

Date: 7/21/98 4:04:41 PM
From: Koogler & Associates
Subject: IMC New Wales Phosphates
To: HOLLADAY_C

MEMORANDUM

TO: Cleve Holladay
EMAIL: HOLLADAY_C@DEP.STATE.FL.US
FAX: (850) 488-2439

Date: July 21, 1998
From: Mark Koletzke,
Subject: IMC New Wales Phosphates Facility in New Wales Florida.

The attached file contains oxides of nitrogen (NOx) modeling files for the IMC New Wales Phosphates facility in Polk County Florida. SIA results show less than significant Class 1 area impacts and just over significant threshold impact at the Class 2 area. An unrefined inventory was used to determine compliance with air quality standards and increment consumption requirements as discussed with you, due to the short turn around time frame. The ISC model predicts that the maximum impacts will be below the air quality standard and allowable PSD increment. The results are as follows:

	Annual Average Maximum
FAAQS	
1987	6.45 æg/m3
1991	6.09 æg/m3
standard	100 æg/m3
PSD Class 2	
1987	2.56 æg/m3
1991	2.53 æg/m3
Increment	25 æg/m3

The file MTP97NOX.EXE 146,437 07-21-98 is in self extracting archive format.

To unarchive this file, copy it to a hard disk drive and type the file name. To unarchive the ISC3 output files, type "MTP97NOX" and press enter. The files will automatically unarchive to the hard disk drive. These archived files contain the modeling and analysis files in ascii format described as follows;

the following files contain ISCST3 modeling of significant impact analysis (SIA) for FAAQS and

class 2 areas for NOx.

Chassahowitzka NWR PSD Class I Area files;

C1SIA-87 OUT	29,398	07-20-98	MODELING	FOR 1987
C1SIA-88 OUT	29,398	07-20-98	MODELING	FOR 1988
C1SIA-89 OUT	29,398	07-20-98	MODELING	FOR 1989
C1SIA-90 OUT	29,398	07-20-98	MODELING	FOR 1990
C1SIA-91 OUT	29,398	07-20-98	MODELING	FOR 1991

FAAQS, and Class 2 area:

C2SIA-87 OUT	184,032	07-20-98	MODELING	FOR 1987
C2SIA-88 OUT	184,032	07-20-98	MODELING	FOR 1988
C2SIA-89 OUT	184,032	07-20-98	MODELING	FOR 1989
C2SIA-90 OUT	184,032	07-20-98	MODELING	FOR 1990
C2SIA-91 OUT	184,032	07-20-98	MODELING	FOR 1991

NOx Class 2 & FAAQS SIA indicated that increment analysis was required thus the following files are provided.

Class 2 area increment analysis:

C2INV-87 OUT	32,785	07-21-98	MODELING	FOR 1987
C2INV-91 OUT	32,785	07-21-98	MODELING	FOR 1991

and florida ambient air quality standard (FAAQS) analysis:

FQS87INV OUT	59,115	07-21-98	MODELING	FOR 1987
FQS91INV OUT	59,115	07-21-98	MODELING	FOR 1991

and:

READ	ME	5,839	01-08-98	THIS FILE
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If I may provide any clarification, or additional information is required, please contact Pradeep or myself at (352) 377-5822.

Mark Koletzke, P.E.

Koogler and Associates

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