

Duke PMC, TRT
12/1/99

Model Clearinghouse Information Storage and Retrieval System

Record Information Report

01

Record Number: 00-IV-01 Fiscal Year: 1900 Region: 04 Last Update:
Name: Duke Power Cliffside-Sept 99 12/20/99

State(s): NORTH CAROLINA

Pollutant(s): SO2

Regulation(s): Compliance Order
SIP

Source(s): Power Plant

Model(s): ISC3

Subject(s): Data Processing
Monitored Background

Representativeness of Meteorological Data

Urban/Rural: Rural Only

Oral/Written: Oral

Terrain: Low Terrain (below stack height)

Guideline: Guideline

Database: Off-site

Involvement: Review and Comment

Record Comments:

RECORD OF COMMUNICATION

TELEPHONE CALL MEETING CONFERENCE CALL OTHER

INFORMATION COPIES TO: Brenda Jim Roller, Warren Peters

TO: D. Wilson, B. Johnson

FROM: J. Roller, NC

DATE: 11/10/99

TIME:

SUBJ: Duke Power Cliffside

SUMMARY OF COMMUNICATION:

Background:

The source wants to model the facility using a distant (42km away) monitor to derive

background data as allowed by Section 9.2.2 in the Guideline on Air Quality Models. However, instead of using the HSH or some other value for background the

source wants to segregate the data by wind direction, wind speed and stability.

The

average hourly background for each met condition would be determined. They would then model to find the HSH modeled concentration, determine the met conditions

for

each hour of that day, then determine the background by adding in the average background for each respective hour of that day to determine the 24 hour background

to be added to the HSH 24 hour concentration. The same would be done for the 3 hour. For the annual background the average for the year would be used. The source

argues that this scheme is the same as is used for a nearby monitor as described in

Section 9.2.2 (b). They reason that since the terrain and other considerations are

similar at the monitor, it should be just as representative as a nearby monitor.

The

Date: 12/20/99

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