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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 4, 2005

Mr. Robert Kennedy
Air Program Manager
US Department of The Army
IMSW-HOD-PWE Building 4219 77th St
Fort Hood, Texas 76544

Re: Permits by Rule Registration Number: 70022
Asbestos Brake Repair & Welding Operations
Fort Hood, Bell County
Regulated Entity Number: RN101612083
Customer Reference Number: CN600126262

Dear Mr. Kennedy:

This is in response to your Form PI-7, entitled "Registration for Permits by Rule," concerning the above referenced facility located at US Highway 190, west of Killeen in Fort Hood, Bell County. We understand that you plan to construct one and register the other asbestos brake repair facility. We also understand these facilities will be located in Building 11057 and Building 40060 on the base and the facilities are contained in an enclosed system with controlled airflow and a high-efficiency particulate air filter as a control device. Furthermore, we also understand that the combined emissions associated with the facilities are less than 0.01 tons per year of particulate matter.

After evaluation of the information which you have furnished, we have determined that your construction is authorized under Title 30 Texas Administrative Codes §§ 106.261 and 106.262 (30 TAC §§ 106.261 and 106.262) if constructed and operated as described in your registration request. These permits by rule were authorized by the Executive Director of the Texas Commission on Environmental Quality (TCEQ) pursuant to 30 TAC Chapter 106.

Copies of the permits by rule in effect at the time of this registration are enclosed. You must construct, install, or modify facilities in accordance with the version of the permits by rule in effect when construction, installation, or modification actually begins [see 30 TAC § 106.4(a)(5)]. After completion of construction, installation, or modification, the facility shall be operated in compliance with all the applicable conditions of the claimed permits by rule and 30 TAC § 106.4.

You are reminded that regardless of whether a permit is required, these facilities must be in compliance with all rules and regulations of the TCEQ and of the U.S. Environmental Protection Agency at all times.

Mr. Robert Kennedy

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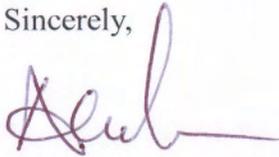
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Please reference the regulated entity number (RN), customer reference number (CN), and permit number noted in this document in all your future correspondence for the referenced facility or site. The RN replaces the former TCEQ account number for the facility (if portable) or site (if permanent). The CN is a unique number assigned to the company or corporation and applies to all facilities and sites owned or operated by this company or corporation.

Your cooperation in this matter is appreciated. If you have any questions concerning these permits by rule, please contact Mr. Rahsaan Cook at (713) 422-8915 or write to the Texas Commission on Environmental Quality, Office of Permitting, Remediation, and Registration, Air Permits Division (MC-163), P.O. Box 13087, Austin, Texas 78711-3087.

Sincerely,



Anne M. Inman, Manager
General/Standard/Rule (GSR) Permit Section
Air Permits Division
Texas Commission on Environmental Quality

AMI/RRC/alb

Enclosures

cc: Air Section Manager, Region 9 - Waco

Project Number: 116589

TITLE 30 ENVIRONMENTAL QUALITY
PART 1 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
CHAPTER 106 PERMITS BY RULE
SUBCHAPTER K GENERAL
RULE §§106.261 **Facilities (Emission Limitations)**

(a) Except as specified under subsection (b) of this section, facilities, or physical or operational changes to a facility, are permitted by rule provided that all of the following conditions of this section are satisfied.

- (1) The facilities or changes shall be located at least 100 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located.
- (2) Total new or increased emissions, including fugitives, shall not exceed 6.0 pounds per hour (lb/hr) and ten tons per year of the following materials: acetylene, argon, butane, crude oil, refinery petroleum fractions (except for pyrolysis naphthas and pyrolysis gasoline) containing less than ten volume percent benzene, carbon monoxide, cyclohexane, cyclohexene, cyclopentane, ethyl acetate, ethanol, ethyl ether, ethylene, fluorocarbons Numbers 11, 12, 13, 14, 21, 22, 23, 113, 114, 115, and 116, helium, isohexane, isopropyl alcohol, methyl acetylene, methyl chloroform, methyl cyclohexane, neon, nonane, oxides of nitrogen, propane, propyl alcohol, propylene, propyl ether, sulfur dioxide, alumina, calcium carbonate, calcium silicate, cellulose fiber, cement dust, emery dust, glycerin mist, gypsum, iron oxide dust, kaolin, limestone, magnesite, marble, pentaerythritol, plaster of paris, silicon, silicon carbide, starch, sucrose, zinc stearate, or zinc oxide.
- (3) Total new or increased emissions, including fugitives, shall not exceed 1.0 lb/hr of any chemical having a limit value (L) greater than 200 milligrams per cubic meter (mg/m^3) as listed and referenced in Table 262 of §106.262 of this title (relating to Facilities (Emission and Distance Limitations)) or of any other chemical not listed or referenced in Table 262. Emissions of a chemical with a limit value of less than $200 \text{ mg}/\text{m}^3$ are not allowed under this section.
- (4) For physical changes or modifications to existing facilities, there shall be no changes to or additions of any air pollution abatement equipment.
- (5) Visible emissions, except uncombined water, to the atmosphere from any point or fugitive source shall not exceed 5.0% opacity in any six-minute period.
- (6) For emission increases of five tons per year or greater, notification must be provided using Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.
- (7) For emission increases of less than five tons per year, notification must be provided using either:
 - (A) Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any; or
 - (B) Form PI-7 by March 31 of the following year summarizing all uses of this permit by rule in the previous calendar year. This annual notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.

(b) The following are not authorized under this section:

- (1) construction of a facility authorized in another section of this chapter or for which a standard permit is in effect; and
- (2) any change to any facility authorized under another section of this chapter or authorized under a standard permit.

Source Note: The provisions of this §106.261 adopted to be effective March 14, 1997, 22 TexReg 2439; amended to be effective December 24, 1998, 23 TexReg 12925; amended to be effective September 4, 2000, 25 TexReg 8653; amended to be effective November 1, 2003, 28 TexReg 9279

TITLE 30 ENVIRONMENTAL QUALITY

PART 1 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

CHAPTER 106 PERMITS BY RULE

SUBCHAPTER K GENERAL

**RULE §§106.262 Facilities (Emission and Distance Limitations)
(Previously SE 118)**

(a) Facilities, or physical or operational changes to a facility, are permitted by rule provided that all of the following conditions of this section are satisfied.

- (1) This section shall not be used to authorize construction or any change to a facility specifically authorized in another section of this chapter, but not meeting the requirements of that section. However, once the requirements of a section of this chapter are met, paragraphs (3) and (4) of this section may be used to qualify the use of other chemicals at the facility.
- (2) Emission points associated with the facilities or changes shall be located at least 100 feet from any off-plant receptor. Off-plant receptor means any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located.
- (3) New or increased emissions, including fugitives, of chemicals shall not be emitted in a quantity greater than five tons per year nor in a quantity greater than E as determined using the equation $E = L/K$ and the following table.

<u>D, Feet</u>	<u>K</u>
100	326
200	200
300	139
400	104
500	81
600	65
700	54
800	46
900	39
1,000	34
2,000	14
3,000 or more	8

E = maximum allowable hourly emission, and never to exceed 6 pounds per hour.

L = value as listed or referenced in Table 262

**K = value from the table on this page.
(interpolate intermediate values)**

D = distance to the nearest off-plant receptor.

TABLE 262

LIMIT VALUES (L) FOR USE WITH EXEMPTIONS FROM PERMITTING §106.262

The values are not to be interpreted as acceptable health effects values relative to the issuance of any permits under Chapter 116 of this title (relating to Control of Air Pollution by Permits for New Construction or Modification).

<u>Compound</u>	<u>Limit (L)</u> <u>Milligrams Per Cubic Meter</u>
Acetone	590.
Acetaldehyde	9.
Acetone Cyanohydrin	4.
Acetonitrile	34.
Acetylene	2662.
N-Amyl Acetate	2.7
Sec-Amyl Acetate	1.1
Benzene	3.
Beryllium and Compounds	0.0005
Boron Trifluoride, as HF	0.5
Butyl Alcohol,	76.
Butyl Acrylate	19.
Butyl Chromate	0.01
Butyl Glycidyl Ether	30.
Butyl Mercaptan	0.3
Butyraldehyde	1.4
Butyric Acid	1.8
Butyronitrile	22.
Carbon Tetrachloride	12.
Chloroform	10.
Chlorophenol	0.2
Chloroprene	3.6
Chromic Acid	0.01
Chromium Metal, Chromium II and III Compounds	0.1
Chromium VI Compounds	0.01
Coal Tar Pitch Volatiles	0.1
Creosote	0.1
Cresol	0.5
Cumene	50.
Dicyclopentadiene	3.1
Diethylaminoethanol	5.5

Compound

Limit (L)
Milligrams Per Cubic Me

Diisobutyl Ketone

63.9

Dimethyl Aniline

6.4

Dioxane

3.6

Dipropylamine

8.4

Ethyl Acrylate

0.5

Ethylene Dibromide

0.38

Ethylene Glycol

26.

Ethylene Glycol Dinitrate

0.1

Ethylidene-2-norbornene, 5-

7.

Ethyl Mercaptan

0.08

Ethyl Sulfide

1.6

Glycolonitrile

5.

Halothane

16

Heptane

350.

Hexanediamine, 1,6-

0.32

Hydrogen Chloride

1.

Hydrogen Fluoride

0.5

Hydrogen Sulfide

1.1

Isoamyl Acetate

133.

Isoamyl Alcohol

15.

Isobutyronitrile

22.

Kepone

0.001

Kerosene

100.

Malononitrile

8.

Mesityl Oxide

40.

Methyl Acrylate

5.8

Methyl Amyl Ketone

9.4

Methyl-t-butyl-ether

45.

Methyl Butyl Ketone

4.

Methyl Disulfide

2.2

Methylenebis (2-chloroaniline) (MOCA)

0.003

Methylene Chloride

26.

Methyl Isoamyl Ketone

5.6

Methyl Mercaptan

0.2

<u>Compound</u>	<u>Limit (L)</u> <u>Milligrams Per Cubic M</u>
Methyl Methacrylate	34.
Methyl Propyl Ketone	530.
Methyl Sulfide	0.3
Mineral Spirits	350.
Naphtha	350.
Nickel, Inorganic Compounds	0.015
Nitroglycerine	0.1
Nitropropane	5.
Octane	350.
Parathion	0.05
Pentane	350.
Perchloroethylene	33.5
Petroleum Ether	350
Phenyl Mercaptan	0.4
Propionitrile	14.
Propyl Acetate	62.6
Propylene Oxide	20.
Propyl Mercaptan	0.23
Silica-amorphous- precipitated, silica gel	4.
Silicon Carbide	4.
Stoddard Solvent	350.
Styrene	21.
Succinonitrile	20.
Tolidine	0.02
Trichloroethylene	135.
Trimethylamine	0.1
Valeric Acid	0.34
Vinyl Acetate	15.
Vinyl Chloride	2.

NOTE: The time weighted average (TWA) Threshold Limit Value (TLV) published by the Am Conference of Governmental Industrial Hygienists (ACGIH), in its TLVs and BEIs guide (1997 Edition) shall be used for compounds not included in the table. The Short Term Exposure Level (STEL) or Ceiling Limit (annotated with a "C") published by the ACGIH shall be used for compounds that do not have a published TWA TLV. This section cannot be used if the compound is not listed in the table or does not have a published TWA TLV, STEL, or Ceiling Limit in the ACGIH TLVs BEIs guide.

- (4) Notification must be provided using Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, and data identifying specific chemical names, L values, D values, and a description of pollution control equipment, if any.
 - (5) The facilities in which the following chemicals will be handled shall be located at least 300 feet from the nearest property line and 600 feet from any off-plant receptor and the cumulative amount of any of the following chemicals resulting from one or more authorizations under this section (but not including permit authorizations) shall not exceed 500 pounds on the plant property and all listed chemicals shall be handled only in unheated containers operated in compliance with the United States Department of Transportation regulations (49 Code of Federal Regulations, Parts 171-178): acrolein, allyl chloride, ammonia (anhydrous), arsine, boron trifluoride, bromine, carbon disulfide, chlorine, chlorine dioxide, chlorine trifluoride, chloroacetaldehyde, chloropicrin, chloroprene, diazomethane, diborane, diglycidyl ether, dimethylhydrazine, ethyleneimine, ethyl mercaptan, fluorine, formaldehyde (anhydrous), hydrogen bromide, hydrogen chloride, hydrogen cyanide, hydrogen fluoride, hydrogen selenide, hydrogen sulfide, ketene, methylamine, methyl bromide, methyl hydrazine, methyl isocyanate, methyl mercaptan, nickel carbonyl, nitric acid, nitric oxide, nitrogen dioxide, oxygen difluoride, ozone, pentaborane, perchloromethyl mercaptan, perchloryl fluoride, phosgene, phosphine, phosphorus trichloride, selenium hexafluoride, stibine, liquified sulfur dioxide, sulfur pentafluoride, and tellurium hexafluoride. Containers of these chemicals may not be vented or opened directly to the atmosphere at any time.
 - (6) For physical changes or modifications to existing facilities, there shall be no changes or additions of air pollution abatement equipment.
 - (7) Visible emissions, except uncombined water, to the atmosphere from any point or fugitive source shall not exceed 5.0% opacity in any five-minute period.
- (b) The following are not authorized under this section except as noted in subsection (c) of this section:
1. (1) construction of a facility authorized in another section of this chapter or for which a standard permit is in effect; and
 - (2) any change to any facility authorized under another section of this chapter or authorized under a standard permit.
- (c) If a facility has been authorized under another section of this chapter or under a standard permit, subsection (a)(2) and (3) of this section may be used to qualify the use of other chemicals at the facility.

Source Note: *The provisions of this §106.262 adopted to be effective March 14, 1997, 22 TexReg 2439; amended to be effective December 24, 1998, 23 TexReg 12925; amended to be effective September 4, 2000, 25 TexReg 8653; amended to be effective November 1, 2003, 28 TexReg 9279*