearly identify the location of the component that must be repaired. Any digital photograph or video required under this paragraph can also be used to meet the requirements under paragraph (c)(15)(ii)(E) of this section, as long as the photograph or video is taken with the optical gas imaging instrument, includes the date and the latitude and longitude are either imbedded or visible in the picture.
      - (9) Repair methods applied in each attempt to repair the fugitive emissions components.
      - (10) Number and type of fugitive emissions components placed on delay of repair and explanation for each delay of repair.
      - (11) The date of successful repair of each fugitive emissions component.
      - (12) Instrumentation used to repair a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding.
  - (iii) For the collection of fugitive emissions components at a compressor station, if a monitoring survey is waived under § 60.5397a(g)(5), you must maintain records of the average calendar month temperature, including the source of the information, for each calendar month of the quarterly monitoring period for which the monitoring survey was waived.

**60.5397a What fugitive emissions GHG and VOC standards apply to the affected facility which has the collection of fugitive emissions components at a well site and the affected facility which is the collection of fugitive emissions components at a compressor station? (page 35906)**

- (h) Each identified source of fugitive emissions shall be repaired or replaced in accordance with paragraphs (h)(1) and (2) of this section. For fugitive emissions components also subject to the repair provisions of §§ 60.5416a(b)(9) through (12) and (c)(4) through (7), those provisions apply instead to those closed vent system and covers, and the repair provisions of paragraphs (h)(1) and (2) of this section do not apply to those closed vent systems and covers.
- (1) Each identified source of fugitive emissions shall be repaired or replaced as soon as practicable, but no later than 30 calendar days after detection of the fugitive emissions.
  - (2) If the repair or replacement is technically infeasible, would require a vent blowdown, a compressor station shutdown, a well shutdown or well shut-in, or would be unsafe to repair during operation of the unit, the repair or replacement must be completed during the next compressor station shutdown, well shutdown, well shut-in, after an unscheduled, planned or emergency vent blowdown or within 2 years, whichever is earlier.
  - (3) Each repaired or replaced fugitive emissions component must be resurveyed as soon as practicable but no later than 30 days after being repaired, to ensure that there are no fugitive emissions.
    - (i) For repairs that cannot be made during the monitoring survey when the fugitive emissions are initially found, the operator may resurvey the repaired fugitive emissions components using either Method 21 or optical gas imaging within 30 days of finding such fugitive emissions.
    - (ii) For each repair that cannot be made during the monitoring survey when the fugitive emissions are initially found, a digital photograph must be taken of that component or the component must be tagged for identification purposes. The digital photograph must include the date that the photograph was taken, must clearly identify the component by location within the site (e.g., the latitude and longitude of the component or by other description of the area visible in the picture).
    - (iii) Operators that use Method 21 to resurvey the repaired fugitive emissions components are subject to the resurvey provisions specified in paragraphs (h)(3)(iii)(A) and (B) of this section.
      - (A) A fugitive emissions component is repaired when the Method 21 instrument indicates a concentration of less than 500 ppm above background or when no soap bubbles are observed when the alternative screening procedures specified in section 8.3.3 of Method 21 are used.
      - (B) Operators must use the Method 21 monitoring requirements specified in paragraph (c)(8)(ii) of this section or the alternative screening procedures specified in section 8.3.3 of Method 21.
    - (iv) Operators that use optical gas imaging to resurvey the repaired fugitive emissions components are subject to the resurvey provisions specified in paragraphs (h)(3)(iv)(A) and (B) of this section.
      - (A) A fugitive emissions component is repaired when the optical gas imaging instrument shows no indication of visible emissions.
      - (B) Operators must use the optical gas imaging monitoring requirements specified in paragraph (c)(7) of this section.
- (i) Records for each monitoring survey shall be maintained as specified 60.5420a(c)(15).
- (j) Annual reports shall be submitted for each collection of fugitive emissions components at a well site and each collection of fugitive emissions components at a compressor station that include the information specified in 60.5420a(b)(7). Multiple collection of fugitive emissions components at a well site or at a compressor station may be included in a single annual report.