

1 **TITLE 20 ENVIRONMENTAL PROTECTION**
2 **CHAPTER 11 ALBUQUERQUE-BERNALILLO COUNTY AIR QUALITY CONTROL BOARD**
3 **PART 46 SULFUR DIOXIDE EMISSIONS INVENTORY REQUIREMENTS;**
4 **WESTERN BACKSTOP SULFUR DIOXIDE TRADING PROGRAM**
5
6

7 **20.11.46.1 ISSUING AGENCY:** Albuquerque-Bernalillo County Air Quality Control Board, P.O. Box
8 1293, Albuquerque, New Mexico, 87103.
9 [20.11.46.1 NMAC - N, 12/31/03]

10
11 **20.11.46.2 SCOPE:**

12 **A.** [This part] 20.11.46 NMAC is applicable to all geographic areas within Bernalillo county, New
13 Mexico and within the jurisdiction of the Albuquerque-Bernalillo county air quality control board.

14 **B. Exempt:** [This part] 20.11.46 NMAC does not apply to sources within Bernalillo county that are
15 located on Indian lands over which the Albuquerque-Bernalillo county air quality control board lacks jurisdiction.
16 [20.11.46.2 NMAC - N, 12/31/03]

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18 **20.11.46.3 STATUTORY AUTHORITY:** [This part] 20.11.46 NMAC is adopted pursuant to the authority
19 provided in the New Mexico Air Quality Control Act, NMSA 1978 Sections 74-2-4, 74-2-5; the Joint Air Quality
20 Control Board Ordinance; Bernalillo County Ordinance No. 94-5, Sections 4 and 5; and the Joint Air Quality
21 Control Board Ordinance, Revised Ordinances of Albuquerque 1994 Sections 9-5-1-3 and 9-5-1-4.
22 [20.11.46.3 NMAC - N, 12/31/03]

23
24 **20.11.46.4 DURATION:** Permanent, except as provided in Section 20.11.46.5 NMAC.
25 [20.11.46.4 NMAC - N, 12/31/03]

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27 **20.11.46.5 EFFECTIVE DATE:** December 31, 2003, except where a later date is cited at the end of a
28 section, or as provided in 20.11.46.10 NMAC. However, if the EPA disapproves the *Section 309 Regional Haze*
29 *State Implementation Plan Element: Albuquerque-Bernalillo County, New Mexico* [this entire Part] 20.11.46 NMAC
30 will no longer be effective on the date of official notification by the EPA to the Governor of New Mexico that the
31 *Section 309 Regional Haze State Implementation Plan Element: Albuquerque-Bernalillo County, New Mexico* has
32 been disapproved.
33 [20.11.46.5 NMAC - N, 12/31/03]

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35 **20.11.46.6 OBJECTIVE:**

36 **A.** 20.11.46 NMAC implements the western backstop SO₂ trading program (“WEB trading
37 program”) provisions required under the federal Regional Haze Regulation, 40 CFR 51.309, the Albuquerque-
38 Bernalillo county element of the state of New Mexico’s regional haze implementation plan and related requirements
39 associated with the time period prior to the WEB trading program trigger date.

40 **B.** Nothing in 20.11.46 NMAC waives any requirement otherwise in effect or subsequently required
41 under another program, including regulations governing new sources.
42 [20.11.46.6 NMAC - N, 12/31/03]

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44 **20.11.46.7 DEFINITIONS:** In addition to the definitions in 20.11.46.7 NMAC, the definitions in 20.11.1
45 NMAC apply unless there is a conflict between definitions, in which case the definition in [this part] 20.11.46
46 NMAC shall govern.

47 **A. "Account certificate of representation"** means the completed and signed submission required to
48 designate an account representative for a WEB source or an account representative for a general account.

49 **B. "Account representative"** means the individual who is authorized through an account certificate
50 of representation to represent owners and operators of the WEB source with regard to matters under the WEB
51 trading program or, for a general account, who is authorized through an account certificate of representation to
52 represent the persons having an ownership interest in allowances in the general account with regard to matters
53 concerning the general account.

54 **C. "Act"** means the federal Clean Air Act, as amended, 42 U.S.C. 7401, et seq.

1 **D. "Actual emissions"** means the total annual sulfur dioxide emissions determined in accordance
2 with 20.11.46.16 NMAC, or determined in accordance with 20.11.46.9 NMAC for sources that are not subject to
3 20.11.46.16 NMAC.

4 **E. "Air quality control board" or "AQCB"** means the Albuquerque-Bernalillo county air quality
5 control board.

6 **F. "Allocate"** means to assign allowances to a WEB source through Section ~~[F(1) of Chapter VI of~~
7 ~~the SO₂ milestones and backstop trading program]~~ C1 of the implementation plan element.

8 **G. "Allowance"** means the limited authorization under the WEB trading program to emit one ton of
9 SO₂ during a specified control period or any control period thereafter subject to the terms and conditions for use of
10 unused allowances as established by 20.11.46 NMAC.

11 **H. "Allowance limitation"** means the tonnage of SO₂ emissions authorized by the allowances
12 available for compliance deduction for a WEB source for a control period under 20.11.46.19 NMAC on the
13 allowance transfer deadline for that control period.

14 **I. "Allowance tracking system"** means the system developed by the department where allowances
15 under the WEB trading program are recorded, held, transferred and deducted.

16 **J. "Allowance tracking system account"** means an account in the allowance tracking system
17 established for purposes of recording, holding, transferring, and deducting allowances.

18 **K. "Allowance transfer deadline"** means the deadline established in Subsection B of 20.11.46.17
19 NMAC when allowances must be submitted for recording in a WEB source's compliance account in order to
20 demonstrate compliance for that control period.

21 **L. "Compliance account"** means an account established in the allowance tracking system under
22 Subsection A of 20.11.46.15 NMAC for the purpose of recording allowances that a WEB source might hold to
23 demonstrate compliance with its allowance limitation.

24 **M. "Compliance certification"** means a submission to the department by the account representative
25 as required under Subsection B of 20.11.46.19 NMAC to report a WEB source's compliance or noncompliance with
26 20.11.46 NMAC.

27 **N. "Control period"** means the period beginning January 1 of each year and ending on December 31
28 of the same year, inclusive.

29 **O. "Emission report" or "inventory"** means a listing, by source, of the amount of air pollutants
30 discharged into the atmosphere.

31 **P. "Emissions tracking database"** means the central database where SO₂ emissions for WEB
32 sources as recorded and reported in accordance with 20.11.46 NMAC are tracked to determine compliance with
33 allowance limitations.

34 **Q. "Emission unit" or "unit"** means any part of a stationary source that emits or would have the
35 potential to emit any pollutant regulated pursuant to the Clean Air Act.

36 **R. "Existing source"** means, a stationary source that commenced operation before the program
37 trigger date.

38 **S. "Fugitive emissions"** are those emissions that could not reasonably pass through a stack,
39 chimney, vent, or other functionally equivalent opening.

40 **T. "General account"** means an account established in the *allowance tracking system* under
41 20.11.46.15 NMAC for the purpose of recording allowances held by a person that are not to be used to show
42 compliance with an allowance limitation.

43 **U. "Milestone"** means the maximum level of stationary source regional sulfur dioxide emissions for
44 each year from 2003 to 2018, established according to the procedures in Section A of the ~~[SO₂ milestones and~~
45 ~~backstop trading program]~~ implementation plan.

46 **V. "New source set-aside"** means a pool of allowances that are available for allocation to new
47 sources in accordance with the provisions of Section ~~[F(3) of Chapter VI of the SO₂ milestones and backstop trading~~
48 ~~program]~~ C1.3 of the implementation plan element.

49 **W. "New WEB source"** means a WEB source that commenced operation on or after the program
50 trigger date.

51 **X. "Owner or operator"** means any person who is an owner or who operates, controls or supervises
52 a WEB source, and includes but is not ~~[be]~~ limited to, any holding company, utility system or plant manager.

53 **Y. "Part"** means an air quality control regulation under Title 20, Chapter 11 of the New Mexico
54 administrative code, unless otherwise noted, as adopted or amended by the AQCB.

55 **Z. "Potential to emit"** means the maximum capacity of a stationary source to emit any air pollutant
56 under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit

1 an air pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or
2 amount of material combusted, stored or processed, shall be treated as part of its design if the limitation is
3 enforceable by the EPA administrator.

4 **AA. "Program trigger date"** means the date that the department determines that the WEB trading
5 program has been triggered in accordance with the provisions of Section ~~[D of Chapter VI of the SO₂ milestones and~~
6 ~~backstop trading program]~~ A2 of the implementation plan element.

7 **BB. "Program trigger years"** means the years shown in Table 3, column 3, ~~[of the SO₂ milestones~~
8 ~~and backstop trading program]~~ under Part C of the implementation plan element for the applicable milestone if the
9 WEB trading program is triggered as described in ~~[Chapter V(D) of the SO₂ milestones and backstop trading~~
10 ~~program]~~ Section A of the implementation plan element.

11 **CC. "Renewable energy resource"** means a resource that generates electricity by non-nuclear and
12 non-fossil technologies that ~~[results] result~~ in low or no air emissions. ~~[The] This~~ term includes electricity generated
13 by wind energy technologies; solar photovoltaic and solar thermal technologies; geothermal technologies;
14 technologies based on landfill gas and biomass sources, and new low-impact hydropower that ~~[meets] meet~~ the low-
15 impact hydropower institute criteria. Biomass includes agricultural, food and wood wastes. The term does not
16 include pumped storage or biomass from municipal solid waste, black liquor, or treated wood.

17 **DD. "Retired source"** means a WEB source that has received a retired source exemption as provided
18 in Subsection E of 20.11.46.11 NMAC. Any retired source resuming operations under Subsection E of 20.11.46.11
19 NMAC, must submit its exemption as part of its registration materials.

20 **EE. "Serial number"** means, when referring to allowances, the unique identification number assigned
21 to each allowance by the tracking systems administrator, in accordance with Subsection B of 20.11.46.14 NMAC.

22 **FF. "SO₂ emitting unit"** means any equipment that is located at a WEB source and that emits SO₂.

23 **GG. ~~["SO₂ milestones and backstop trading program implementation plan element"~~** means
24 ~~Section F of Chapter VI of the Section 309 Regional Haze State Implementation Plan Element: Albuquerque-~~
25 ~~Bernalillo County, New Mexico adopted by the AQCB on November 12, 2003.]~~ **RESERVED**

26 **HH. "Special Reserve Compliance Account"** means an account established in the allowance tracking
27 system under Subsection A of 20.11.46.15 NMAC for the purpose of recording allowances that a WEB source might
28 hold to demonstrate compliance with its allowance limitation for emission units that are monitored for SO₂ in
29 accordance with Subsection B of 20.11.46.16 NMAC.

30 ~~[HH.]~~ **II. "Stationary source"** means any building, structure, facility or installation that emits or
31 may emit any air pollutant subject to regulation under the Clean Air Act.

32 ~~[H.]~~ **JJ. "Submit"** means sent to the appropriate authority under the signature of the account
33 representative. For purposes of determining when something is submitted, an official U.S. postal service postmark,
34 or equivalent electronic time stamp, shall establish the date of submittal.

35 ~~[JJ.]~~ **KK. "Ton"** means 2000 pounds and, for any control period, any fraction of a ton equaling
36 1000 pounds or more shall be treated as one ton and any fraction of a ton equaling less than 1000 pounds shall be
37 treated as zero tons.

38 ~~[KK.]~~ **LL. "Tracking system administrator"** means the person designated by the department as
39 the administrator of the *allowance tracking system* and the emission-tracking database.

40 ~~[LL.]~~ **MM. "WEB source"** means a stationary source that meets the applicability requirements of
41 20.11.46.11 NMAC.

42 ~~[MM.]~~ **NN. "Western backstop sulfur dioxide (SO₂) trading program" or "WEB trading**
43 **program"** means all sections of 20.11.46 NMAC, but not Section 20.11.46.9 NMAC, triggered as a backstop in
44 accordance with the provisions in the ~~[SO₂ milestones and backstop trading program]~~ implementation plan element
45 to ensure that regional SO₂ emissions are reduced.
46 [20.11.46.7 NMAC - N, 12/31/03]

47
48 **20.11.46.8 VARIANCES:** No variances will be granted from requirements of ~~[this part]~~ 20.11.46 NMAC.
49 [20.11.46.8 NMAC - N, 12/31/03]

50
51 **20.11.46.9 EMISSION TRACKING REQUIREMENTS FOR SULFUR DIOXIDE EMISSION**
52 **INVENTORIES:** Beginning with the 2003 emission inventory, all stationary sources with actual emissions of one
53 hundred (100) tons per year or more of sulfur dioxide in the year 2000, or in any subsequent year, shall submit an
54 annual inventory of sulfur dioxide emissions. A source that meets these criteria, and then emits less than 100 tons
55 per year in a later year shall submit a sulfur dioxide inventory for tracking compliance with the regional sulfur

1 dioxide milestones until the western backstop sulfur dioxide trading program has been fully implemented and
2 emission tracking has occurred under 20.11.46.16 NMAC.

3 **A.** All sources meeting the criteria immediately above in 20.11.46.9 NMAC will be subject to the
4 following federally enforceable provisions:

- 5 (1) submit an annual inventory of sulfur dioxide emissions;
- 6 (2) document the emissions monitoring/estimation methodology used, and demonstrate that the
7 selected methodology is acceptable under the inventory program;
- 8 (3) include emissions from start up, shut down, and upset conditions in the annual total inventory;
- 9 (4) use 40 CFR Part 75 methodology for reporting emissions for all sources subject to the federal acid
10 rain program;

11 (5) maintain all records used in the calculation of the emissions, including but not limited to the
12 following:

- 13 (a) amount of fuel consumed;
 - 14 (b) percent sulfur content of fuel and how the content was determined;
 - 15 (c) quantity of product produced;
 - 16 (d) emissions monitoring data;
 - 17 (e) operating data; and
 - 18 (f) how the emissions are calculated.
- 19 (6) maintain records of any physical changes to facility operations or equipment, or any other
20 changes that may affect the emissions projections; and
- 21 (7) retain records for a minimum of 10 years from the date of establishment, or if the record was the
22 basis for an adjustment to the milestone, five years after the date of an implementation plan revision, whichever is
23 longer.

24 **B. Reporting Requirements.**

25 (1) Except as provided in Paragraph (2) of Subsection B of 20.11.46.9 NMAC, the owner or operator
26 shall submit the emission report by April 1 each year immediately following the year for which the source is
27 required to report emissions data.

28 ~~(1)-2~~ (2) Sources for which a date for submitting an annual emission report is specified in a current
29 operating permit issued under 20.11.42 NMAC, Operating Permits, shall submit such report on the date specified in
30 the permit. The Department shall provide a copy of the previous emissions report upon request by the owner or
31 operator of such source.

32 **C. Emissions report contents shall include.**

- 33 (1) The name, address, and physical location of the stationary source;
- 34 (2) The name and telephone number of the person to contact regarding the emissions report;
- 35 (3) A certification signed by the owner, or operator, or a responsible official as defined in 20.11.42
36 NMAC attesting that the statements and information contained in the emissions report are true and accurate to the
37 best knowledge and belief of the certifying official, and including the full name, title, signature, date of signature,
38 and telephone number of the certifying official. For sources subject to 20.11.42 NMAC, the certification shall be
39 made as required under 20.11.42 NMAC;
- 40 (4) smelters shall submit an annual report of sulfur input, in tons/year;
- 41 (5) for each emission point additional information may be required by the department:
 - 42 (a) stack and exhaust gas parameters;
 - 43 (b) type of control equipment and estimated control efficiency;
 - 44 (c) schedule of operation;
 - 45 (d) estimated actual emissions, including fugitive emissions and emissions occurring during
46 maintenance, start-ups, shutdowns, upsets, and downtime, of sulfur oxides, in tons per year, and a description of the
47 methods utilized to make such estimates, including calculations;
 - 48 (e) the annual process or fuel combustion rates; and
 - 49 (f) the fuel heat, sulfur, and ash content.

50 **D.** The department shall retain emission inventory records for non-utilities for 1996 and 1998 until
51 the year 2018 to ensure that changes in emissions monitoring techniques can be tracked.

52 [20.11.46.9 NMAC - N, 12/31/03]

53
54 **20.11.46.10 WEB TRADING PROGRAM TRIGGER:**

55 **A.** Except as provided in Subsection B of 20.11.46.10 NMAC, Sections 20.11.46.11 NMAC through
56 20.11.46.22 NMAC shall become effective on the program trigger date that is established in accordance with the

1 procedures outlined in [~~the SO₂ milestones and backstop trading program~~] Part C of the implementation plan
2 element.

3 **B.** 20.11.46.20 NMAC, Special Penalty Provisions for the Year 2018 Milestone, shall become
4 effective on January 1, 2018 and shall remain effective until the provisions of 20.11.46.20 NMAC have been fully
5 implemented.

6 [20.11.46.10 NMAC - N, 12/31/03]

7
8 **20.11.46.11 WEB TRADING PROGRAM APPLICABILITY**

9 **A. General applicability:** 20.11.46 NMAC applies to any stationary source or group of stationary
10 sources that are located on one or more contiguous or adjacent properties and which are under the control of the
11 same person or persons under common control, belonging to the same industrial grouping, and that are described in
12 Paragraphs (1) through (4) of Subsection B of [~~20.11.46.10 NMAC~~] 20.46.11 NMAC. A stationary source or group
13 of stationary sources shall be considered part of a single industrial grouping if all of the pollutant emitting activities
14 at such source or group of sources on contiguous or adjacent properties belong to the same major group (i.e., all
15 have the same two-digit code) as described in the *standard industrial classification manual*, 1987.

16 **B. The following are WEB sources.**

17 (1) All BART-eligible sources as defined in 40 CFR 51.301 that are [~~BART-eligible~~] subject to
18 BART due to SO₂ emissions.

19 (2) All stationary sources not meeting the criteria of Paragraph (1) of Subsection B of 20.11.46.11
20 NMAC, that have actual SO₂ emissions of 100 tons or more per year in the program trigger years or any subsequent
21 year. The fugitive emissions of a stationary source shall not be considered in determining whether it is a WEB
22 source unless the source belongs to one of the following categories of stationary source:

- 23 (a) coal cleaning plants (with thermal dryers);
- 24 (b) kraft pulp mills;
- 25 (c) portland cement plants;
- 26 (d) primary zinc smelters;
- 27 (e) iron and steel mills;
- 28 (f) primary aluminum ore reduction plants;
- 29 (g) primary copper smelters;
- 30 (h) municipal incinerators capable of charging more than 250 tons of refuse per day;
- 31 (i) hydrofluoric, sulfuric, or nitric acid plants;
- 32 (j) petroleum refineries;
- 33 (k) lime plants;
- 34 (l) phosphate rock processing plants;
- 35 (m) coke oven batteries;
- 36 (n) sulfur recovery plants;
- 37 (o) carbon black plants (furnace process);
- 38 (p) primary lead smelters;
- 39 (q) fuel conversion plants;
- 40 (r) sintering plants;
- 41 (s) secondary metal production plants;
- 42 (t) chemical process plants;
- 43 (u) fossil-fuel boilers (or combination thereof) totaling more than 250 million British thermal
44 units per hour heat input;
- 45 (v) petroleum storage and transfer units with a total storage capacity exceeding 300,000
46 barrels;
- 47 (w) taconite ore processing plants;
- 48 (x) glass fiber processing plants;
- 49 (y) charcoal production plants;
- 50 (z) fossil-fuel-fired steam electric plants of more than 250 million British thermal units per
51 hour heat input; or

52 (aa) any other stationary source category, which as of August 7, 1980 is being regulated under
53 Section 111 or 112 of the Clean Air Act.

54 (3) A new source that begins operation after the program trigger date and has the potential to emit
55 100 tons or more of SO₂ per year.

1 (4) The department may determine on a case-by-case basis, with concurrence from the EPA
2 administrator, that a source defined in Paragraph (2) of Subsection B of 20.11.46.11 NMAC is not a WEB source if
3 the source:

- 4 (a) in each of the previous five years had actual SO₂ emissions of less than 100 tons per year,
5 and
6 (b) had actual SO₂ emissions of 100 tons or more in a single year due to a temporary emission
7 increase that was caused by a sudden, infrequent, and not reasonably preventable failure of air pollution control
8 equipment, failure of process equipment, or a failure to operate in a normal or usual manner;
9 (c) took timely and reasonable action to minimize the temporary emission increase; and
10 (d) has corrected the failure of air pollution control equipment, process equipment, or process
11 by the time of the department's determination under 20.11.46.11 NMAC; or
12 (e) had to switch fuels or feedstocks on a temporary basis and as a result of an emergency
13 situation or unique and unusual circumstances besides cost of such fuels or feedstocks.

14 (5) A temporary emission increase due to poor maintenance or careless operation does not meet the
15 criteria of [\[this section\] 20.11.46.11 NMAC](#).

16 **C. Duration of program participation:** Except as provided for in Subsection D of 20.11.46.11
17 NMAC, once a source is subject to the WEB trading program, it will remain in the program every year thereafter.

18 **D. Application for retired source exemption:**

19 (1) Any WEB source that is retired shall apply for a retired source exemption. The WEB source may
20 only be considered retired if all SO₂ emitting units at the source are retired. The application shall contain the
21 following information:

- 22 (a) identification of the WEB source, including plant name and an appropriate identification
23 code in a format specified by the department;
24 (b) name of account representative;
25 (c) description of the status of the WEB source, including the date that the WEB source was
26 retired;
27 (d) signed certification that the WEB source is retired and will comply with the requirements of
28 Subsection D of 20.11.46.11 NMAC; and
29 (e) verification that the WEB source has a general account where any unused allowances or
30 future allocations will be recorded.

31 (2) **Responsibilities of retired sources:** The retired source exemption becomes effective when the
32 department notifies the source that the retired source exemption has been granted.

33 (3) A retired source shall be exempt from 20.11.46.16 NMAC and 20.11.46.19 NMAC, except as
34 provided below.

- 35 (a) A retired source shall not emit any SO₂ after the date the retired source exemption is
36 effective.
37 (b) A WEB source shall submit SO₂ emissions reports, as required by Subsection O of
38 20.11.46.16 NMAC for any time period the source was operating prior to the effective date of the retired source
39 exemption. The retired source shall be subject to the compliance provisions of 20.11.46.19 NMAC, including the
40 requirement to hold allowances in the source's compliance account to cover all SO₂ emissions prior to the date the
41 source was permanently retired.

42 (c) A retired source that is still in existence but no longer emitting SO₂ shall, for a period of
43 five years from the date the records are created, retain records demonstrating the effective date of the retired source
44 exemption for purposes of [\[this part\] 20.11.46 NMAC](#).

45 (4) **Resumption of operations.**

- 46 (a) Should a retired source desire to resume operation, the retired source shall submit
47 registration materials as follows:
48 (i) if the source is required to obtain a new source review permit or operating permit
49 under 20.11.41 NMAC, 20.11.42 NMAC, 20.11.60 NMAC or 20.11.61 NMAC prior to resuming operation, then the
50 source shall submit registration information as described in 20.11.46.13 NMAC and a copy of the retired source
51 exemption with the application required under 20.11.41 NMAC, 20.11.42 NMAC, 20.11.60 NMAC or 20.11.61
52 NMAC;
53 (ii) if the source is not required to obtain a new source review permit or operating permit
54 under 20.11.41 NMAC, 20.11.42 NMAC, 20.11.60 NMAC or 20.11.61 NMAC prior to resuming operation, then the
55 source shall submit registration information as described in Subsection A of 20.11.46.13 NMAC and a copy of the
56 retired source exemption to the department at least [\[ninety\] 90](#) days prior to resumption of operation.

1 (b) The retired source exemption shall automatically expire on the day the source resumes
2 operation.

3 (5) **Loss of future allowances:** A WEB source that is retired and that does not apply to the
4 department for a retired source exemption within 90 days of the date that the source is retired shall forfeit any
5 unused and future allowances. The abandoned allowances shall be retired by the *tracking system administrator*.
6 [20.11.46.11 NMAC - N, 12/31/03]

7
8 **20.11.46.12 ACCOUNT REPRESENTATIVE FOR WEB SOURCES:** Each WEB source must identify
9 one account representative and may also identify an alternate account representative who may act on behalf of the
10 account representative. Any representation, action, inaction or submission by the alternate account representative
11 will be deemed to be a representation, action, inaction or submission by the account representative.

12 **A. Identification and certification of an account representative.**

13 (1) The account representative and any alternate account representative shall be appointed by an
14 written agreement that makes the representations, actions, inactions or submissions of the account representative and
15 any alternate account representative binding on the owners and operators of the WEB source. A copy of the
16 agreement shall be provided to the department.

17 (2) The account representative shall submit to the department and the tracking system administrator a
18 signed and dated account certificate of representation (certificate) that contains the following elements:

19 (a) identification of the WEB source by plant name, state, and an appropriate identification
20 code in a format specified by the department;

21 (b) the name, address, e-mail (if available), telephone and facsimile number of the account
22 representative and any alternate;

23 (c) a list of owners and operators of the WEB source;

24 (d) information to be part of the emission tracking system database in accordance with ~~the SO₂~~
25 ~~milestones and backstop trading program] Part C of the implementation plan element; and the specific data elements~~
26 shall be as specified by the department to be consistent with the data system structure, and may include basic facility
27 information that may appear in other reports and notices submitted by the WEB source, such as county location,
28 industrial classification codes, and similar general facility information; and

29 (e) the following certification statement: "I certify that I was selected as the account
30 representative or alternate account representative, as applicable, by an agreement binding on the owners and
31 operators of the WEB source. I certify that I have all the necessary authority to carry out my duties and
32 responsibilities under the WEB trading program on behalf of the owners and operators of the WEB source and that
33 each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions and by
34 any decision or order issued to me by the department regarding the WEB trading program."

35 (3) Upon receipt by the department of the complete certificate, the account representative and any
36 alternate account representative represents and, by his or her representations, actions, inactions, or submissions,
37 legally binds each owner and operator of the WEB source in all matters pertaining to the WEB trading program.
38 The owners and operators shall be bound by any decision or order issued by the department regarding the WEB
39 trading program.

40 (4) No WEB allowance tracking system account shall be established for the WEB source until the
41 tracking system administrator has received a complete certificate. Once the account is established, the account
42 representative shall make all submissions concerning the account, including the deduction or transfer of allowances.

43 **B. Requirements and responsibilities.**

44 (1) The responsibilities of the account representative include, but are not limited to, the transferring
45 of allowances, and the submission of monitoring plans, registrations, certification applications, SO₂ emissions data
46 and compliance reports as required by 20.11.46 NMAC, and representing the source in all matters pertaining to the
47 WEB trading program.

48 (2) Each submission under this program shall be signed and certified by the account representative
49 for the WEB source. Each submission shall include the following truth and accuracy certification statement by the
50 account representative: "I am authorized to make this submission on behalf of the owners and operators of the WEB
51 source for which the submission is made. I certify under penalty of law that I have personally examined, and am
52 familiar with, the statements and information submitted in this document and all its attachments. Based on my
53 inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements
54 and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are
55 significant penalties for submitting false statements and information or omitting required statements and
56 information, including the possibility of fine or imprisonment."

1 **C. Changing the account representative or owners and operators.**

2 **(1) Changes to the account representative or the alternate account representative.** The account
3 representative or alternate account representative may be changed at any time by sending a complete superseding
4 certificate to the department and the tracking system administrator under Paragraph (3) of Subsection A of
5 20.11.46.12 NMAC, with the change taking effect upon receipt of such certificate by the department.
6 Notwithstanding any such change, all representations, actions, inactions, and submissions by the previous account
7 representative or alternate prior to the time and date when the tracking system administrator receives the superseding
8 certificate shall be binding on the new account representative and the owners and operators of the WEB source.

9 **(2) Changes in owners and operators.**

10 **(a)** Within 30 days of any change in the owners and operators of the WEB source, including
11 the addition of a new owner or operator, the account representative shall submit a revised certificate amending the
12 list of owners and operators to include such change.

13 **(b)** In the event a new owner or operator of a WEB source is not included in the list of owners
14 and operators submitted in the certificate, such new owner or operator shall be deemed to be subject to and bound by
15 the certificate, the representations, actions, inactions, and submissions of the account representative of the WEB
16 source, and the decisions, orders, actions, and inactions of the department as if the new owner or operator were
17 included in such list.

18 [20.11.46.12 NMAC - N, 12/31/03]

19
20 **20.11.46.13 REGISTRATION:**

21 **A. Deadlines.**

22 **(1)** Each source that is a WEB source on or before the program trigger date shall register by
23 submitting the initial certificate required in Subsection A of 20.11.46.12 NMAC to the department no later than 180
24 days after the program trigger date.

25 **(2)** Any existing source that becomes a WEB source after the program trigger date shall register by
26 submitting the initial certificate required in Subsection A of 20.11.46.12 NMAC to the department no later than
27 September 30 of the year following the inventory year in which the source exceeded the emission threshold.

28 **(3)** Any new WEB source shall register by submitting the initial certificate required in Subsection A
29 of 20.11.46.12 NMAC to the department prior to the commencement of operation.

30 **B. Integration into Permits.**

31 **(1)** Any allocation, transfer or deduction of allowance to or from the compliance account of a WEB
32 source shall not require revision of the WEB source's operating permit under 20.11.42 NMAC.

33 **(2)** After 20.11.46 NMAC is effective, a WEB source that is not required to have a permit under
34 20.11.41 NMAC, 20.11.60 NMAC or 20.11.61 NMAC, must at all times possess a valid 20.11.42 NMAC permit
35 that includes the requirements of 20.11.46 NMAC. If the WEB source does not possess a Title V permit under
36 20.11.42 NMAC, it may satisfy the requirements of paragraph (2) of Subsection B of 20.11.46.13 NMAC by
37 obtaining or modifying a permit under 20.11.41 NMAC, 20.11.60 NMAC or 20.11.61 NMAC that incorporates the
38 requirements of 20.11.46 NMAC. The source must at all times possess a valid permit that includes these
39 requirements.

40 [20.11.46.13 NMAC - N, 12/31/03]

41
42 **20.11.46.14 ALLOWANCE ALLOCATIONS:**

43 **A.** The tracking system administrator shall record the allowances for each WEB source in the
44 compliance account for a WEB source once the allowances are allocated by the department under Section ~~[F1 of~~
45 ~~Chapter VI of the SO₂ milestones and backstop trading program]~~ C1 of the implementation plan element. If
46 applicable, the tracking system administrator shall also record a portion of the SO₂ allowances in a WEB source's
47 special reserve compliance account for any allowances held in accordance with Subsection B of 20.11.46.16
48 NMAC. Under no circumstances shall allocations be made that would exceed the allocations available.

49 **B.** The tracking system administrator shall assign a serial number to each allowance in accordance
50 with Section ~~[F2 of the SO₂ milestones and backstop trading program]~~ C1.2 of the implementation plan element.

51 **C.** All allowances shall be allocated, recorded, transferred, or used as whole allowances. To
52 determine the number of whole allowances, the number of allowances shall be rounded down for decimals less than
53 0.50 and rounded up for decimals of 0.50 or greater.

54 **D.** An allowance is not a property right, and is a limited authorization to emit one ton of SO₂ valid
55 only for the purpose of meeting the requirements of 20.11.46 NMAC. No provision of this WEB trading program or

1 other law should be construed to limit the authority of the United States or the department to terminate or limit such
2 authorization.

3 **E. Early reduction bonus allocation:** Any WEB source that, between ~~[2003]~~ 2008 and the program
4 trigger year, reduces permitted annual SO₂ emissions to a level that is below the floor level allocation established for
5 that source in Section ~~[F1 of Chapter VI of the SO₂ milestones and backstop trading program]~~ C1 of the
6 implementation plan element may apply to the department for an early reduction bonus allocation. The application
7 shall be submitted no later than 90 days after the program trigger date. Any WEB source that applies and receives
8 early reduction bonus allocations shall retain the records referenced below for a minimum of five years after the
9 early reduction bonus allowance is certified in accordance with Section ~~[F1(d) of Chapter VI of the SO₂ milestones
10 and backstop trading program]~~ C1.1(a)(3) of the implementation plan element. The application for an early
11 reduction bonus allocation shall contain the following information:

12 (1) copies of all permits or other enforceable documents that include annual SO₂ emissions limits for
13 the WEB source during the period the WEB source was generating the early reductions; and such permits or
14 enforceable documents shall require monitoring for SO₂ emissions that meets the requirements in Subsection A and
15 Subsection C of 20.11.46.16 NMAC and monitoring provisions that were in effect one year prior to the beginning of
16 the credit generating period;

17 (2) copies of emissions monitoring reports, for one year prior to the beginning of the credit generating
18 period and for the period the WEB source was generating the early reductions, that document the actual annual SO₂
19 emissions; and the emissions monitoring reports during the credit generating period must demonstrate that the actual
20 annual SO₂ emissions were below the floor level allocation established for that source in Section F1 ~~[of Chapter VI
21 of the SO₂ milestones and backstop trading program]~~ C1 of the implementation plan element;

22 (3) demonstration that the floor level established for the source in accordance with Section ~~[F1 of
23 Chapter VI of the SO₂ milestones and backstop trading program]~~ C1 of the implementation plan element was
24 calculated using data that are consistent with the new monitoring methodology under Subsection A of 20.11.46.16
25 NMAC; and if new monitoring techniques change the floor level for the source, then a demonstration of the new
26 floor level based on new monitoring techniques shall be included in the application.

27 **F. Request for allowances for new WEB sources or modified WEB Sources.**

28 (1) A new WEB source or an existing WEB source that has increased production capacity through a
29 permitted change in operations under 20.11.41 NMAC, 20.11.60 NMAC or 20.11.61 NMAC may apply to the
30 department for an allocation from the new source set-aside, as outlined in Section ~~[F3 of Chapter VI of the SO₂
31 milestones and backstop trading program]~~ C1.3 of the implementation plan element. Under no circumstances shall
32 allocations be made that would exceed the allocations available.

33 (a) A new WEB source is eligible to apply for an annual allocation equal to the permitted
34 annual SO₂ emission limit for that source after the source has commenced operation.

35 (b) An existing WEB source is eligible to apply for an annual allocation equal to the permitted
36 annual SO₂ emission limit for that source that is attributable to any amount of production capacity that is greater
37 than the permitted production capacity for that source as of January 1, ~~[2003]~~ 2008.

38 (c) A source that has received a retired source exemption under Subsection D of 20.11.46.11
39 NMAC is not eligible to apply for an allocation from the new source set-aside.

40 (2) The application for an allocation from the new source set-aside shall contain the following
41 information:

42 (a) for existing WEB sources, documentation that shows the permitted production capacity of
43 the source before and after the new permit;

44 (b) for new WEB sources, documentation of the actual date of the commencement of operation
45 and a copy of the permit.

46 [20.11.46.14 NMAC - N, 12/31/03]

47
48 **20.11.46.15 ESTABLISHMENT OF ACCOUNTS:**

49 **A. Allowance tracking system accounts:** All WEB sources shall open a compliance account. Any
50 person may open a general account for holding and transferring allowances. In addition, if a WEB source conducts
51 monitoring under Subsection B of 20.11.46.16 NMAC, the WEB source shall open a special reserve compliance
52 account for allowances associated with units monitored under those provisions. The WEB source and account
53 representative shall have no rights to transfer allowances in or out of such special reserve compliance account. The
54 department shall allocate allowances to the account in accordance with Paragraph (5) of Subsection B of 20.11.46.16
55 NMAC and all such allowances for each control period shall be retired each year to comply with 20.11.46.19

1 NMAC. Under no circumstances shall allocations be made that would exceed the allocations available. To open
2 either type of account, an application that contains the following information shall be submitted:

3 (1) the name, mailing address, e-mail address, telephone number, and facsimile number of the
4 account representative; for a compliance account, include a copy of the account certificate of representation of the
5 account representative and any alternate as required in Paragraph (2) of Subsection A of 20.11.46.12 NMAC; and
6 for a general account, include the account certificate of representation of the account representative and any alternate
7 as required in Paragraph (2) of Subsection C of 20.11.46.15 NMAC;

8 (2) the WEB source or organization name;

9 (3) the type of account to be opened; and

10 (4) a signed certification of truth and accuracy by the account representative according to Paragraph
11 (2) of Subsection A of 20.11.46.12 NMAC and for compliance accounts and for general accounts, a certification of
12 truth and accuracy by the account representative according to Subsection D of 20.11.46.15 NMAC.

13 **B. Account representative for general accounts:** For a general account, one account representative
14 shall be identified and an alternate account representative may be identified and may act on behalf of the account
15 representative. Any representation, action, inaction or submission by the alternate account representative shall be
16 deemed to be a representation, action, inaction or submission by the account representative.

17 **C. Identification and certification of an account representative for general accounts.**

18 (1) The account representative and any alternate account representative shall be appointed by a
19 written agreement that makes the representations, actions, inactions or submissions of the account representative and
20 any alternate account representative binding on all persons who have an ownership interest with respect to
21 allowances held in the general account. A copy of the signed agreement shall be provided to the department.

22 (2) The account representative shall submit to the department and the tracking system administrator a
23 signed and dated account certificate of representation (certificate) that contains the following elements:

24 (a) the name, address, e-mail (if available), telephone and facsimile number of the account
25 representative and any alternate;

26 (b) the organization name;

27 (c) the following certification statement: "I certify that I was selected as the account
28 representative or alternate account representative, as applicable, by an agreement binding on all persons who have
29 an ownership interest in allowances in the general account with regard to matters concerning the general account. I
30 certify that I have all the necessary authority to carry out my duties and responsibilities under the WEB trading
31 program on behalf of said persons and that each such person shall be fully bound by my representations, actions,
32 inactions, or submissions and by any decision or order issued to me by the department regarding the general
33 account."

34 (3) Upon receipt by the department of the complete certificate, the account representative represents
35 and, by his or her representations, actions, inactions, or submissions, legally binds each person who has an
36 ownership interest in allowances held in the general account with regard to all matters concerning the general
37 account. Such persons shall be bound by any decision or order issued by the department.

38 (4) No WEB allowance tracking system general account shall be established until the tracking system
39 administrator has received a complete certificate. Once the account is established, the account representative shall
40 make all submissions concerning the account, including the deduction or transfer of allowances.

41 **D. Requirements and responsibilities:** Each submission for the general account shall be signed and
42 certified by the account representative for the general account. Each submission shall include the following truth
43 and accuracy certification statement by the account representative: "I am authorized to make this submission on
44 behalf of all ~~person~~ persons who have an ownership interest in allowances held in the general account. I certify
45 under penalty of law that I have personally examined, and am familiar with, the statements and information
46 submitted in this document and all its attachments. Based on my inquiry of those individuals with primary
47 responsibility for obtaining the information, I certify that the statements and information are to the best of my
48 knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting
49 false statements and information or omitting required statements and information, including the possibility of fine or
50 imprisonment."

51 **E. Changing the account representative:** The account representative or alternate account
52 representative may be changed at any time by sending a complete superseding certificate to the department and the
53 tracking system administrator under Paragraph (2) of Subsection C of 20.11.46.15 NMAC, with the change taking
54 effect upon receipt of such certificate by the department. Notwithstanding any such change, all representations,
55 actions, inactions, and submissions by the previous account representative or alternate prior to the time and date

1 when the department receives the superseding certificate shall be binding on the new account representative and all
2 persons having ownership interest with respect to allowances held in the general account.

3 **F. Changes to the account:** Any change to the information required in the application for an
4 existing account under Subsection A of 20.11.46.15 NMAC shall require a revision of the application.
5 [20.11.46.15 NMAC - N, 12/31/03]

6
7 **20.11.46.16 MONITORING, RECORD KEEPING AND REPORTING - GENERAL REQUIREMENTS**
8 **FOR MONITORING METHODS:**

9 **A. For** each SO₂ emitting unit at a WEB source the owner or operator shall comply with the
10 following, as applicable, to monitor and record SO₂ mass emissions:

11 (1) if a unit is subject to 40 CFR Part 75 under a requirement separate from the WEB trading
12 program, the unit shall meet the requirements contained in 40 CFR Part 75 with respect to monitoring, recording and
13 reporting SO₂ mass emissions;

14 (2) if a unit is not subject to 40 CFR Part 75 under a requirement separate from the WEB trading
15 program, a unit shall use one of the following monitoring methods, as applicable:

16 (a) a continuous emission monitoring system (CEMS) for SO₂ and flow that complies with all
17 applicable monitoring provisions in 40 CFR Part 75;

18 (b) if the unit is a gas- or oil-fired combustion device, the excepted monitoring methodology in
19 Appendix D to 40 CFR Part 75, or, if applicable, the low mass emissions (LME) provisions (with respect to SO₂
20 mass emissions only) of [\[Section\] 40 CFR 75.19](#) ~~[of 40 CFR Part 75]~~;

21 (c) one of the optional WEB protocols, if applicable, in 20.11.46.21 NMAC or 20.11.46.22
22 NMAC ; or

23 (d) a petition for site-specific monitoring that the source submits for approval by the
24 department and approval by the EPA in accordance with Paragraph (5) of Subsection O of 20.11.46.16 NMAC;

25 (3) a permanently retired unit shall not be required to monitor under Section 20.11.46.15 NMAC if
26 such unit was permanently retired and had no emissions for the entire period for which the WEB source implements
27 Paragraph (3) of Subsection A of 20.11.46.16, and the account representative certifies in accordance with Subsection
28 B of 20.11.46.19 NMAC that these conditions were met; and in the event that a permanently retired unit
29 recommences operation, the WEB source shall meet the requirements of 20.11.46.16 NMAC in the same manner as
30 if the unit was a new unit.

31 **B.** Notwithstanding Subsection A of 20.11.46.16 NMAC , the WEB source with a unit that meets one
32 of the conditions of Paragraph (1) of Subsection B of 20.11.46.16 NMAC may elect to have the provisions of
33 Paragraph (1) of Subsection B of 20.11.46.16 NMAC apply to that unit.

34 (1) Any of the following units may implement Subsection B of 20.11.46.16 NMAC:

35 (a) any smelting operation where all of the emissions from the operation are not ducted to a
36 stack; or

37 (b) any flare, except to the extent such flares are used as a fuel gas combustion device at a
38 petroleum refinery;

39 (c) any other type of unit without add-on SO₂ control equipment, if no control level was
40 assumed for the WEB source in establishing the floor level (and reducible allocation) provided in Section ~~[F1 of~~
41 ~~Chapter VI of the SO₂ milestones and backstop trading program]~~ C1 of the implementation plan element.

42 (2) For each unit covered by Subsection B of 20.11.46.16 NMAC, the account representative shall
43 submit a notice to request that Subsection B of 20.11.46.16 NMAC applies to one or more SO₂ emitting units at a
44 WEB source. The notice shall be submitted in accordance with the compliance dates specified in Paragraph (1) of
45 Subsection M of 20.11.46.16 NMAC, and shall include the following information (in a format specified by the
46 department with such additional, related information as may be requested):

47 (a) a notice of all units at the applicable source, specifying which of the units are to be covered
48 by Subsection B of 20.11.46.16 NMAC; and

49 (b) consistent with the emission estimation methodology used to determine the floor level (and
50 reducible allocation) for the source in accordance with Section ~~[F1 of Chapter VI of the SO₂ milestones and~~
51 ~~backstop trading program]~~ C1 of the implementation plan element, the portion of the WEB source's overall
52 allowance allocation that is attributable to any unit(s) covered by Paragraph (2) of Subsection B of 20.11.46.16; and

53 (c) an identification of any such units that are permanently retired.

54 (3) For each new unit at an existing WEB source for which the WEB source seeks to comply with
55 this Subsection B of 20.11.46.16 NMAC, and for which the account representative applies for an allocation under
56 the new source set-aside provisions of Subsection F of 20.11.46.14 NMAC, the account representative shall submit a

1 modified notice under Paragraph (2) of Subsection B of 20.11.46.16 NMAC, that includes such new SO₂ emitting
2 unit(s). The modified notice shall be submitted in accordance with the compliance dates in Paragraph (1) of
3 Subsection M of 20.11.46.16 NMAC, but no later than the date on which a request must be submitted under
4 Paragraph (1) of Subsection F of 20.11.46.14 NMAC for allocations from the set-aside.

5 (4) The department shall evaluate the information submitted by the WEB source in Paragraphs (2)
6 and (3) of Subsection B of 20.11.46.16 NMAC, and may issue a notice to the source to exclude any units that do not
7 qualify under this Subsection B of 20.11.46.16 NMAC or to adjust the portion of allowances attributable to units
8 that do qualify to be consistent with the emission estimation methodology used to establish the floor level (and
9 reducible allocation) for the source.

10 (5) The department shall allocate allowances equal to the adjusted portion of the WEB source's
11 allowances under Paragraphs (2), (3), and (4) of Subsection B of 20.11.46.16 NMAC in a special reserve
12 compliance account provided that no such treatment of the WEB source's allocation will be required for any unit
13 that is permanently retired and had no emissions for the entire period for which the WEB source implements
14 Subsection B of 20.11.46.16 NMAC and the account representative certifies in accordance with 20.11.46.19 NMAC
15 that these conditions are met. In the event that a permanently retired unit recommences operation, the WEB source
16 shall meet the requirements of Section 20.11.46.16 NMAC in the same manner as if the unit was a new unit.

17 (6) For each unit under this Subsection B of 20.11.46.16 NMAC, the account representative for a
18 WEB source shall submit an annual emissions statement in accordance with Subsection O of 20.11.46.16 NMAC.
19 The WEB source shall maintain operating records sufficient to estimate annual emissions in a manner consistent
20 with the emission estimation methodology used to establish the floor level (and reducible allocation) for the source.
21 In addition, if the estimated emissions from all such units at the WEB source are greater than the allowances for the
22 current control year held in the special reserve compliance account under Paragraph (5) of Subsection B of
23 20.11.46.16 NMAC for the WEB source, the account representative shall report the excess amount as part of the
24 annual report for the WEB source under 20.11.46.19 NMAC and the WEB source shall use other allowances in the
25 standard compliance account for the WEB source to account for such emissions, in accordance with 20.11.46.19
26 NMAC.

27 (7) The remaining provisions of 20.11.46.16 NMAC shall not apply to units covered by Subsection B
28 of 20.11.46.16 NMAC except where otherwise noted.

29 (8) A WEB source may opt to modify the monitoring for an SO₂ emitting unit to use monitoring
30 under Subsection A of 20.11.46.16 NMAC, but any such monitoring change shall take effect on January 1 of the
31 next compliance year. In addition, the account representative shall submit an initial monitoring plan at least 180
32 days prior to the date on which the new monitoring will take effect and a detailed monitoring plan in accordance
33 with Subsection D of 20.11.46.16 NMAC. The account representative shall also submit a revised notice under
34 Subsection B of 20.11.46.16 NMAC at the same time that the initial monitoring plan is submitted.

35 C. For any monitoring that the WEB source uses under 20.11.46.16 NMAC (including Paragraph B
36 of Section 20.11.46.16 NMAC), the WEB source (and, as applicable, the account representative) shall implement,
37 certify, and use such monitoring in accordance with 20.11.46.16 NMAC, and shall record and report the data from
38 such monitoring as required in 20.11.46.16 NMAC. In addition, the WEB source (and, as applicable, the account
39 representative) shall not:

40 (1) except for an alternative approved by the EPA administrator for a WEB source that implements
41 monitoring under Paragraph (1) of Subsection A of 20.11.46.16 NMAC, use an alternative monitoring system,
42 alternative reference method or another alternative for the required monitoring method without having obtained
43 prior written approval in accordance with Paragraph (5) of Subsection O of 20.11.46.16 NMAC;

44 (2) operate an SO₂ emitting unit so as to discharge, or allow to be discharged, SO₂ emissions to the
45 atmosphere without accounting for these emissions in accordance with the applicable provisions of 20.11.46.16
46 NMAC;

47 (3) disrupt the approved monitoring method or any portion thereof, and thereby avoid monitoring and
48 recording SO₂ mass emissions discharged into the atmosphere, except for periods of recertification or periods when
49 calibration, quality assurance testing or maintenance is performed in accordance with the applicable provisions of
50 20.11.46.16 NMAC ; or

51 (4) retire or permanently discontinue use of an approved monitoring method, except under one of the
52 following circumstances:

53 (a) during a period when the unit is exempt from the requirements of 20.11.46.16 NMAC ,
54 including retirement of a unit as addressed in Paragraph (3) of Subsection A of 20.11.46.16 NMAC;

1 (b) the WEB source is monitoring emissions from the unit with another certified monitoring
2 method approved under 20.11.46.16 NMAC for use at the unit that provides data for the same parameter as the
3 retired or discontinued monitoring method; or

4 (c) the account representative submits notification of the date of certification testing of a
5 replacement monitoring system in accordance with 20.11.46.16 NMAC, and the WEB source recertifies thereafter a
6 replacement monitoring system in accordance with the applicable provisions of 20.11.46.16 NMAC.

7 **D. Monitoring plan general provisions:** The ~~[WEB source]~~ owner or operator of an SO₂ emitting
8 unit that uses a monitoring method under Paragraph (2) of Subsection A of 20.11.46.16 NMAC shall meet the
9 following requirements:

10 (1) prepare and submit to the department an initial monitoring plan for each monitoring method that
11 the WEB source uses to comply with 20.11.46.16 NMAC; and in accordance with Subsection F of 20.11.46.16
12 NMAC, the plan shall contain sufficient information on the units involved, the applicable method, and the use of
13 data derived from that method to demonstrate that all unit SO₂ emissions are monitored and reported; and the plan
14 shall be submitted in accordance with the compliance deadlines specified in Subsection M of 20.11.46.16 NMAC;

15 (2) prepare, maintain and submit to the department a detailed monitoring plan prior to the first day of
16 certification testing in accordance with the compliance deadline specified in Subsection M of 20.11.46.16 NMAC;
17 the plan shall contain the applicable information required by Subsection D of 20.11.46.16 NMAC; the department
18 may require that the monitoring plan (or portions thereof) be submitted electronically; and the department also may
19 require that the plan be submitted on an ongoing basis in electronic format as part of the quarterly report submitted
20 under Paragraph (1) of Subsection O of 20.11.46.16 NMAC or resubmitted separately after any change is made to
21 the plan in accordance with the following Paragraph (3) of Subsection D of 20.11.46.16 NMAC;

22 (3) whenever the WEB source makes a replacement, modification, or change in one of the systems or
23 methodologies provided for in Paragraph (2) of Subsection A of 20.11.46.16 NMAC, including a change in the
24 automated data acquisition and handling system or in the flue gas handling system, that affects information reported
25 in the monitoring plan (e.g., a change to serial number for a component of a monitoring system), then the WEB
26 source shall update the monitoring plan ~~[in accordance with the compliance deadline specified in Subsection M of~~
27 ~~20.11.46.16 NMAC]~~ within 90 days of the replacement, modification, or change.

28 **E.** A WEB source with an SO₂ emitting unit that uses a method under Paragraph (1) of Subsection A
29 of 20.11.46.16 NMAC (a unit subject to 40 CFR Part 75 under a program other than this WEB trading program)
30 shall meet the requirements of Subsection D through Subsection I of 20.11.46.16 NMAC by preparing, maintaining
31 and submitting a monitoring plan in accordance with the requirements of 40 CFR Part 75, provided that the WEB
32 source also shall submit the entire monitoring plan to the department upon request.

33 **F. Initial monitoring plan:** The account representative shall submit an initial monitoring plan for
34 each SO₂ emitting unit (or group of units sharing a common methodology) that, except as otherwise specified in an
35 applicable provision in 20.11.46.21 NMAC, contains the following information:

36 (1) for all SO₂ emitting units involved in the monitoring plan:

37 (a) plant name and location;

38 (b) plant and unit identification numbers assigned by the department;

39 (c) type of unit (or units for a group of units using a common monitoring methodology);

40 (d) identification of all stacks or pipes associated with the monitoring plan;

41 (e) types of fuel(s) fired (or sulfur containing process materials used in the SO₂ emitting unit),
42 and the fuel classification of the unit if combusting more than one type of fuel and using a 40 CFR Part 75
43 methodology;

44 (f) type(s) of emissions controls for SO₂ installed or to be installed, including specifications of
45 whether such controls are pre-combustion, post-combustion, or integral to the combustion process;

46 (g) maximum hourly heat input capacity, or process throughput capacity, if applicable;

47 (h) identification of all units using a common stack; and

48 (i) indicator of whether any stack identified in the plan is a bypass stack;

49 (2) for each unit and parameter required to be monitored, identification of monitoring methodology
50 information, consisting of monitoring methodology, monitor locations, substitute data approach for the
51 methodology, and general identification of quality assurance procedures; and if the proposed methodology is a site-
52 specific methodology submitted pursuant to Subparagraph (d) of Paragraph (2) of Subsection A of 20.11.46.16
53 NMAC, the description under Paragraph (2) of Subsection D of 20.11.46.16 NMAC shall describe fully all aspects
54 of the monitoring equipment, installation locations, operating characteristics, certification testing, ongoing quality
55 assurance and maintenance procedures, and substitute data procedures;

1 (3) if the WEB source intends to petition for a change to any specific monitoring requirement
2 otherwise required under 20.11.46.16 NMAC , such petition may be submitted as part of the initial monitoring plan;

3 (4) the department may issue a notice of approval or disapproval of the initial monitoring plan based
4 on the compliance of the proposed methodology with the requirements for monitoring in 20.11.46.16 NMAC.

5 **G. Detailed monitoring plan:** The account representative shall submit a detailed monitoring plan
6 that, except as otherwise specified in an applicable [\[provisions\] provision](#) in 20.11.46.21 NMAC or 20.11.46.22
7 NMAC, shall contain the following information:

8 (1) identification and description of each monitoring component (including each monitor and its
9 identifiable components, such as analyzer or probe) in a CEMS (e.g., SO₂ pollutant concentration monitor, flow
10 monitor, moisture monitor), a 40 CFR Part 75, Appendix D monitoring system (e.g., fuel flowmeter, data acquisition
11 and handling system), or a protocol in 20.11.46.21 NMAC or 20.11.46.22 NMAC, including:

12 (a) manufacturer, model number and serial number;

13 (b) component or system identification code assigned by the facility to each identifiable
14 monitoring component, such as the analyzer or probe;

15 (c) designation of the component type and method of sample acquisition or operation (e.g., in
16 situ pollutant concentration monitor or thermal flow monitor);

17 (d) designation of the system as a primary or backup system;

18 (e) first and last dates the system reported data;

19 (f) status of the monitoring component; and

20 (g) parameter monitored;

21 (2) identification and description of all major hardware and software components of the automated
22 data acquisition and handling system, including:

23 (a) hardware components that perform emission calculations or store data for quarterly
24 reporting purposes (provide the manufacturer and model number); and

25 (b) software components (provide the identification of the provider and model or version
26 number);

27 (3) explicit formulas for each measured emissions parameter, using component or system
28 identification codes for the monitoring system used to measure the parameter that links the system observations with
29 the reported concentrations and mass emissions; the formulas shall contain all constants and factors required to
30 derive mass emissions from component or system code observations and an indication of whether the formula is
31 being added, corrected, deleted, or is unchanged; and the WEB source with a low mass emissions unit for which the
32 WEB source is using the optional low mass emissions excepted methodology in [\[Section\] 40 CFR 75.19\(c\) \[ef 40](#)
33 [CFR Part 75\]](#) is not required to report such formulas;

34 (4) inside cross-sectional area (square feet) at flow monitoring location (for units with flow monitors,
35 only);

36 (5) if using CEMS for SO₂ and flow, for each parameter monitored: scale, maximum potential
37 concentration (and method of calculation), maximum expected concentration (if applicable, and method of
38 calculation), maximum potential flow rate (and method of calculations), span value, full-scale range, daily
39 calibration units of measure, span effective date and hour, span inactivation date and hour, indication of whether
40 dual spans are required, default high range value, flow rate span, and flow rate span value and full scale value in
41 standard cubic feet per hour (scfh) for each unit or stack using SO₂ or flow component monitors;

42 (6) if the monitoring system or excepted methodology provides for use of a constant, assumed, or
43 default value for a parameter under specific circumstances, then the following information for each value of such
44 parameter shall be included:

45 (a) identification of the parameter;

46 (b) default, maximum, minimum, or constant value, and units of measure for the value;

47 (c) purpose of the value;

48 (d) indicator of use during controlled and uncontrolled hours;

49 (e) types of fuel;

50 (f) source of the value;

51 (g) value effective date and hour;

52 (h) date and hour value is no longer effective (if applicable); and

53 (i) for units using the excepted methodology under [\[Section\] 40 CFR 75.19 \[ef 40-CFR Part](#)
54 [75\]](#), the applicable SO₂ emission factor;

55 (7) unless otherwise specified in Section 6.5.2.1 of Appendix A to 40 CFR Part 75, for each unit or
56 common stack on which hardware CEMS are installed:

- 1 (a) the upper and lower boundaries of the range of operation (as defined in Section 6.5.2.1 of
2 Appendix A to 40 CFR Part 75), or thousands of lb/hr of steam, or ft/sec (as applicable);
3 (b) the load or operating level(s) designated as normal in Section 6.5.2.1 of Appendix A to 40
4 CFR Part 75, or thousands of pounds per hour lb/hr of steam, or feet per second ft/sec (as applicable);
5 (c) the two load or operating levels (i.e., low, mid, or high) identified in Section 6.5.2.1 of
6 Appendix A to 40 CFR Part 75 as the most frequently used;
7 (d) the date of the data analysis used to determine the normal load (or operating) level(s) and
8 the two most frequently-used load (or operating) levels; and
9 (e) activation and deactivation dates when the normal load or operating level(s) change and are
10 updated.

11 (8) for each unit that is complying with 40 CFR Part 75 for which the optional fuel flow-to-load test
12 in Section 2.1.7 of Appendix D to 40 CFR Part 75 is used:

13 (a) the upper and lower boundaries of the range of operation (as defined in Section 6.5.2.1 of
14 Appendix A to 40 CFR Part 75), expressed in thousands of lb/hr of steam;

15 (b) the load level designated as normal, pursuant to Section 6.5.2.1 of Appendix A to 40 CFR
16 Part 75, expressed in thousands of lb/hr of steam; and

17 (c) the date of the load analysis used to determine the normal load level.

18 (9) information related to quality assurance testing, including (as applicable): identification of the
19 test strategy; protocol for the relative accuracy test audit; other relevant test information; calibration gas levels
20 (percent of span) for the calibration error test and linearity check; calculations for determining maximum potential
21 concentration, maximum expected concentration (if applicable), maximum potential flow rate, and span;

22 (10) if applicable, apportionment strategies under [\[Sections\] 40 CFR 75.10 through 75.18](#) [\[of 40 CFR](#)
23 [Part 75\]](#);

24 (11) description of site locations for each monitoring component in a monitoring system, including
25 schematic diagrams and engineering drawings and any other documentation that demonstrates each monitor location
26 meets the appropriate siting criteria; and for units monitored by a continuous emission monitoring system, diagrams
27 shall include:

28 (a) a schematic diagram identifying entire gas handling system from unit to stack for all units,
29 using identification numbers for units, monitor components, and stacks corresponding to the identification numbers
30 provided in the initial monitoring plan and Paragraphs (1) and (3) of Subsection G of 20.11.46.16 NMAC; the
31 schematic diagram must depict the height of any monitor locations; and comprehensive or separate schematic
32 diagrams shall be used to describe groups of units using a common stack;

33 (b) stack and duct engineering diagrams showing the dimensions and locations of fans, turning
34 vanes, air preheaters, monitor components, probes, reference method sampling ports, and other equipment that
35 affects the monitoring system location, performance, or quality control checks;

36 (12) a data flow diagram denoting the complete information-handling path from output signals of
37 CEMS components to final reports.

38 **H.** In addition to supplying the information in Subsections F and G of 20.11.46.16 NMAC above, the
39 WEB source with an SO₂ emitting unit using either of the methodologies in Subparagraph (b) of Paragraph (2) of
40 Subsection A of 20.11.46.16 NMAC shall include the following information in its monitoring plan for the specific
41 situations described:

42 (1) for each gas-fired or oil-fired SO₂ emitting unit for which the WEB source uses the optional
43 protocol in Appendix D to 40 CFR Part 75 for SO₂ mass emissions, the WEB source shall include the following
44 information in the monitoring plan:

45 (a) parameter monitored;

46 (b) type of fuel measured, maximum fuel flow rate, units of measure, and basis of maximum
47 fuel flow rate (i.e., upper range value or unit maximum) for each fuel flowmeter;

48 (c) test method used to check the accuracy of each fuel flowmeter;

49 (d) submission status of the data;

50 (e) monitoring system identification code;

51 (f) the method used to demonstrate that the unit qualifies for monthly gross calorific value
52 (GCV) sampling or for daily or annual fuel sampling for sulfur content, as applicable;

53 (g) a schematic diagram identifying the relationship between the unit, all fuel supply lines, the
54 fuel flowmeter(s), and the stack(s); the schematic diagram must depict the installation location of each fuel
55 flowmeter and the fuel sampling location(s); and comprehensive and separate schematic diagrams shall be used to
56 describe groups of units using a common pipe;

1 (h) for units using the optional default SO₂ emission rate for "pipeline natural gas" or "natural
2 gas" in Appendix D to 40 CFR Part 75, the information on the sulfur content of the gaseous fuel used to demonstrate
3 compliance with either Section 2.3.1.4 or 2.3.2.4 of Appendix D to 40 CFR Part 75;

4 (i) for units using the 720 hour test under Section 2.3.6 of Appendix D to 40 CFR Part 75 to
5 determine the required sulfur sampling requirements, report the procedures and results of the test; and

6 (j) for units using the 720 hour test under Section 2.3.5 of Appendix D to 40 CFR Part 75 to
7 determine the appropriate fuel GCV sampling frequency, report the procedures used and the results of the test;

8 (2) for each SO₂ emitting unit for which the WEB source uses the low mass emission excepted
9 methodology of [\[section\] 40 CFR 75.19 \[of 40 CFR Part 75\]](#), the WEB source shall include the following
10 information in the monitoring plan that accompanies the initial certification application:

11 (a) the results of the analysis performed to qualify as a low mass emissions unit under [\[Section\]](#)
12 [40 CFR 75.19\(c\) \[of 40 CFR Part 75\]](#); this report shall include either the previous three years actual or projected
13 emissions; and the following items shall be included: a) current calendar year of application; b) type of
14 qualification; c) years one, two, and three; d) annual measured, estimated or projected SO₂ mass emissions for years
15 one, two, and three; and e) annual operating hours for years one, two, and three;

16 (b) a schematic diagram identifying the relationship between the unit, all fuel supply lines and
17 tanks, any fuel flowmeter(s), and the stack(s); and comprehensive or separate schematic diagrams shall be used to
18 describe groups of units using a common pipe;

19 (c) for units which use the long term fuel flow methodology under [\[section\] 40 CFR](#)
20 [75.19\(c\)\(3\) \[to 40 CFR Part 75\]](#), a diagram of the fuel flow to each unit or group of units and a detailed description
21 of the procedures used to determine the long term fuel flow for a unit or group of units for each fuel combusted by
22 the unit or group of units;

23 (d) a statement that the unit burns only gaseous fuel(s) and/or fuel oil and a list of the fuels that
24 are burned or a statement that the unit is projected to burn only gaseous fuel(s) and/or fuel oil and a list of the fuels
25 that are projected to be burned;

26 (e) a statement that the unit meets the applicability requirements in [\[Sections\] 40 CFR 75.19\(a\)](#)
27 and (b) [\[of 40 CFR Part 75\]](#) with respect to SO₂ emissions; and

28 (f) any unit historical actual, estimated and projected SO₂ emissions data and calculated SO₂
29 emissions data demonstrating that the unit qualifies as a low mass emissions unit under [\[Sections\] 40 CFR 75.19\(a\)](#)
30 and (b) [\[of 40 CFR Part 75\]](#).

31 (3) for each gas-fired unit the WEB source shall include the following in the monitoring plan: current
32 calendar year, fuel usage data as specified in the definition of gas-fired in [\[Section\] 40 CFR 72.2 \[of 40 CFR Part](#)
33 [72\]](#), and an indication of whether the data are actual or projected data.

34 **I.** The specific elements of a monitoring plan under Subsection D of 20.11.46.16 NMAC shall not be
35 part of an operating permit for a WEB source issued in accordance with the Title V of the Clean Air Act, and
36 modifications to the elements of the plan shall not require a permit modification.

37 **J. Certification and recertification:**

38 (1) All monitoring systems are subject to initial certification and recertification testing as specified in
39 40 CFR Part 75, 20.11.46.21 NMAC or; 20.11.46.22 NMAC. Certification or recertification of a monitoring system
40 by the EPA for a WEB source that is subject to 40 CFR Part 75 under a requirement separate from 20.11.46 NMAC
41 shall constitute certification under the WEB Trading Program.

42 (2) The WEB source with an SO₂ emitting unit not otherwise subject to 40 CFR Part 75 that monitors
43 SO₂ mass emissions in accordance with 40 CFR Part 75 to satisfy the requirements of 20.11.46.16 NMAC shall
44 perform all of the tests required by that regulation and shall submit the following:

45 (a) a test notice, not later than 21 days before the certification testing of the monitoring system,
46 provided that the department may establish additional requirements for adjusting test dates after this notice as part of
47 the approval of the initial monitoring plan under Subsection F of 20.11.46.16 NMAC;

48 (b) an initial certification application within 45 days after testing is complete;

49 (c) a monitoring system shall be considered provisionally certified while the application is
50 pending, and the system shall be deemed certified if the department does not approve or disapprove the system
51 within six months after the date on which the application is submitted;

52 (d) both at the time of the initial certification or recertification application submission and at
53 the time of the audit, if an audit of any monitoring certified under 20.11.46 NMAC, and a review of the initial
54 certification or recertification application, reveal that any system or component should not have been certified or
55 recertified because it did not meet a particular performance specification or other requirement of 20.11.46 NMAC,
56 the department will issue a notice of disapproval of the certification status of such system or component; for the

1 purposes of Paragraph (2) of Subsection J of 20.11.46.16 NMAC, an audit shall be either a field audit of the facility
2 or an audit of any information submitted to the department regarding the facility; by issuing the notice of
3 disapproval, the certification status is revoked prospectively, and the data measured and recorded shall not be
4 considered valid quality-assured data from the date of issuance of the notification of the revoked certification status
5 until the date and time that the WEB source completes subsequently approved initial certification or recertification
6 tests in accordance with the procedures in Subsection J of 20.11.46.16 NMAC; and the WEB source shall apply the
7 substitute data procedures in Subsection L of 20.11.46.16 NMAC to replace, prospectively, all of the invalid,
8 non-quality-assured data for each disapproved system or component.

9 **K. Ongoing quality assurance and quality control:** The WEB source shall satisfy the applicable
10 quality assurance and quality control requirements of 40 CFR Part 75 or, if the WEB source is subject to a WEB
11 protocol in 20.11.46.21 NMAC, the applicable quality assurance and quality control requirements in 20.11.46.21
12 NMAC on and after the date that certification testing commences.

13 **L. Substitute data procedures:**

14 (1) For any period after certification testing is complete in which quality assured, valid data are not
15 being recorded by a monitoring system certified and operating in accordance with 20.11.46 NMAC, missing or
16 invalid data shall be replaced with substitute data in accordance with 40 CFR Part 75 or, if the WEB source is
17 subject to a WEB protocol in 20.11.46.21 NMAC or 20.11.46.22 NMAC, with substitute data in accordance with
18 20.11.46.21 NMAC.

19 (2) For an SO₂ emitting unit that does not have a certified or provisionally certified monitoring
20 system in place as of the beginning of the first control period for which the unit is subject to the WEB trading
21 program, the WEB source shall:

22 (a) if the WEB Source will use a CEMS to comply with 20.11.46.16 NMAC, substitute the
23 maximum potential concentration of SO₂ for the unit and the maximum potential flow rate, as determined in
24 accordance with 40 CFR Part 75; and the procedures for conditional data validation under Section 75.20(b)(3) may
25 be used for any monitoring system under 20.11.46 NMAC that uses these 40 CFR Part 75 procedures, as applicable;

26 (b) if the WEB source will use the 40 CFR Part 75 Appendix D methodology, substitute the
27 maximum potential sulfur content, density or gross calorific value for the fuel and the maximum potential fuel flow
28 rate, in accordance with Section 2.4 of Appendix D to 40 CFR Part 75;

29 (c) if the WEB source will use the 40 CFR Part 75 methodology for low mass emissions units,
30 substitute the SO₂ emission factor required for the unit as specified in 40 CFR 75.19 and the maximum rated hourly
31 heat input, as defined in 40 CFR 72.2; or

32 (d) if using a protocol in 20.11.46.21 NMAC or 20.11.46.22 NMAC, follow the procedures in
33 the applicable protocol.

34 **M. Compliance deadline:**

35 (1) The initial monitoring plan shall be submitted by the following dates:

36 (a) for each source that is a WEB source on or before the program trigger date, the monitoring
37 plan shall be submitted 180 days after such program trigger date;

38 (b) for any existing source that becomes a WEB source after the program trigger date, the
39 monitoring plan shall be submitted by September 30 of the year following the inventory year in which the source
40 exceeded the emissions threshold;

41 (c) for any new WEB source, the monitoring plan shall be included with the permit application
42 under 20.11.41 NMAC, 20.11.42 NMAC, 20.11.60 NMAC or 20.11.61 NMAC.

43 (2) A detailed monitoring plan under Subsection E of 20.11.46.16 NMAC shall be submitted no later
44 than 45 days prior to commencing certification as required by Paragraph (3) of Subsection M of 20.11.46.16
45 NMAC.

46 (3) Emission monitoring systems shall be installed, operational and shall have met all of the
47 certification testing requirements of this 20.11.46.16 NMAC (including any referenced in 20.11.46.21 NMAC or
48 20.11.46.22 NMAC) by the following dates:

49 (a) for each source that is a WEB source on or before the program trigger date, two years prior
50 to the start of the first control period as described in 20.11.46.19 NMAC;

51 (b) for any existing source that becomes a WEB source after the program trigger date, one year
52 after the due date for the monitoring plan under Subparagraph (b) of Paragraph (2) of Subsection M of 20.11.46.16
53 NMAC.

54 (c) for any new WEB source, or any new unit at a WEB source under Subparagraph (a) or (b)
55 of Paragraph (3) of Subsection M of 20.11.46.16 NMAC, the earlier of 90 unit operating days or 180 calendar days
56 after the date the new source commences operation.

1 (4) The WEB source shall submit test notices and certification applications in accordance with the
2 deadlines set forth in Paragraph (2) of Subsection J of 20.11.46.16 NMAC.

3 (5) For each applicable control period, the WEB source shall submit each quarterly report under
4 Subsection O of 20.11.46.16 NMAC by no later than 30 days after the end of each calendar quarter and shall submit
5 the annual report under Subsection O of 20.11.46.16 NMAC no later than 60 days after the end of each calendar
6 year.

7 **N. Record keeping:**

8 (1) [~~Except as provided in Paragraph (2) of Subsection N of 20.11.46.106 NMAC,~~] The WEB source
9 shall keep copies of all reports, registration materials, compliance certifications, sulfur dioxide emissions data,
10 quality assurance data, and other submissions under 20.11.46 NMAC for a period of five years. In addition, the
11 WEB source shall keep a copy of all account certificates of representation for the duration of this program. Unless
12 otherwise requested by the WEB source and approved by the department, the copies shall be kept on site at the
13 source.

14 (2) The WEB source shall keep records of all operating hours, quality assurance activities, fuel
15 sampling measurements, hourly averages for SO₂, stack flow, fuel flow, or other continuous measurements, as
16 applicable, and any other applicable data elements specified in 20.11.46.16 NMAC, 20.11.46.21 NMAC or in
17 20.11.46.22 NMAC. The WEB source shall maintain the applicable records specified in 40 CFR Part 75 for any
18 SO₂ emitting unit that uses a 40 CFR Part 75 monitoring method to meet the requirements of 20.11.46.16 NMAC.

19 **O. Reporting.**

20 (1) **Quarterly reports.** For each SO₂ emitting unit, the account representative shall submit a
21 quarterly report within 30 days after the end of each calendar quarter. The report shall be in a format specified by
22 the department to include hourly and quality assurance activity information and shall be submitted in a manner
23 compatible with the emissions tracking database designed for the WEB trading program. If the WEB source
24 submits a quarterly report under 40 CFR Part 75 to the EPA administrator, no additional report under Paragraph (1)
25 of Subsection O of 20.11.46.16 NMAC shall be required, provided, however, that the department may require that a
26 copy of that report (or a separate statement of quarterly and cumulative annual SO₂ mass emissions) be submitted
27 separately to the department.

28 (2) **Annual report.** Based on the quarterly reports, each WEB source shall submit an annual
29 statement of total annual SO₂ emissions for all SO₂ emitting units at the source. The annual report shall identify the
30 total emissions for all units monitored in accordance with Subsection A of 20.11.46.16 NMAC and the total
31 emissions for all units with emissions estimated in accordance with Subsection B of 20.11.46.16 NMAC. The
32 annual report shall be submitted within 60 days after the end of a control period.

33 (3) If the department so directs, any monitoring plan, report, certification, recertification, or
34 emissions data required to be submitted under 20.11.46.16 NMAC shall be submitted to the tracking system
35 administrator.

36 (4) The department may review and reject any report submitted under Subsection O of 20.11.46.16
37 NMAC that contains errors or fails to satisfy the requirements of 20.11.46.16 NMAC, and the account representative
38 shall resubmit the report to correct any deficiencies.

39 (5) A WEB source may petition for an alternative to any requirement specified in Paragraph (2) of
40 Subsection A of 20.11.46.16 NMAC. The petition shall require approval of the department and the EPA
41 administrator. Any petition submitted under Paragraph (5) of Subsection O of 20.11.46.16 NMAC shall include
42 sufficient information for the evaluation of the petition, including, at a minimum, the following information:

- 43 (a) identification of the WEB source and applicable SO₂ emitting unit(s);
44 (b) a detailed explanation of why the proposed alternative is being suggested in lieu of the
45 requirement;
46 (c) a description and diagram of any equipment and procedures used in the proposed
47 alternative, if applicable;
48 (d) a demonstration that the proposed alternative is consistent with the purposes of the
49 requirement for which the alternative is proposed and is consistent with the purposes of 20.11.46 NMAC and that
50 any adverse effect of approving such alternative will be de minimis; and
51 (e) any other relevant information that the department may require.

52 (6) For any monitoring plans, reports, or other information submitted under 20.11.46.16 NMAC, the
53 WEB source shall ensure that, where applicable, identifying information is consistent with the identifying
54 information provided in the most recent certificate of representation for the WEB source submitted under
55 20.11.46.12 NMAC.

56 [20.11.46.16 NMAC - N, 12/31/03]

1
2 **20.11.46.17 ALLOWANCE TRANSFERS:**

3 **A. Procedure:** To transfer allowances, the account representative shall submit the following
4 information to the tracking system administrator:

- 5 (1) the transfer account number(s) identifying the transferor account;
6 (2) the transfer account number(s) identifying the transferee account;
7 (3) the serial number of each allowance to be transferred; and
8 (4) the transferor's account representative's name and signature and date of submission.

9 **B. Deadline:** The allowance transfer deadline is midnight pacific standard time March 1 of each year
10 (or if this date is not a business day, midnight of the first business day thereafter) following the end of the control
11 period. By this time, the transfer of the allowances into the WEB source's compliance account must be correctly
12 submitted to the tracking system administrator in order to demonstrate compliance under Subsection A of
13 20.11.46.19 NMAC for that control period.

14 **C. Retirement of allowances:** To transfer allowances for the purpose of retirement, the account
15 representative shall submit the following information to the tracking system administrator:

- 16 (1) the transfer account number(s) identifying the transferor account;
17 (2) the serial number of each allowance to be retired; and
18 (3) the transferor's account representative's name and signature and date of submission accompanied

19 by a signed statement acknowledging that each retired allowance as no longer available for future transfers from or
20 to any account.

21 [20.11.46.17 NMAC - N, 12/31/03]
22

23 **20.11.46.18 USE OF ALLOWANCES FROM A PREVIOUS YEAR:**

24 **A.** Any allowance that is held in a compliance account or general account shall remain in such an
25 account unless and until the allowance is deducted in conjunction with the compliance process, or transferred to
26 another account.

27 **B.** In order to demonstrate compliance under Subsection A of 20.11.46.19 NMAC for a control
28 period, WEB sources shall only use allowances allocated for that current control period or any previous year.
29 Because all allowances held in a special reserve compliance account for a WEB source that monitors certain units in
30 accordance with Subsection B of 20.11.46.16 NMAC will be deducted for compliance for each control period, no
31 banking of such allowances for use in a subsequent year is permitted by 20.11.46 NMAC.

32 **C.** If flow control procedures for the current control period have been triggered as outlined in Section
33 ~~[F(9)(b) of Chapter VI of the SO₂ milestones and backstop trading program]~~ C4.2 of the implementation plan
34 element, then the use of allowances that were allocated for any previous year shall be limited as follows:

35 (1) the number of allowances that are held in each compliance account and general account as of the
36 allowance transfer deadline for the immediately previous year and that were allocated for any previous year shall be
37 determined;

38 (2) the number determined in Paragraph (1) of Subsection C of 20.11.46.18 NMAC shall be
39 multiplied by the flow control ratio established in accordance with Section ~~[F(9)(b) of the SO₂ milestones and~~
40 ~~backstop trading program]~~ C4.2 of the implementation plan element to determine the number of allowances that
41 were allocated for a previous year that can be used without restriction for the current control period;

42 (3) allowances that were allocated for a previous year in excess of the number determined in
43 Paragraph (2) of Subsection C of 20.11.46.18 NMAC may also be used for the current control period; and if such
44 allowances are used to make a deduction, two allowances shall be deducted for each deduction of one allowance
45 required under 20.11.46.19 NMAC.

46 **D.** Special provisions for the year 2018. After compliance with the 2017 allowance limitation has
47 been determined in accordance with Subsection A of 20.11.46.19 NMAC, allowances allocated for any year prior to
48 2018 shall not be used for determining compliance with the 2018 allowance limitation or any future allowance
49 limitation.

50 [20.11.46.18 NMAC - N, 12/31/03]
51

52 **20.11.46.19 COMPLIANCE:**

53 **A. Compliance with allowance limitations:**

54 (1) In accordance with ~~[Paragraph (2)] Paragraphs (2) and (3)~~ of Subsection A of 20.11.46.19 NMAC
55 and 20.11.46.18 NMAC, the WEB source shall hold allowances, as of the allowance transfer deadline in the WEB
56 source's compliance account (together with any current control year allowances held in the WEB ~~[source]~~ source's

1 special reserve compliance account under Subsection B of 20.11.46.16 NMAC) in an amount not less than the total
2 SO₂ emissions for the control period from the WEB source, as determined under the monitoring and reporting
3 requirements of 20.11.46.16 NMAC.

4 (a) For each source that is a WEB source on or before the program trigger date, the first control
5 period is the calendar year that is six years following the calendar year for which SO₂ emissions exceeded the
6 milestone in accordance with procedures in ~~[Section] Part A of the [SO₂ milestones and backstop trading program]~~
7 implementation plan element.

8 (b) For any existing source that becomes a WEB source after the program trigger date, the first
9 control period is the calendar year that is four years following the inventory year in which the source exceeded the
10 SO₂ emissions threshold.

11 (c) For any new WEB source after the program trigger date, the first control period is the first
12 full calendar year that the source is in operation.

13 (d) If the WEB trading program is triggered in accordance with the 2013 review procedures in
14 Section ~~[D(7) of Chapter VI of the SO₂ milestones and backstop trading program]~~ A4 of the implementation plan
15 element, the first control period for each source that is a WEB source on or before the program trigger date is the
16 year 2018.

17 (2) **Allowance transfer deadline:** An allowance may only be deducted from the WEB source's
18 compliance account if:

19 (a) the allowance was allocated for the current control period or meets the requirements in
20 20.11.46.18 NMAC for use of allowances from a previous control period, and

21 (b) the allowance was held in the WEB source's compliance account as of the allowance
22 transfer deadline for the current control period, or was transferred into the compliance account by an allowance
23 transfer correctly submitted for recording by the allowance transfer deadline for the current control period.

24 (3) Compliance with allowance limitations shall be determined as follows:

25 (a) the total annual SO₂ emissions for all SO₂ emitting units at the source that are monitored
26 under Subsection B of 20.11.46.16 NMAC, as reported by the source in Paragraph (2) and Paragraph (4) of
27 Subsection O of 20.11.46.16 NMAC, and recorded in the emissions tracking database, shall be compared to the
28 allowances held in the source's special reserve compliance account as of the allowance transfer deadline for the
29 current control period, adjusted in accordance with 20.11.46.18 NMAC; if the emissions are equal to or less than the
30 allowances in such account, all such allowances shall be retired to satisfy the obligation to hold allowances for such
31 emissions; and if the total emissions from such units exceeds the allowances in such special reserve account, the
32 WEB source shall account for such excess emissions in Subparagraph (b) of Paragraph (3) of Subsection A of
33 20.11.46.19 NMAC;

34 (b) the total annual SO₂ emissions for all SO₂ emitting units at the source that are monitored
35 under Subsection A of 20.11.46.16 NMAC, as reported by the source as required by Paragraph (2) and Paragraph (4)
36 of Subsection O of 20.11.46.16 NMAC, and recorded in the emissions tracking database, together with any excess
37 emissions as calculated in the Subparagraph (a) of Paragraph (3) of Subsection A of 20.11.46.19, shall be compared
38 to the allowances held in the source's compliance account as of the allowance transfer deadline for the current
39 control period, adjusted in accordance with 20.11.46.18 NMAC.

40 (c) If the comparison in Subparagraph (b) of Paragraph (3) of Subsection A of 20.11.46.19
41 NMAC results in emissions that exceed the allowances held in the source's compliance account, the source has
42 exceeded its allowance limitation and the excess emissions are subject to the allowance deduction penalty in
43 Subsection C of 20.11.46.19 NMAC.

44 (4) Other than allowances in a special reserve compliance account for units monitored under
45 Subsection B of 20.11.46.16 NMAC, to the extent consistent with 20.11.46.18 NMAC, allowances shall be deducted
46 for a WEB source for compliance with the allowance limitation as directed by the WEB source's account
47 representative. Deduction of any other allowances as necessary for compliance with the allowance limitation shall
48 be on a first-in, first-out accounting basis in the order of the date and time of their recording in the WEB source's
49 compliance account, beginning with the allowances allocated to the WEB source and continuing with the allowances
50 transferred to the WEB source's compliance account from another compliance account or general account. The
51 allowances held in a special reserve compliance account pursuant to Subsection B of 20.11.46.16 NMAC shall be
52 deducted as specified in Subparagraph (a) of Paragraph (3) of Subsection A of 20.11.46.19 NMAC.

53 **B. Certification of compliance:**

54 (1) For each control period in which a WEB source is subject to the allowance limitation, the account
55 representative of the source shall submit to the department a compliance certification report for the source.

1 (2) The compliance certification report shall be submitted no later than the allowance transfer
2 deadline of each control period, and shall contain the following:

- 3 (a) identification of each WEB source;
- 4 (b) at the account representative's option, the serial numbers of the allowances that are to be
5 deducted from a source's compliance account for compliance with the allowance limitation; and
- 6 (c) the compliance certification report according to Paragraph (3) of Subsection B of
7 20.11.46.19 NMAC.

8 (3) In the compliance certification report, the account representative shall certify, based on reasonable
9 inquiry of those persons with primary responsibility for operating the WEB source in compliance with the WEB
10 trading program, whether the WEB source for which the compliance certification is submitted was operated during
11 the control period covered by the report in compliance with the requirements of the WEB trading program
12 applicable to the source including:

- 13 (a) whether the WEB source operated in compliance with the SO₂ allowance limitation;
- 14 (b) whether SO₂ emissions data has been submitted to the department in accordance with
15 ~~[Subsection A of]~~ 20.11.46.16 NMAC and other applicable guidance, for review, revision as necessary, and
16 finalization for forwarding to the SO₂ allowance tracking system for recording;
- 17 (c) whether the monitoring plan that governs the WEB source has been maintained to reflect
18 the actual operation and monitoring of the source, and contains all information necessary to attribute SO₂ emissions
19 to the source, in accordance with Subsection A of 20.11.46.16 NMAC;
- 20 (d) whether all the SO₂ emissions from the WEB source, if applicable, were monitored or
21 accounted for either through the applicable monitoring or through application of the appropriate missing data
22 procedures;
- 23 (e) if applicable, whether any SO₂ emitting unit for which the WEB source is not required to
24 monitor in accordance with Paragraph (3) of Subsection A of 20.11.46.16 NMAC remained permanently retired and
25 had no emissions for the entire applicable period; and
- 26 (f) whether there were any changes in the method of operating or monitoring the WEB source
27 that required monitor recertification; and if there were any such changes, the report shall specify the nature, reason,
28 and date of the change, the method to determine compliance status subsequent to the change, and specifically, the
29 method to determine SO₂ emissions.

30 **C. Penalties for any WEB source exceeding its allowance limitations:**

31 **(1) Allowance deduction ~~[penalties]~~ penalty:**

32 (a) If emissions from a WEB source exceed the allowance limitation for a control period, as
33 determined in accordance with Subsection A of 20.11.46.19 NMAC, the source's allowance held in its compliance
34 account will be reduced by an amount equal to ~~[two]~~ three times the source's tons of excess emissions. If the
35 compliance account does not have sufficient allowances allocated for that control period, the required number of
36 allowances shall be deducted from the WEB source's compliance account regardless of the control period for which
37 they were allocated, once allowances are recorded in the account.

38 (b) Any allowance deduction required under 20.11.46.19 NMAC shall not reduce or otherwise
39 affect the liability of the owners and operators of the WEB source for any fine, penalty or assessment or their
40 obligation to comply with any other remedy, for the same violation, as ordered under the Clean Air Act,
41 implementing regulations or applicable state or tribal law. Accordingly, a violation can be assessed each day of the
42 control period for each ton of SO₂ emissions in excess of its allowance limitation if the department so chooses.

43 ~~(2) **[Financial penalties:** A financial penalty of \$5,000 per ton of SO₂ emissions in excess of the
44 WEB source's allowance limitation shall be levied. Each ton represents a separate violation.] RESERVED~~

45 **D. Liability:**

46 **(1) WEB Source liability for non-compliance:** Separate from and regardless of any automatic
47 penalties assessed for allowance deduction penalty ~~[and financial penalty,]~~ a WEB source that violates any
48 requirement of 20.11.46 NMAC is subject to administrative, civil and criminal penalties under the Air Quality
49 Control Act and the Clean Air Act. Each day of the control period is a separate violation, and each ton of SO₂
50 emissions in excess of a source's allowance limitation is a separate violation.

51 **(2) General liability:**

52 (a) Any provision of the WEB trading program that applies to a source or an account
53 representative shall apply also to the owners and operators of such source.

54 (b) Any person who violates any requirement or prohibition of the WEB trading program shall
55 be subject to enforcement pursuant to applicable state, tribal or federal law.

1 (c) Any person who knowingly makes a false material statement in any record, submission, or
2 report under this WEB trading program shall be subject to criminal enforcement pursuant to the applicable state,
3 tribal or federal law.
4 [20.11.46.19 NMAC - N, 12/31/03]
5

6 **20.11.46.20 SPECIAL PENALTY PROVISIONS FOR YEAR 2018 MILESTONE:**

7 **A.** If the WEB trading program is triggered as outlined [~~in Section D of Chapter VI of the SO₂~~
8 ~~milestones and backstop trading program]~~ Part A of the implementation plan element, and the first control period
9 will not occur until after the year 2018, the following provisions shall apply for the 2018 emissions year.

10 (1) All WEB sources shall register, and open a compliance account within 180 days after the program
11 trigger date, in accordance with Subsection A of 20.11.46.13 NMAC and 20.11.46.15 NMAC.

12 (2) The tracking system administrator shall record the allowances for the 2018 control period for each
13 WEB source in the source's compliance account once the department allocates the 2018 allowances under Section
14 [~~F(1) and G(1) of Chapter VI of the SO₂ milestones and backstop trading program]~~ C1 and D1 of the implementation
15 plan element.

16 (3) The allowance transfer deadline is midnight pacific standard time on May [~~30~~] 31, 2021 (or if this
17 date is not a business day, midnight of the first business day thereafter). WEB sources may transfer allowances as
18 provided in Subsection A of 20.11.46.17 NMAC until the allowance transfer deadline.

19 (4) A WEB source shall hold allowances allocated for 2018 including those transferred into the
20 compliance account by an allowance transfer correctly submitted by the allowance transfer deadline, in an amount
21 not less than the WEB source's total SO₂ emissions for 2018. Emissions shall be determined using the pre-trigger
22 monitoring provisions in [~~Section] Part B of the [SO₂ milestones and backstop trading program]~~ implementation
23 plan element, and 20.11.46.9 NMAC.

24 (5) [~~An allowance deduction penalty and financial penalty shall be assessed and levied in accordance~~
25 ~~with Subsection D of 20.11.46.18 NMAC, Paragraph (4) of Subsection A of 20.11.46.19 NMAC and Subsection C~~
26 ~~of 20.11.46.19 NMAC except that SO₂ emissions shall be determined under Paragraph (4) of Subsection A of~~
27 ~~20.11.46.20 NMAC]. In accordance with Subsection D of 20.11.46.18 NMAC, and Paragraph (4) of Subsection A
28 of 20.11.46.20 NMAC, the Department shall seek at least the minimum financial penalty of \$5000 per ton of SO₂
29 emissions in excess of the WEB source's allowance limitation.~~

30 (a) Any source may resolve its excess emissions violation by agreeing to a streamlined
31 settlement approach where the source pays a penalty of \$5000 per ton or partial ton of excess emissions, and
32 payment is received within 90 calendar days after the issuance of a notice of violation.

33 (b) Any source that does not resolve its excess emissions violation in accordance with the
34 streamlined settlement approach in Subparagraph (a) of Paragraph (5) of Subsection A of 20.11.46.20 NMAC will
35 be subject to formal enforcement action, in which the Director shall seek a financial penalty for the excess emissions
36 based on New Mexico's statutory maximum civil penalties.

37 (6) Each ton of SO₂ emissions in excess of a source's allowance limitation is a separate violation and
38 each day of a control period is a separate violation.

39 **B.** If the program has been triggered and the provision in Subsection A of 20.11.46.20 is
40 implemented the provisions in Subsection C of 20.11.46.20 NMAC shall [~~continue to~~] apply for each year after the
41 2018 emission year until:

42 (1) the first control period under the WEB trading program under Subparagraph (a) of Paragraph (1)
43 of Subsection A of 20.11.46.19 NMAC; or

44 (2) the department determines, in accordance with Section [~~D(6)(j) of Chapter VI of the SO₂~~
45 milestones and backstop trading program] A3.10 of the implementation plan element, that the 2018 SO₂ milestone
46 has been met.

47 **C.** [~~If provisions of Subsection A or 20.11.46.20 NMAC was implemented, the following shall apply~~
48 ~~to each emissions year after the 2018 emissions year:~~

49 (1) ~~the tracking system administrator will record the allowances for the control period for the specific~~
50 ~~year for each WEB source in the source's compliance account once the department allocates the allowances under~~
51 ~~Section F(1) of Chapter VI of the SO₂ milestones and backstop trading program implementation plan element;~~

52 (2) ~~the allowance transfer deadline is midnight pacific standard time on March 1 of each year (or if~~
53 ~~this date is not a business day, midnight of the first business day thereafter) following the end of the specific~~
54 ~~emissions year. WEB sources may transfer allowances as provided in Subsection A of 20.11.46.17 NMAC until the~~
55 ~~allowance transfer deadline.~~

~~(3) a WEB source must hold allowances allocated for that specific emissions year, or any year after 2018, including those transferred into the compliance account by an allowance transfer correctly submitted by the allowance transfer deadline, in an amount not less than the WEB source's total SO₂ emissions for the specific emissions year; and Emissions are determined using the pre-trigger monitoring provisions in Section D of the SO₂ milestones and backstop trading program implementation plan element, and 20.11.46.9 NMAC;~~

~~(4) an allowance deduction penalty and financial penalty shall be assessed and levied in accordance with Subsection D of 20.11.46.18 NMAC, Paragraph (4) of Subsection A of 20.11.46.19 NMAC, and Subsection C of 20.11.46.19 NMAC, except that SO₂ emissions shall be determined under Paragraph (3) of Subsection C of 20.11.46.20 NMAC.] Special penalty provisions for the 2018 milestone for 2019 control period and each control period thereafter as provided under Subsection B of 20.11.46.20 NMAC include the following:~~

~~(1) For the 2019 control period, the allowance transfer deadline is midnight Pacific Standard Time on May 31, 2021 (or if this date is not a business day, midnight of the first business day thereafter). WEB sources may transfer allowances as provided in Subsection A of 20.11.46.17 NMAC until the allowance transfer deadline.~~

~~(2) A WEB source must hold allowances allocated for the 2019 control period, including those transferred into the compliance account by an allowance transfer correctly submitted by the allowance transfer deadline, in an amount not less than the WEB source's total SO₂ emissions for the 2019 control period. Emissions are determined using the pre-trigger monitoring provisions in Part B of the Implementation Plan, and 20.11.46.9 NMAC.~~

~~(3) In accordance with Subsection D of 20.11.46.18 NMAC, and Paragraph (4) of Subsection A of 20.11.46.20 NMAC, the Department shall seek at least the minimum financial penalty of \$5000 per ton of SO₂ emissions in excess of the WEB source's allowance limitation.~~

~~(a) Any source may resolve its excess emissions violation by agreeing to a streamlined settlement approach where the source pays a penalty of \$5000 per ton or partial ton of excess emissions, and payment is received within 90 business days after the issuance of a notice of violation.~~

~~(b) Any source that does not resolve its excess emissions violation in accordance with the streamlined settlement approach in Paragraph (5) of Subsection A of 20.11.46.20 NMAC will be subject to formal enforcement action, in which the Department shall seek a financial penalty for the excess emissions based on New Mexico's statutory maximum civil penalties.~~

~~(4) Each ton of SO₂ emissions in excess of a source's allowance limitation is a separate violation and each day of a control period is a separate violation.~~

~~(5) For each control period after 2019 that the special penalty is assessed, the dates and deadlines in Paragraphs (1) through (4) of Subsection C of 20.11.46.20 NMAC above will be adjusted forward by one year. [20.11.46.20 NMAC - N, 12/31/03]~~

20.11.46.21 SO₂ MONITORING OF FUEL GAS COMBUSTION DEVICES:

A. Applicability.

(1) The provisions of this protocol are applicable to fuel gas combustion devices at petroleum refineries.

(2) Fuel gas combustion devices include boilers, process heaters, and flares used to burn fuel gas generated at a petroleum refinery.

(3) Fuel gas means any gas, which is generated, and combusted at a petroleum refinery. Fuel gas does not include:

(a) natural gas, unless combined with other gases generated at a petroleum refinery;

(b) gases generated by a catalytic cracking unit catalyst regenerator;

(c) gases generated by fluid coking burners;

(d) gases combusted to produce sulfur or sulfuric acid; or

(e) process upset gases generated due to startup, shutdown, or malfunctions.

B. Monitoring requirements.

(1) Except as provided in Paragraph (2) and Paragraph (3) of Subsection B of 20.11.46.21 NMAC, fuel gas combustion devices shall use a continuous fuel gas monitoring system (CFGMS) to determine the total sulfur content (reported as H₂S) of the fuel gas mixture prior to combustion, and continuous fuel flow meters to determine the amount of fuel gas burned.

(a) Fuel gas combustion devices having a common source of fuel gas may be monitored for sulfur content at one location, if monitoring at that location is representative of the sulfur content of the fuel gas being burned in any fuel gas combustion device.

1 (b) The CFGMS shall meet the performance requirements in performance specification 2 in
2 Appendix B to 40 CFR Part 60, and the following:

3 (i) continuously monitor and record the concentration by volume of total sulfur
4 compounds in the gaseous fuel reported as ppmv H₂S;

5 (ii) have the span value set so that the majority of readings fall between 10 and 95% of
6 the range;

7 (iii) record negative values of zero drift, for initial certification and daily calibration error
8 tests;

9 (iv) calibration drift shall be 5.0% of the span; and

10 (v) methods 15A, 16, or approved alternatives for total sulfur, are the reference methods
11 for the relative accuracy test; and the relative accuracy test shall include a bias test in accordance with Paragraph (3)
12 of Subsection D of 20.11.46.21 NMAC.

13 (c) All continuous fuel flow meters shall comply with the provisions of Section 2.1.5 of
14 Appendix D to 40 CFR Part 75.

15 (d) The hourly mass SO₂ emissions rate for all the fuel combustion devices monitored by this
16 approach shall be calculated using the following equation:

17 $E_t = (C_s)(Q_f)(K)$; where:

18 E_t = Total SO₂ emissions in lb/hr from applicable fuel gas combustion devices;

19 C_s = Sulfur content of the fuel gas as H₂S (ppmv);

20 Q_f = Fuel gas flow rate to the applicable fuel gas combustion devices (scf/hr); and

21 $K = 1.660 \times 10^{-7}$ (lb/scf)/ppmv

22 (2) In place of a CFGMS in Paragraph (1) of Subsection B of 20.11.46.21 NMAC, fuel gas
23 combustion devices having a common source of fuel gas may be monitored with an SO₂ CEMS and flow CEMS and
24 (if necessary) a moisture monitoring system at only one location, if the CEMS monitoring at that location is
25 representative of the SO₂ emission rate (lb SO₂/scf fuel gas burned) of all applicable fuel gas combustion devices.
26 Continuous fuel flow meters shall be used in accordance with Paragraph (2) of Subsection B of 20.11.46.21 NMAC,
27 and the fuel gas combustion device monitored by a CEMS shall have separate fuel metering.

28 (a) Each CEMS for SO₂ and flow, and (if applicable) moisture, shall comply with the operating
29 requirements, performance specifications, and quality assurance requirements of 40 CFR Part 75.

30 (b) All continuous fuel flow meters shall comply with the provisions of Section 2.1.5 of
31 Appendix D to 40 CFR Part 75.

32 (c) The SO₂ hourly mass emissions rate for all the fuel gas combustion devices monitored by
33 this approach shall be determined by the ratio of the amount of fuel gas burned by the CEMS-monitored fuel gas
34 combustion device to the total fuel gas burned by all applicable fuel gas combustion devices using the following
35 equation:

36 $E_t = (E_m)(Q_t)/(Q_m)$; where:

37 E_t = Total SO₂ emissions in lb/hr from applicable fuel gas combustion devices;

38 E_m = SO₂ emissions in lb/hr from the CEMS-monitored fuel gas combustion device, calculated using Equation F-1
39 or (if applicable) F-2 in Appendix F to 40 CFR Part 75;

40 Q_t = Fuel gas flow rate (scf/hr) from applicable fuel gas combustion devices; and

41 Q_m = Fuel gas flow rate (scf/hr) to the CEMS-monitored fuel gas combustion device.

42 (3) In place of a CFGMS in Paragraph (1) of Subsection B of 20.11.46.21 NMAC, fuel gas
43 combustion devices having a common source of fuel gas may be monitored with an SO₂ - diluent CEMS at only one
44 location, if the CEMS monitoring at that location is representative of the SO₂ emission rate (lb SO₂/mmBtu) of all
45 applicable fuel gas combustion devices. If this option is selected, the owner or operator shall conduct fuel gas
46 sampling and analysis for gross calorific value (GCV), and shall use continuous fuel flow metering in accordance
47 with Paragraph (1) of Subsection B of 20.11.46.21 NMAC, with separate fuel metering for the CEMS-monitored
48 fuel gas combustion device.

49 (a) Each SO₂ - diluent CEMS shall comply with the applicable provisions for SO₂ monitors and
50 diluent monitors in 40 CFR Part 75, and shall use the procedures in Section 3 of Appendix F to 40 CFR Part 75 for
51 determining SO₂ emission rate (lb/mmBtu) by substituting the term SO₂ for NO_x in that section, and using a K factor
52 of 1.660×10^{-7} (lb/scf) ppmv instead of the NO_x K factor.

53 (b) All continuous fuel flow meters and fuel gas sampling and analysis for GCV to determine
54 the heat input ratio shall comply with the applicable provisions of Section 2.1.5 and 2.3.4 of Appendix D to 40
55 CFR Part 75.

1 (c) The SO₂ hourly mass emissions rate for all the fuel gas combustion devices monitored by
2 this approach shall be determined by the ratio of the fuel gas heat input to the CEMS-monitored fuel gas combustion
3 device to the total fuel gas heat input to all applicable fuel gas combustion devices using the following equation:

4 $E_t = (E_m)(Q_t)/(GCV) / 10^6$; where:

5 E_t = Total SO₂ emissions in lbs/hr from applicable fuel gas combustion devices;

6 E_m = SO₂ emissions in lb/mmBtu from the CEMS - monitored fuel gas combustion device;

7 Q_t = Fuel gas flow rate (scf/hr) to the applicable fuel gas combustion devices;

8 GCV = Fuel Gross Calorific Value (Btu/scf); and

9 10^6 = Conversion from Btu to million Btu.

10 (d) The owner or operator shall calculate total SO₂ mass emissions for each calendar quarter
11 and each calendar year based on the emissions in lb/hr and Equations F-3 and F-4 in Appendix F to 40 CFR Part 75.

12 **C. Certification and recertification requirements.** All monitoring systems are subject to initial
13 certification and recertification testing as follows:

14 (1) the owner or operator shall comply with the initial testing and calibration requirements in
15 performance specification 2 in Appendix B of 40 CFR Part 60 and Subparagraph (b) of Paragraph (1) of Subsection
16 B of 20.11.46.21 NMAC for each CFGMS;

17 (2) each CEMS for SO₂ and flow or each SO₂-diluent CEMS shall comply with the testing and
18 calibration requirements specified in 40 CFR [Part 75, section] 75.20 and Appendices A and B, except that each
19 SO₂-diluent CEMS shall meet the relative accuracy requirements for a NO_x-diluent CEMS (lb/mmBtu);

20 (3) a continuous fuel flow meter shall comply with certification requirements in Section 2.1.5 of
21 Appendix D of 40 CFR Part 75.

22 **D. Quality assurance/quality control requirements.**

23 (1) A quality assurance and quality control (QA/QC) plan shall be developed and implemented for
24 each CEMS for SO₂ and flow or the SO₂-diluent CEMS in compliance with Sections 1, 1.1, and 1.2 of Appendix B
25 of 40 CFR Part 75.

26 (2) A quality assurance and quality control plan shall be developed and implemented for each
27 continuous fuel flow meter and fuel sampling and analysis in compliance with Sections 1, 1.1, and 1.3 Appendix B
28 of 40 CFR Part 75. The owner or operator shall meet the requirements in Section 2.1.6 of Appendix D to 40 CFR
29 Part 75, and may use the procedures set forth in Section 2.1.7 of that appendix.

30 (3) A quality assurance and quality control plan shall be developed and implemented for each
31 CFGMS in compliance with Sections 1 and 1.1 of Appendix B to 40 CFR Part 75, and the following:

32 (a) perform a daily calibration error test of each CFGMS at two gas concentrations, one low
33 level and one high level; and calculate the calibration error as described in Appendix A to 40 CFR Part 75; an out of
34 control period occurs whenever the error is greater than 5.0 percent of the span value;

35 (b) in addition to the daily calibration error test, an additional calibration error test shall be
36 performed whenever a daily calibration error test is failed, whenever a monitoring system is returned to service
37 following repairs or corrective actions that may affect the monitor measurements, and after making manual
38 calibration adjustments;

39 (c) perform a linearity test once every operating quarter; calculate the linearity as described in
40 Appendix A to 40 CFR Part 75; and an out of control period occurs whenever the linearity error is greater than 5.0
41 percent of a reference value, and the absolute value of the difference between average monitor response values and a
42 reference value is greater than 5.0 ppm;

43 (d) perform a relative accuracy test audit once every four operating quarters. Calculate the
44 relative accuracy as described in Appendix A to 40 CFR Part 75; and an out of control period occurs whenever the
45 relative accuracy is greater than 20.0 percent of the mean value of the reference method measurements;

46 (e) using the results of the relative accuracy test audit, conduct a bias test in accordance with
47 Appendix A to 40 CFR Part 75, and calculate and apply a bias adjustment factor if required.

48 **E. Missing data procedures.**

49 (1) For any period in which valid data are not being recorded by an SO₂ CEMS or flow CEMS
50 specified in 20.11.46.21 NMAC, missing or invalid data shall be replaced with substitute data in accordance with the
51 requirements in Subpart D of 40 CFR Part 75.

52 (2) For any period in which valid data are not being recorded by an SO₂-diluent CEMS specified in
53 20.11.46.21 NMAC, missing or invalid data shall be replaced with substitute data on a rate basis (lb/mmBtu) in
54 accordance with the requirements for SO₂ monitors in Subpart D of 40 CFR Part 75.

1 (3) For any period in which valid data are not being recorded by a continuous fuel flow meter or for
2 fuel gas GCV sampling and analysis specified in 20.11.46.21 NMAC, missing or invalid data shall be replaced with
3 substitute data in accordance with missing data requirements in Section 2.4 of Appendix D to 40 CFR Part 75.

4 (4) For any period in which valid data are not being recorded by the CFGMS specified in 20.11.46.21
5 NMAC, hourly missing or invalid data shall be replaced with substitute data in accordance with the missing data
6 requirements for units performing hourly gaseous fuel sulfur sampling in Section 2.4 of Appendix D to 40 CFR Part
7 75.

8 **F. Monitoring plan and reporting requirements.** In addition to the general monitoring plan and
9 reporting requirements of 20.11.46.16 NMAC, the owner or operator shall meet the following additional
10 requirements:

11 (1) the monitoring plan shall identify each group of units that is monitored by a single monitoring
12 system under 20.11.46.21 NMAC, and the plan shall designate an identifier for the group of units for emissions
13 reporting purposes; and for purpose of submitting emissions reports, no apportionment of emissions to the individual
14 units within the group is required;

15 (2) if the provisions of Paragraph (2) or Paragraph (3) of Subsection B of 20.11.46.21 NMAC are
16 used, provide documentation and an explanation to demonstrate that the SO₂ emission rate from the monitored unit
17 is representative of the rate from non-monitored units.

18 [20.11.46.21 NMAC - N, 12/31/03]

19
20 **20.11.46.22 Predictive flow monitoring systems for kilns with positive pressure fabric filter:**

21 **A.** Applicability. The provisions of this protocol are applicable to cement kilns or lime kilns that:

22 (1) are controlled by a positive pressure fabric filter;

23 (2) combust only a single fuel, no fuel blends; and

24 (3) have operating conditions upstream of the fabric filter that the WEB source documents would
25 reasonably prevent reliable flow monitor measurements; and this protocol does not modify the SO₂ monitoring
26 requirements in 20.11.46.16 NMAC.

27 **B. Monitoring requirements.**

28 (1) A cement or lime kiln with a positive pressure fabric filter shall use a predictive flow monitoring
29 system (PFMS) to determine the hourly kiln exhaust gas flow.

30 (2) A PFMS is the total equipment necessary for the determination of exhaust gas flow using process
31 or control device operating parameter measurements and a conversion equation, a graph, or computer program to
32 produce results in cubic feet per hour.

33 (3) The PFMS shall meet the following performance specifications:

34 (a) sensor readings and conversion of sensor data to flow in cubic feet per hour must be
35 automated;

36 (b) the PFMS must allow for the automatic or manual determination of failed monitors; and at
37 a minimum a daily determination must be performed;

38 (c) the PFMS shall have provisions to check the calibration error of each parameter that is
39 individually measured; the owner or operator shall propose appropriate performance specifications in the initial
40 monitoring plan for all parameters used in the PFMS comparable to the degree of accuracy required for other
41 monitoring systems used to comply with 20.11.46 NMAC; the parameters shall be tested at two levels, low: 0 to 20
42 percent of full scale, and high: 50 to 100 percent of full scale; and the reference value need not be certified;

43 (d) the relative accuracy of the PFMS must be less than or equal to 10.0 percent of the
44 reference method average value, and include a bias test in accordance with Paragraph (3) of Subsection D of
45 20.11.46.22 NMAC.

46 **C. Certification requirements.** The PFMS is subject to initial certification testing. The source
47 owner or operator shall:

48 (1) demonstrate the ability of the PFMS to identify automatically or manually a failed monitor;

49 (2) provide evidence of calibration testing of all monitoring equipment; and any tests conducted
50 within the previous 12 months of operation that are consistent with the QA/QC plan for the PFMS are acceptable for
51 initial certification purposes; and

52 (3) perform an relative accuracy test audit and accompanying bias test once every four operating
53 quarters; and calculate the relative accuracy (and bias adjustment factor) as described in Appendix A to 40 CFR Part
54 75; an out of control period occurs whenever the flow relative accuracy is greater than 10.0 percent of the mean
55 value of the reference method.

1 **D. Quality assurance and quality control requirements.** A quality assurance and quality control
2 plan shall be developed and implemented for each PFMS in compliance with Sections 1 and 1.1 of Appendix B of
3 40 CFR Part 75, and the following:

4 (1) perform a daily monitor failure check;

5 (2) perform calibration tests of all monitors for each parameter included in the PFMS. At a
6 minimum, calibrations shall be conducted prior to each relative accuracy test audit; and

7 (3) perform a relative accuracy test audit and accompanying bias test once every four operating
8 quarters; and calculate the relative accuracy (and bias adjustment factor) as described in 20.11.46.21 NMAC and 40
9 CFR Part 75; an out of control period occurs whenever the flow relative accuracy is greater than 10.0 percent of the
10 mean value of the reference method.

11 **E. Missing data.** For any period in which valid data are not being recorded by the PFMS specified
12 in 20.11.46.22 NMAC, hourly missing or invalid data shall be replaced with substitute data in accordance with the
13 flow monitor missing data requirements for non-load based units in Subpart D of 40 CFR Part 75.

14 **F. Monitoring plan requirements.** In addition to the general monitoring plan requirements of
15 20.11.46.16 NMAC, the owner or operator shall meet the following additional requirements:

16 (1) the monitoring plan shall document the reasons why stack flow measurements upstream of the
17 fabric filter are unlikely to provide reliable flow measurements over time;

18 (2) the initial monitoring plan shall explain the relationship of the proposed parameters and stack
19 flow, and discuss other parameters considered and the reasons for not using those parameters in the PFMS; and the
20 department may require that the subsequent monitoring plan include additional explanation and documentation for
21 the reasonableness of the proposed PFMS.

22 [20.11.46.22 NMAC - N, 12/31/03]

23
24 **20.11.46.23 SAVINGS CLAUSE:** Any amendment to *Sulfur Dioxide Emissions Inventory Requirements;*
25 *Western Backstop Sulfur Dioxide Trading Program*, 20.11.46 NMAC, which is filed with the state records center
26 and archives shall not affect actions pending for violation of a statute, ordinance, part, or permit. Prosecution for a
27 violation of a prior statute, ordinance, Part or permit shall be governed and prosecuted under the statute, ordinance,
28 part or permit wording in effect at the time the violation was committed.

29 [20.11.46.23 NMAC - N, 12/31/03]

30
31 **20.11.20.24 SEVERABILITY:** If any section, subsection, sentence, phrase, clause or wording of [\[this part\]](#)
32 [20.11.46 NMAC](#) or the federal standards incorporated herein is for any reason held to be unconstitutional or
33 otherwise invalid by any court or the EPA, the decision shall not affect the validity of remaining portions of [\[this](#)
34 [part\] 20.11.46 NMAC.](#)

35 [20.11.46.24 NMAC - N, 12/31/03]

36
37 **HISTORY OF 20.11.46 NMAC:**

38 Pre-NMAC History: None.

39
40 History of Repealed Material: [RESERVED]