



Donald P. Gabrielson
Director

DEPARTMENT OF DEVELOPMENT SERVICES
DIVISION OF AIR QUALITY
31 N. PINAL, BUILDING F
P.O. BOX 987
FLORENCE, AZ 85232

MEMORANDUM

TO: File - H:\Memos\1999_NEI_major_PMsources_memo.wpd
FROM: Scott DiBiase
DATE: 8/3/05
SUBJECT: Major PM sources in the 1999 NEI in Pinal County

The data in the following table was gathered from the 1999 NEI, located at <http://www.epa.gov/ttn/chief/net/1999inventory.html> and from the following locations by source:

Point Sources - <ftp://ftp.epa.gov/EmisInventory/finalnei99ver3/criteria/datafiles/point/>
Area Sources - <ftp://ftp.epa.gov/EmisInventory/finalnei99ver3/criteria/datafiles/area/>
Nonroad Sources - <ftp://ftp.epa.gov/EmisInventory/finalnei99ver3/criteria/datafiles/nonroad/>
Onroad Sources - <ftp://ftp.epa.gov/EmisInventory/finalnei99ver3/criteria/datafiles/onroad/>

Source Description	sourcetype	PM10-PRI(tons)	PM25-PRI(tons)
Fugitive - Unpaved roads	AREA	6,515.69	977.35
Ag - Tilling	AREA	5,194.32	1,038.86
Road Construction	AREA	2,675.84	535.17
Fugitive - Paved Roads	AREA	2,448.41	612.1
Wildfires	AREA	988.74	847.99
Unpaved Airstrips	AREA	931.28	139.69
Mining and Quarrying - All processes	AREA	761.11	152.22
Prescribed Burning - Forest Management	AREA	732.32	651.9
Ag - Dust kicked up by hooves	AREA	550.65	82.6
Open Burning	AREA	467.49	467.49
Residential Construction	AREA	419.23	83.85
Industrial Construction	AREA	257.17	51.43
Open Burning - Residential household waste	AREA	199.65	182.84
Ag - Crops	AREA	133.88	3.65
Industrial Processes	AREA	70.37	48.77
Ag - Tractors	NON-ROAD MOBILE	45.58	41.93
Railroad Equipment	NON-ROAD MOBILE	33.91	30.52
'Highway Vehicles - Diesel	ON-ROAD MOBILE	32.83	30.33
'Highway Vehicles - Diesel	ON-ROAD MOBILE	20.36	18.82
'Highway Vehicles - Diesel	ON-ROAD MOBILE	16.75	15.48
Electric Generation - Natural Gas	POINT	13.725	13.725
Railroad Equipment - Yard Locomotives	NON-ROAD MOBILE	13.62	12.26
'Highway Vehicles - Diesel	ON-ROAD MOBILE	13.28	12.27
'Highway Vehicles - Diesel	ON-ROAD MOBILE	10.95	10.12
Electric Generation - Oil	POINT	6.25	5.89
Sand and Gravel - Crushing	POINT	3.972	3.972
Sand and Gravel - Screening	POINT	3.691	1.531
Sand and Gravel - Pile Forming	POINT	1.673	1.673