From:	Gent, Philip (ECY)
To:	Kaldor, Reed A (Reed_A_Kaldor@rl.gov)
Cc:	Bowser, Dennis W (Dennis_W_Bowser@rl.gov); Jackson, Dale E (dale.jackson@rl.doe.gov); Schleif, Stephanie (ECY); Skorska, Maria (ECY)
Subject:	Change to AOP
Date:	Wednesday, December 03, 2014 9:15:51 AM

Reed,

Please forward to the AOP folks for each contractor, it should be added as a discussion point at the RATSI meeting next week. As we discussed, I'm eliminating tables 1.3, 1.4, 1.5, and 1.6 from the AOP and replacing all of the information in discharge point specific requirements (similar to how table 1.6 is currently laid out). Below is how the 234-5Z boilers 1, 2, and 3 and how it will look in the AOP.

Please provide information on table 1.3 boilers and their classification as either a power boiler or a low pressure boiler. This will allow me to correctly place the 'good combustion practices' into the discharge point.

Phil

Discharge Point 234-5Z, Boiler 1, 2, and 3

200W Area, 234-5Z annex

Requirement Citation: 40 CFR 60, Subpart Dc (WAC 173-400-115), 97NM-138 (6/6/1997), and 97NM-138, Amendment 1 (11/19/2009)

Condition Approval

Condition: 20% opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water.

Periodic Monitoring: Section 2.1, unless an alternative visible emissions, opacity, or particulate matter emission limit is identified in Table 1.6.

Test Method: EPA Method 9 of 40 CFR 60, Appendix A.

Test Frequency: Not applicable.

Required Records: As specified in Section 2.1.

StateOnly: No.

Calculation Model: Not applicable.

Condition Approval 6/6/1997

Condition: Use of fuel per 97NM-138

Periodic Monitoring: Compliance will be demonstrated by use of fuel containing no greater than 0.05 weight percent sulfur (500 parts per million by weight).

Test Method: Not applicable.

Test Frequency: Not applicable.

Required Records: Vendor certification for diesel fuel sulfur content for all purchases.

State-Only: No.

Calculation Model: Not applicable.

Condition Approval 6/6/1997

Condition: NO_X shall not exceed 0.150 lb/mm BTU and 115 ppm @ 3% O2

Periodic Monitoring: Section 2.6

Frequency: Monthly.

Test Method: EPA Method 7E of 40 CFR 60, Appendix A

Test Frequency: Not applicable

Required Records: Monthly records of fuel use on each boiler (See Section 2.5).

State-Only No.

Calculation Model Not applicable.

Condition Approval 6/6/1997

Condition: SO_2 shall not exceed 0.051 lb/mm BTU

Periodic Monitoring: Section 2.6

Frequency: Monthly.

Test Method: EPA Method 10 of 40 CFR 60, App. A

Test Frequency: Not Applicable

Required Records: Monthly records of fuel use on each boiler (See Section 2.5).

State-Only No.

Calculation Model Not applicable.

Condition Approval 6/6/1997

Condition: CO shall not exceed 0.071 lb/mm BTU and 90 ppm @ 3% O_2

Periodic Monitoring: Section 2.6

Frequency: Monthly.

Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A

Test Frequency: Not Applicable

Required Records: Monthly records of fuel use on each boiler (See Section 2.5).

State-Only No.

Calculation Model Not applicable.

Condition Approval 6/6/1997

Condition: Particulate matter (PM_{10}) shall not exceed 0.011 lb/mm BTU

Periodic Monitoring: Section 2.6

Frequency: Monthly.

Test Method: EPA Method 5 of 40 CFR 60, App. A

Test Frequency: Not Applicable

Required Records: Monthly records of fuel use on each boiler (See Section 2.5).

State-Only No.

Calculation Model Not applicable.

Condition Approval 6/6/1997

Condition: VOC shall not exceed 0.013 lb/mm BTU and 30 ppm @ 3% O_2

Periodic Monitoring: Section 2.6

Frequency: Monthly.

Test Method: EPA Method 25 or 25A of 40 CFR 60, App. A

Test Frequency: Not Applicable

Required Records: Monthly records of fuel use on each boiler (See Section 2.5).

State-Only No.

Calculation Model Not applicable.

Condition Approval 6/6/1997

Condition: Visual check of combustion

Periodic Monitoring: Not Applicable

Frequency: Daily

Test Method: Not Applicable

Test Frequency: Not Applicable

Required Records: Record available operating data

State-Only Yes

Calculation Model Not applicable.

Condition Approval 6/6/1997

Condition: A. Inspect burner

B. Inspect boiler exteriors

C. Check combustion controls

D. Check for leaks

E. Check for unusual noise, vibrations, etc…

Periodic Monitoring: Not Applicable

Frequency: Monthly.

Test Method: Not Applicable

Test Frequency: Not Applicable

Required Records: Records of inspections

State-Only Yes

Calculation Model Not applicable.

Condition Approval 6/6/1997

Condition: A. Inspect air supply system and clean and repair if necessary

B. Clean and check fuel supply system, replace filters if necessary

Periodic Monitoring: Not Applicable

Frequency: Semi-annually

Test Method: Not Applicable

Test Frequency: Not Applicable

Required Records: Records of inspections and work performed

State-Only Yes

Calculation Model Not applicable.

Condition Approval 6/6/1997

Condition: A. Conduct boiler tune-up by manufacturer trained technician or other qualified personnel

B. Clean fireside surfaces and breaching

C. Inspect refractory

Periodic Monitoring: Not Applicable

Frequency: Annually

Test Method: Not Applicable

Test Frequency: Not Applicable

Required Records: See Section 2.5

State-Only Yes

Calculation Model Not applicable.

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