

The file name refers to the reference number, the AP42 chapter and section. The file name "ref02_c01s02.pdf" would mean the reference is from AP42 chapter 1 section 2. The reference may be from a previous version of the section and no longer cited. The primary source should always be checked.

Background Report Reference

AP-42 Section Number: 11.6

Background Chapter: 4

Reference Number: 47

Title: Anonymous Written communication,
Truesdail Laboratories, Inc., Results of
Tests conducted on Southwestern
Portland Cement, Black Mountain CA,
Kilns 5 and 8, October 9 1980

Truesdail Laboratories, Inc.

October 1980

Truesdale Labs - APCD test - **D.Y!**
 Vytavio S. Jodelic - Test Engineer
 Christopher P. Manzanos - " " / Chemist

AP-42 Section 11.6
 Reference No. 4860
 Report Sect. 4
 Reference 47

Ref BH
 No. Ks good -
 don't leak @
 I.D. & N.

Get today's
 OI prod. rept.

Sample for NO_x , SO_2 , CO , CO_2 , H_2O , U_2 - SO_3

Start test @ 9:30am @ B.M.

SO_2 by AQMD method -

NO_x flasks taken after 25 mins. sampling into
 photic bag. AQMD method for NO_x -

Tested comp. #7 - Top level of B.H. -

used ~ 6 ft stainless steel probe stuck thru door
 to metal above bags -

probe ~ 1' above bag level

3/8 Teflon Tube to impinger

trans -

1st Imp. - 100ml 80% Is. - propional

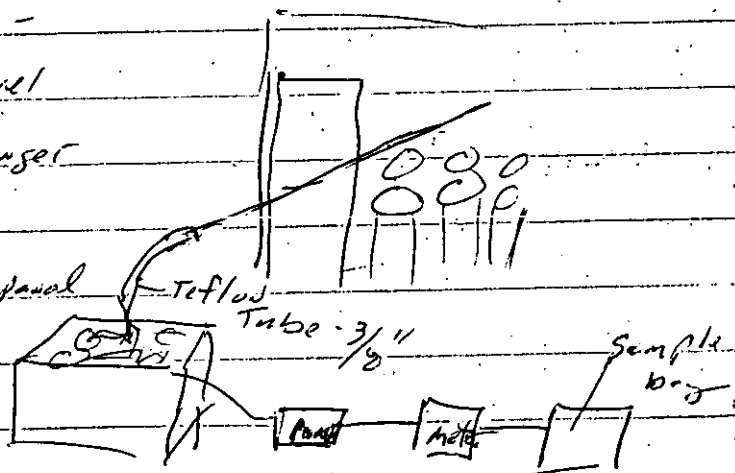
2nd 3rd - 100ml 3% H_2O_2 each

4th therm. - empty -

Gelman 0.5 micron fiber

Filter betw. 1st & 2nd - Extract w/ water for SO_3

Sample rate 0.5 ft³/min.



#5 Kiln - Pitot traverse @ 12:30P - 2" ports -

These ports are in a poor place to sample - $T^0 = 630^\circ\text{F}$

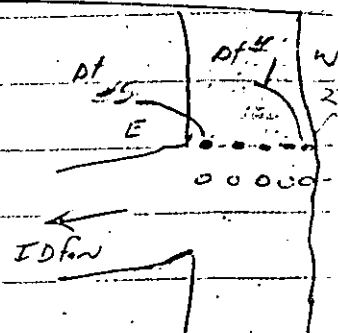
59.75" x 49.75" - inside dimensions - much trouble get

Done @ 1:45

Plugs out of ports

48" x 60" ← DWG -

Also Kiln



12/3/80/ B.M. Kiln - 784 ppm NO_2 , 762, 763 - Avg 770 ppm NO_x as NO_2
 CO_2 Avg 16.9, O_2 - 9.8, SO_2 - 68 ppm - SO_3 - 3 ppm

Kiln 5 - SO_2 - 354 ppm, SO_3 4, O_2 - 8.5 Avg, CO_2 16.1

1081 NO_2 , 1073, 1076 = Avg 1072, - CO ~ 10 ppm

Get 4.5
 Kiln duct diam
 Need new
 parts for next
 test

Kiln #8 - 118 SO₂, 4 SO₃, NO_x - 681, 700, 689 ^{avg 690}
O₂ 9.5 CO₂ 15.5;

Coal Ultimate analysis is 140.00

12/3 - OYM Calc. BM Kiln @ 9.8% O₂; 770 ppm NO₂ is equivalent
to 1245 ppm NO₂ @ 3% O₂ using ACH method.

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