Opacity = Hourly average opacity, percent; 
Q_{\text{mon}} = Hourly average actual gas flow rate as 
measured by continuous parameter moni-
toring system or calculated by alternative 
procedure in §63.1573, acfm; and 
E-Cat = Ni concentration on equilibrium cat-
alyst from weekly or more recent measure-
ment, ppmw.

(4) If you use a continuous opacity 
monitoring system and elect to comply 
with Option 4 in paragraph (a)(1)(iv) of 
this section, determine continuous 
compliance with your site-specific Ni 
operating limit by using Equation 12 of 
this section as follows:

\[ \text{Ni Operating Value} = \frac{\text{Opacity} \times E-\text{Cat} \times Q_{\text{mon}}}{R_c} \]  

Where:
Ni operating value = Maximum permissible 
hourly average Ni standard operating 
value, percent-acfm-ppmw-hr/kg coke.
[67 FR 17773, Apr. 11, 2002, as amended at 70 
FR 6938, Feb. 9, 2005]

§ 63.1565 What are my requirements 
for organic HAP emissions from 
catalytic cracking units?

(a) What emission limitations and work 
practice standards must I meet? You must:

(1) Meet each emission limitation in 
Table 8 of this subpart that applies to 
you. If your catalytic cracking unit is 
subject to the NSPS for carbon mono-
oxide (CO) in §60.103 of this chapter, 
you must meet the emission limita-
tions for NSPS units. If your catalytic 
cracking unit isn’t subject to the NSPS 
for CO, you can choose from the two 
options in paragraphs (a)(1)(i) through 
(ii) of this section:
(i) You can elect to comply with the 
NSPS requirements (Option 1); or
(ii) You can elect to comply with the 
CO emission limit (Option 2).

(2) Comply with each site-specific op-
erating limit in Table 9 of this subpart 
that applies to you.

(3) Prepare an operation, mainte-
nance, and monitoring plan according 
to the requirements in §63.1574(f) and 
operate at all times according to the 
procedures in the plan.

(4) The emission limitations and op-
erating limits for organic HAP emis-
sions from catalytic cracking units re-
quired in paragraphs (a)(1) and (2) of 
this section do not apply during peri-
ods of planned maintenance preapproved by the applicable permitting 
authority according to the requirements in §63.1575(j).

(b) How do I demonstrate initial compli-
cance with the emission limitations and 
work practice standards? You must:

(1) Install, operate, and maintain a 
continuous monitoring system accord-
ing to the requirements in §63.1572 and 
Table 10 of this subpart. Except:
(i) Whether or not your catalytic 
cracking unit is subject to the NSPS 
for CO in §60.103 of this chapter, you 
don’t have to install and operate a con-
tinuous emission monitoring system if 
you show that CO emissions from your 
vent average less than 50 parts per mil-
lion (ppm), dry basis. You must get an 
exemption from your permitting au-
thority, based on your written request. 
To show that the emissions average is 
less than 50 ppm (dry basis), you must 
continuously monitor CO emissions for 
30 days using a CO continuous emission 
monitoring system that meets the re-
quirements in §63.1572.

(ii) If your catalytic cracking unit 
 isn’t subject to the NSPS for CO, you 
don’t have to install and operate a con-
tinuous emission monitoring system or 
a continuous parameter monitoring 
system if you vent emissions to a boil-
er (including a "CO boiler") or process 
heater that has a design heat input ca-
pacity of at least 44 megawatts (MW).

(iii) If your catalytic cracking unit 
 isn’t subject to the NSPS for CO, you 
don’t have to install and operate a con-
tinuous emission monitoring system or 
a continuous parameter monitoring 
system if you vent emissions to a boil-
er or process heater in which all vent 
streams are introduced into the flame 
zeone.

(2) Conduct each performance test for 
a catalytic cracking unit not subject to
§ 63.1566 What are my requirements for organic HAP emissions from catalytic reforming units?

(a) What emission limitations and work practice standards must I meet? You must:

(1) Meet each emission limitation in Table 15 of this subpart that applies to you. You can choose from the two options in paragraphs (a)(1)(i) through (ii) of this section:

(i) You can elect to vent emissions of total organic compounds (TOC) to a flare that meets the control device requirements in §63.11(b) (Option 1); or

(ii) You can elect to meet a TOC or nonmethane TOC percent reduction standard or concentration limit, whichever is less stringent (Option 2).

(2) Comply with each site-specific operating limit in Table 16 of this subpart that applies to you.

(3) Except as provided in paragraph (a)(4) of this section, the emission limitations in Tables 15 and 16 of this subpart apply to emissions from catalytic reforming unit process vents associated with initial catalyst depressuring and catalyst purging operations that occur prior to the coke burn-off cycle. The emission limitations in Tables 15 and 16 of this subpart do not apply to the coke burn-off, catalyst rejuvenation, reduction or activation vents, or to the control systems used for these vents.

(4) The emission limitations in Tables 15 and 16 of this subpart do not apply to emissions from process vents during depressuring and purging operations when the reactor vent pressure is 5 pounds per square inch gauge (psig) or less.

(5) Prepare an operation, maintenance, and monitoring plan according to the requirements in §63.1574(f) and operate at all times according to the procedures in the plan.

(b) How do I demonstrate initial compliance with the emission limitations and work practice standard? You must:

(1) Install, operate, and maintain a continuous monitoring system(s) according to the requirements in §63.1572 and Table 17 of this subpart.

(2) Conduct each performance test for a catalytic reforming unit according to the requirements in §63.1571 and under the conditions specified in Table 18 of this subpart.

(3) Establish each site-specific operating limit in Table 16 of this subpart that applies to you according to the procedures in Table 18 of this subpart.

(4) Use the procedures in paragraph (b)(4)(i) or (ii) of this section to determine initial compliance with the emission limitations.

(i) If you elect the percent reduction standard under Option 2, calculate the emission rate of nonmethane TOC using Equation 1 of this section (if you use Method 25) or Equation 2 of this section (if you use Method 25A or Methods 25A and 18), then calculate the mass emission reduction using Equation 3 of this section as follows: