

## **APPENDIX B**

B.1. R18-2-702

B.2. Permitted Sources in Yuma in 2005

June 7, 2006 Edition

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## TITLE 18. ENVIRONMENTAL QUALITY

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### TITLE 18. ENVIRONMENTAL QUALITY

#### CHAPTER 2. DEPARTMENT OF ENVIRONMENTAL QUALITY

##### AIR POLLUTION CONTROL

#### **R18-2-702. General Provisions**

- A. The provisions of this Article shall only apply to a source that is all of the following:
1. An existing source, as defined in R18-2-101;
  2. A point source. For the purposes of this Section, "point source" means a source of air contaminants that has an identifiable plume or emissions point; and
  3. A stationary source, as defined in R18-2-101.
- B. Except as otherwise provided in this Chapter relating to specific types of sources, the opacity of any plume or effluent, from a source described in subsection (A), as determined by Reference Method 9 in 40 CFR 60, Appendix A, shall not be:
1. Greater than 20% in an area that is nonattainment or maintenance for any particulate matter standard, unless an alternative opacity limit is approved by the Director and the Administrator as provided in subsections (D) and (E), after February 2, 2004;
  2. Greater than 40% in an area that is attainment or unclassifiable for each particulate matter standard; and
  3. After April 23, 2006, greater than 20% in any area that is attainment or unclassifiable for each particulate matter standard except as provided in subsections (D) and (E).
- C. If the presence of uncombined water is the only reason for an exceedance of any visible emissions requirement in this Article, the exceedance shall not constitute a violation of the applicable opacity limit.
- D. A person owning or operating a source may petition the Director for an alternative applicable opacity limit. The petition shall be submitted to ADEQ by May 15, 2004.
1. The petition shall contain:
    - a. Documentation that the affected facility and any associated air pollution control equipment are incapable of being adjusted or operated to meet the applicable opacity standard. This includes:
      - i. Relevant information on the process operating conditions and the control devices operating conditions during the opacity or stack tests;
      - ii. A detailed statement or report demonstrating that the source investigated all practicable means of reducing opacity and utilized control technology that is reasonably available considering technical and economic feasibility; and
      - iii. An explanation why the source cannot meet the present opacity limit although it is in compliance with the applicable particulate mass emission rule.
    - b. If there is an opacity monitor, any certification and audit reports required by all applicable subparts in 40 CFR 60 and in Appendix B, Performance Specification 1.
    - c. A verification by a responsible official of the source of the truth, accuracy, and completeness of the petition. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
  2. If the unit for which the alternative opacity standard is being applied is subject to a stack test, the petition shall also include:
    - a. Documentation that the source conducted concurrent EPA Reference Method stack testing and visible emissions readings or is utilizing a continuous opacity monitor. The particulate mass emission test results shall clearly demonstrate compliance with the applicable particulate mass emission limitation by being at least 10% below that limit. For multiple units that are normally operated together and whose emissions vent through a single stack, the source shall conduct simultaneous particulate testing of each unit. Each control device shall be in good operating condition and operated consistent with good practices for minimizing emissions.
    - b. Evidence that the source conducted the stack tests according to R18-2-312, and that they were witnessed by the Director or the Director's agent or representative.
    - c. Evidence that the affected facility and any associated air pollution control equipment were operated and maintained to the maximum extent practicable to minimize the opacity of emissions during the stack tests.

3. If the source for which the alternative opacity standard is being applied is located in a nonattainment area, the petitioner shall include all the information listed in subsections (D)(1) and (D)(2), and in addition:
  - a. In subsection (D)(1)(a)(ii), the detailed statement or report shall demonstrate that the alternative opacity limit fulfills the Clean Air Act requirement for reasonably available control technology; and
  - b. In subsection (D)(2)(b), the stack tests shall be conducted with an opportunity for the Administrator or the Administrator's agent or representative to be present.
- E. If the Director receives a petition under subsection (D) the Director shall approve or deny the petition as provided below by October 15, 2004:
  1. If the petition is approved under subsection (D)(1) or (D)(2), the Director shall include an alternative opacity limit in a proposed significant permit revision for the source under R18-2-320 and R18-2-330. The proposed alternative opacity limit shall be set at a value that has been demonstrated during, and not extrapolated from, testing, except that an alternative opacity limit under this Section shall not be greater than 40%. For multiple units that are normally operated together and whose emissions vent through a single stack, any new alternative opacity limit shall reflect the opacity level at the common stack exit, and not individual in-duct opacity levels.
  2. If the petition is approved under subsection (D)(3), the Director shall include an alternative opacity limit in a proposed revision to the applicable implementation plan, and submit the proposed revision to EPA for review and approval. The proposed alternative opacity limit shall be set at a value that has been demonstrated during, and not extrapolated from, testing, except that the alternative opacity limit shall not be greater than 40%.
  3. If the petition is denied, the source shall either comply with the 20% opacity limit or apply for a significant permit revision to incorporate a compliance schedule under R18-2-309(5)(c)(iii) by April 23, 2006.
  4. A source does not have to petition for an alternative opacity limit under subsection (D) to enter into a revised compliance schedule under R18-2-309(5)(c).
- F. The Director, Administrator, source owner or operator, inspector or other interested party shall determine the process weight rate, as used in this Article, as follows:
  1. For continuous or long run, steady-state process sources, the process weight rate is the total process weight for the entire period of continuous operation, or for a typical portion of that period, divided by the number of hours of the period, or portion of hours of that period.
  2. For cyclical or batch process sources, the process weight rate is the total process weight for a period which covers a complete operation or an integral number of cycles, divided by the hours of actual process operation during the period.

#### **Historical Note**

Former Section R18-2-702 repealed effective September 26, 1990 (Supp. 90-3). New Section R18-2-702 renumbered from R18-2-502 and amended effective November 15, 1993 (Supp. 93-4). Amended by exempt rulemaking at 9 A.A.R. 5550, effective February 3, 2004 (Supp. 03-4).

**APPENDIX B.2**  
**Permitted Sources Identified in Yuma County in 2005**

| <b>PERMITTED POINT SOURCES</b>  |   |  |  |  |   |
|---|---|--|--|--|---|
| <b>Source</b>   | <b>Type of Operation</b>  | <b>Location of Operation</b>                 | <b>2004 Actual PM<sub>10</sub><br/>Emissions<br/>Tons/Year</b> | <b><i>In non-<br/>attainment<br/>Area?</i></b> | <b><i>Subject to R18-<br/>2-702 20%<br/>opacity</i></b> |
| Alsco American Linen  | Yuma Plant- boilers   | 350 S. Gila Street, Yuma                     | 0.26   | Yes  | No*   |
| Arizona Public Service Co.  | Power plant, natural gas/fuel oil fired.<br>250,000 kW capacity                 | 7522 S. Somerton Ave.,<br>Yuma               | 18.9   | Yes  | Yes   |
| Chaparral Veterinary Clinic   | Crematory – animal  | 1963 Arizona Ave., Yuma                      | >1 ton   | Yes  | No*   |
| City of Yuma Figueroa Wastewater Treatment Plant                          | Wastewater treatment plant<br>4 boilers, 2 gas flares, 2 standby<br>generators. | 289 N. Figueroa St., Yuma                    | 0.0102   | Yes  | Yes   |
| City of Yuma Main Street Water Treatment Plant                            | Emergency Generator<br>1006 horsepower, natural gas fired.                      | 175 N. Main, Yuma                            | 0.0102   | Yes  | No*   |
| Coca-Cola Enterprises Inc.  | Remediation equipment   | 439 Gila Street, Yuma                        | Not operating  | Yes  | Yes   |
| Desert Lawn Memorial Park   | Crematory, 150 pounds per hour  | 1550 S. Arizona Ave.,<br>Yuma                | >1 ton   | Yes  | No*   |
| Family Dry Cleaners   | Dry Cleaner   | 305 W. Catalina Dr., Yuma                    | >1 ton   | Yes  | No*   |
| Fertizona Fertilizer Company  | Agricultural chemicals and fertilizers plant                                    | 4290 E. County 10½ St.,<br>Yuma              | 0.76   | Yes  | Yes   |
| Gila Mountain Development<br><i>Facility called Sunset Vista Cemetery</i> | Crematory, 100 pounds per hour  | 11357 E. 40 <sup>th</sup> St., Yuma          | 2.6254   | Yes  | No*   |
| Gowan Company   | Agricultural chemicals and fertilizers<br>mixing and repackaging plant          | 12300 E. County 8 <sup>th</sup> St.,<br>Yuma | >1 ton   | No   | Yes   |
| Growers Mohawk Gin Inc.   | Cotton Gin Permit 94007-89  | 39485 E. County 4 <sup>th</sup> St,<br>Yuma  | 4.9869   | No   | Yes   |
| McElhaney Cattle Co.  | Boilers/Concrete Batch Plant  | 7474 S Highway 95,<br>Wellton                | 0.4765   | No   | Yes   |
| Melody Cleaners   | Dry cleaning plant, 40 hp boiler  | 877 Orange Ave., Yuma                        | 0.0073   | Yes  | No*   |

| PERMITTED POINT SOURCES   |  |  |  |                         |                                  |
|---|--|--|--|-------------------------|----------------------------------|
| Source  | Type of Operation  | Location of Operation                        | 2004 Actual PM <sub>10</sub> Emissions Tons/Year | In non-attainment Area? | Subject to R18-2-702 20% opacity |
| Tri-State Hospital Supply   | Surgical supply and appliance manufacturing  | 3101 E Marine Industrial Park, Yuma          | 0.009  | Yes                     | No*                              |
| Union Chemcar America   | Boilers  | 7211 E 30th St Ste B, Yuma                   | 0.0082   | Yes                     | No*                              |
| US Army Proving Ground  | SVE Units  | US Army Proving Ground, Yuma                 | <1 ton   | Yes                     | Yes                              |
| US Army Proving Ground  | 1609 hp Caterpillar Generators-permit 1000097  | US Army Proving Ground, Yuma                 | 0.0017   | Yes                     | No*                              |
| US Marine Corps   | Generators/Sand blasting/Fuel Cells/Paint booths/gas station/others-permit #s 1001517, 1001518, 1001519, 1001520, 1001521, 1001522 | US Marine Corps, Yuma                        | 2.09   | Yes                     | Yes                              |
| Valley Seed Co  | Agriculture services   | Hwy. 95 & Ave 3E                             | 0.598  | Yes                     | Yes                              |
| Anderson Clayton Corp<br><i>Facility called Western Cotton Services</i> | Cotton Gin   | 45884 E County 2nd St, Roll                  | 11.3956  | No                      | No*                              |
| Weyerhaeuser Paper Company  | Paper products, natural gas fired boilers  | 2641 E. 24 <sup>th</sup> St., Yuma           | 1.472  | Yes                     | Yes                              |
| Yuco Gin Inc.   | Cotton gin-permit # 94048-93   | 7474 N. Hwy 95, Blaisdell                    | 18.5675  | No                      | No*                              |
| Yuma Cogeneration Associates  | Power plant, natural gas fired, 55 MW  | 280 N. 27 <sup>th</sup> Dr., Yuma            | 9.95   | Yes                     | No*                              |
| Yuma Mortuary & Crematory<br>(alias – Ryzek Yuma Mortuary)              | Crematory, 100 pounds per hour   | 551 W. 16 <sup>th</sup> St., Yuma            | <1 ton   | Yes                     | No*                              |
| Yuma Regional Medical Center  | Incinerators and boilers   | 2400 Avenue A, Yuma                          | 0.3949   | Yes                     | Yes                              |
| Copper Mountain Landfill Inc.   | Landfill—permit 1000734  | 34853 East County 12 <sup>th</sup> St., Yuma | 4.69   | Yes                     | Yes                              |

Effective February 3, 2004, all stationary sources in Arizona are subject to the General Provisions 20% opacity limit unless a source-specific opacity limit applies to that source. A source-specific opacity limit may be more stringent, such as the 15% opacity limit applicable to boilers, or less stringent, such as the 40% opacity limit applicable to generators.

| <b>PERMITTED PORTABLE SOURCES</b> |   |   |  |                                |   |
|-----------------------------------|---|---|--|--------------------------------|---|
| <b>Source</b>                     | <b>Type of Operation</b>                    | <b>Location of Operation</b>  | <b>2004 PM<sub>10</sub> Actual Emissions Tons/Year</b> | <i>In non-attainment Area?</i> | <i>Subject to R18-2-702 20% opacity</i> |
| ATC Associates Inc                | SVEU  | West on I-8, Exit 3, South on ave 3E 1-1/4 miles, west on I-8 BL / 32nd St, 2090 E 32nd St, Circle K Store # 01847. T9S R23W S3 | <1 ton   |                                | Yes                                     |
| BTZ Inc., dba Zeller's            | Crushing and screening - permit 1001432     | 240 Wellington Ave., Yuma   | 1.5860   | y                              | Yes                                     |
| BTZ Inc., dba Zeller's            | Crushing and screening - permit 1001433     | 240 Wellington Ave., Yuma   | 0.6644   | y                              | Yes                                     |
| BTZ Inc., dba Zeller's            | Hot mix asphalt – permit 1000918            | 240 Wellington Ave., Yuma   | 1.2397   | y                              | Yes                                     |
| Don Kelland Materials, Inc.       | Hot mix asphalt plant-permit 1000797        | 12522 E. County 8th Street, Yuma  | Permit terminated                                      | ?                              | Yes                                     |
| Don Kelland Materials, Inc.       | Hot mix asphalt plant-permit 1001062        | 4E and County 19th Street Yuma  | 2.4931   | ?                              | Yes                                     |
| Fisher Sand and Gravel            | Crushing and screening plant-permit 27820   | In Yuma - exit 3 off I-8, south on Ave 3E past county 19th street   | 1.1387   |                                | Yes                                     |
| Fisher Sand and Gravel            | Crushing and screening plant-permit 1001476 | From Yuma, north on us-95 to milepost 37.5, east (right) 1 mile to pit  | 0.7437   |                                | Yes                                     |
| FNF Construction                  | Crushing and screening plant-permit 1001375 | From Yuma, north on us-95 past milepost 37, east on Butterfield Stage rd approx 800 ft, north on first road (T8s r21w)          | 4.1353   |                                | Yes                                     |
| H & S Developers, Inc.            | Sand & Gravel                               | 12486 S. Foothill Blvd., Yuma   | 0.9283   | ?                              | Yes                                     |

| <b>PERMITTED PORTABLE SOURCES</b> |   |  |  |                                |   |
|-----------------------------------|---|--|--|--------------------------------|---|
| <b>Source</b>                     | <b>Type of Operation</b>                    | <b>Location of Operation</b>   | <b>2004 PM<sub>10</sub> Actual Emissions Tons/Year</b> | <i>In non-attainment Area?</i> | <i>Subject to R18-2-702 20% opacity</i> |
| J & F Sand, Gravel & Construction | Crushing and screening plant-permit 1001507 | 13700 N. Frontage, Yuma  | 0.3150   | ?                              | Yes                                     |
| Meadow Valley Contractors, Inc    | Crushing and screening-permit 1001495       | I-8 exit 12, north on Fortuna rd 2.0 miles, north (right or initially east) on US-95 4.1 miles to milepost 37.7, east on Butterfield stage rd 0.2 miles, north side of road (T8s r21w) | Permit terminated                                      |                                | Yes                                     |
| Meadow Valley Contractors, Inc    | Hot Mix Asphalt Plant-permit 1001544        | 1.4 miles south of the intersection of Avenue 3E and county road 19  | Permit terminated                                      |                                | Yes                                     |
| Meadow Valley Contractors, Inc.   | PEP screen plant - permit # 1001598         | I-8 exit 3, south on S avenue 3 e 9.4 miles, east on E county 19th st 0.9 miles, south side of road (T10s r23w)  | Non-operational  |                                | Yes                                     |
| Tanner Companies                  | Sand, gravel-permit 1001458                 | MP 37, SR 95, North of Yuma  | 3.0076   |                                | Yes                                     |
| Tanner Companies                  | Asphalt plant-permit 4074-95                | Tanner Way & U.S. Highway 95   | 3.3355   |                                | Yes                                     |
| Tanner Companies                  | Concrete batch plant-permit 1001126         | 2088 E. 20th St. Yuma  | 0.3403   | y                              | Yes                                     |
| Unocal Corporation                | SVEU-permit 26487                           | 505 South Gila Street  | <1 ton   | y                              | Yes                                     |
| Unocal Corporation                | SVEU-permit 1001784                         | 505 South Gila Street  | <1 ton   | y                              | Yes                                     |
| Valley Sand & Gravel Co.          | Concrete batch plant                        | 1717 E. 16 <sup>th</sup> St., Yuma   | 0.4549   | y                              | Yes                                     |
| W & L, Inc.                       | Crushing and Screening Plant                | 4720 E. 16 <sup>th</sup> St., Yuma   | 0.7418   | y                              | Yes                                     |

| <b>PERMITTED PORTABLE SOURCES</b>       |   |   |  |                                |   |
|---|---|---|--|--------------------------------|---|
| <b>Source</b>                           | <b>Type of Operation</b>                    | <b>Location of Operation</b>  | <b>2004 PM<sub>10</sub> Actual Emissions Tons/Year</b> | <i>In non-attainment Area?</i> | <i>Subject to R18-2-702 20% opacity</i> |
| Yuma County Dept. of Public Works       | Crushing and screening plant                | 1 mile east of intersection of Laguna Dam Rd. and County 5 <sup>th</sup> Street, Yuma | 0.5504   |                                | Yes                                     |
| Southwest Original rock Products L.L.C. | Crushing and screening plant – permit 31296 |   | 0.1739   |                                | Yes                                     |
| CS McCrossan Construction Inc.          | Crushing and screening plant – permit 33118 |   | 0.9361   |                                | Yes                                     |
| BLT Companies L.L.C.                    | Concrete Batch Plant – permit 31586         | 3515 Gila Ridge Road, Yuma  | 0.0793   |                                | Yes                                     |
| BLT Companies L.L.C.                    | Crushing and Screening Plant – permit       | Highway 95 and Old Butterfield Stage Road   | 1.1421   |                                | Yes                                     |
| United Metro Materials                  | Concrete Batch Plant – permit 27242         | 275 County 21 ½ Street, San Luis, AZ 85349  | 0.0228   | No                             | Yes                                     |
|   |   |   |  |                                |   |

NOTE: Portable sources may be moved into or out of the nonattainment area upon meeting notification requirements.