

## Construction And/Or Recycling Plan Application

TO BE COMPLETED AND RETURNED TO THE CITY OF COALINGA INTEGRATED WASTE MANAGEMENT OFFICIAL. PLEASE ALLOW 15 DAYS FOR REVIEW OF COMPLETE APPLICATIONS. FOR INFORMATION OR QUESTIONS CALL (559)935-1531

THIS FORM MUST BE SUBMITTED AND APPROVED BEFORE ISSUANCE OF A DEMOLITION OR BUILDING PERMIT. THIS REQUIREMENT APPLIES TO CONSTRUCTION AS WELL AS DEMOLITION. PENALTIES MAY BE IMPOSED ON PROJECTS THAT DO NOT MEET DIVERSION RATE REQUIREMENTS.

Permit # \_\_\_\_\_  
Project Address: \_\_\_\_\_  
Project Description: \_\_\_\_\_

### Type of Project:

- |  |   |
|--|---|
| <input type="checkbox"/> Demolition:                     | Project $\geq$ 1 000 Square Feet Gross Floor Area and/or \$20,000 |
| <input type="checkbox"/> Residential Addition:           | Project $\geq$ 1 000 Square Feet Gross Floor Area and/or \$20,000 |
| <input type="checkbox"/> Commercial/Industrial Addition: | Project $\geq$ 1,000 Square Feet Gross Floor Area and/or \$20,000 |
| <input type="checkbox"/> New Structure:                  | Project $\geq$ 1,000 Square Feet Gross Floor Area and/or \$20,000 |
| <input type="checkbox"/> City Public Works Projects:     | Project $\geq$ 1,000 Square Feet Gross Floor Area and/or \$20 000 |

### APPLICANT/OWNER INFORMATION

Name of Applicant: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_ e-mail: \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Company: \_\_\_\_\_

### CERTIFICATION

By signing below, I acknowledge that I am responsible for complying with the requirements of Chapter 2 of the Coalinga Municipal Code related to recovery of construction and demolition debris and that lack of compliance may result in delays in issuance of building/demolition permit(s), hold on final inspection(s) and/or fine(s)

Applicant Signature \_\_\_\_\_ Date \_\_\_\_\_

### OFFICE USE ONLY

Permit # _____	Received By: _____
Date application rec'd: _____	Date Plan Approved: _____
Date application complete: _____	Diversion Rates Rec'd: _____
Action by: _____	
Compliance Certified and Project Released for Final: _____	

## Construction And/Or Demolition Project Information

**Project Address:** \_\_\_\_\_

Estimated Valuation (\$)	Demolition (S.F.)	New Bldg. Area (S.F.)	Demo Start Date	Construction Start Date	Type of Construction; Wood frame, Steel, Concrete, Other (Explain)

Is this a phased project? Yes \_\_\_ No \_\_\_ If yes, explain the construction schedule: \_\_\_\_\_

Will this project require the use of sub-contractors? Yes \_\_\_ No \_\_\_ If yes, briefly explain how you plan to inform the subcontractor(s) of the requirements of the project's compliance with the Construction and Demolition Recycling Plan: \_\_\_\_\_

Chapter 2 Sec. 6-2.34 Mandatory Recycling of Construction and Demolition Waste with the City of Coalinga requires a minimum 50% diversion of construction and demolition debris for covered projects. Briefly state how materials will be sorted for recycling, reuse, or salvage on the site: \_\_\_\_\_

If no materials will be recycled or reused, explain why: \_\_\_\_\_





### Construction & Demolition Diversion Rates

Material / Item	Size / Amount	Pounds	Tons
Ashes, dry	1 cubic foot	35	0.0175
Ashes, wet	1 cubic foot	45	0.0225
Asphalt, crushed	1 cubic foot	45	0.0225
Asphalt, paving, crushed	1 cubic yard	1,380	0.69
Asphalt/Shingles Comp, loose	1 cubic yard	418.5	0.209
Asphalt/Tar roofing	1 cubic yard	2,919	1.4595
Bone meal, raw	1 cubic foot	54	0.027
Brick, common hard	1 cubic foot	112	0.056
Brick, whole	1 cubic yard	3,024	1.512
Carpet and padding, loose	1 cubic yard	84	0.042
Cement, bulk	1 cubic foot	100	0.05
Cement, mortar	1 cubic foot	145	0.0725
Ceramic tile, loose 6"x6"	1 cubic yard	1,214	0.607
Chalk, lumpy	1 cubic foot	75	0.0375
Charcoal	1 cubic foot	15	0.0075
Clay, kaolin	1 cubic foot	22	0.011
Clay, potter's dry	1 cubic foot	119	0.0595
Concrete, cinder	1 cubic foot	90	0.045
Concrete, scrap, loose	1 cubic yard	1,855	0.9275
Cork, dry	1 cubic foot	15	0.0075
Earth, common, dry	1 cubic foot	70	0.035
Earth, loose	1 cubic foot	76	0.038
Earth, moist, loose	1 cubic foot	78	0.039
Earth, mud	1 cubic foot	104	0.052
Earth, wet, containing clay	1 cubic foot	100	0.05
Fiberglass insulation, loose	1 cubic yard	17	0.0085
Fines, loose	1 cubic yard	2,700	1.35
Glass, broken	1 cubic foot	80	0.04
Glass, plate	1 cubic foot	172	0.086
Glass, window	1 cubic foot	157	0.0785
Granite, broken or crushed	1 cubic foot	95	0.0475
Granite, solid	1 cubic foot	130	0.065
Gravel, dry	1 cubic foot	100	0.05
Gravel, loose	1 cubic yard	2,565	1.2825
Gravel, wet	1 cubic foot	100	0.05
Gypsum, pulverized	1 cubic foot	60	0.03
Gypsum, solid	1 cubic foot	142	0.071
Lime, hydrated	1 cubic foot	30	0.015
Limestone, crushed	1 cubic foot	85	0.0425

Limestone, finely ground	1 cubic foot	99	0.0495
Limestone, solid	1 cubic foot	165	
Mortar, hardened	1 cubic foot	100	
Mortar, wet	1 cubic foot	150	
Mud, dry close	1 cubic foot	110	
Mud, wet fluid	1 cubic foot	120	
Pebbles	1 cubic foot	90	
Pumice, ground	1 cubic foot	40	
Pumice, stone	1 cubic foot	39	
Quartz, sand	1 cubic foot	70	
Quartz, solid	1 cubic foot	165	
Rock, loose	1 cubic yard	2,570	
Rock, soft	1 cubic foot	100	
Sand, dry	1 cubic foot	90	
Sand, loose	1 cubic yard	2,441	
Sand, moist	1 cubic foot	110	
Sand, wet	1 cubic foot	110	
Sheetrock scrap, loose	1 cubic yard	393.5	
Slag, crushed	1 cubic yard	1,998	
Slag, loose	1 cubic yard	2,970	
Slag, solid	1 cubic foot	160	
Slate, fine ground	1 cubic foot	80	
Slate, granulated	1 cubic foot	95	
Slate, solid	1 cubic foot	165	
Soap, chips	1 cubic foot	15	
Soap, powder	1 cubic foot	20	
Soap, solid	1 cubic foot	50	
Soil/sandy loam, loose	1 cubic yard	2,392	
Stone or gravel	1 cubic foot	95	
Stone, crushed	1 cubic foot	100	
Stone, crushed, size reduced	1 cubic yard	2,700	
Stone, large	1 cubic foot	100	
Wax	1 cubic foot	60.5	
Wood ashes	1 cubic foot	48	

**Yard Waste**

<b>Material / Item</b>	<b>Size / Amount</b>	<b>Pounds</b>	<b>Tons</b>
Yard trimmings, mixed	1 cubic yard	108	0.054
Yard trimmings, mixed	40 cubic yards	4,320	2.16
Grass	33 gallons	25	0.0125
Grass	3 cubic yards	840	0.42
Grass & leaves	3 cubic yards	325	0.1625
Large limbs and stumps	1 cubic yard	1,080	0.54
Leaves, dry	1 cubic yard	343	0.1715
Leaves	33 gallons	12	0.006
Leaves	3 cubic yards	200	0.1
Prunings, dry	1 cubic yard	36	0.018
Prunings, green	1 cubic yard	46	0.023
Prunings, shredded	1 cubic yard	527	0.2635

**Wood**

<b>Material / Item</b>	<b>Size / Amount</b>	<b>Pounds</b>	<b>Tons</b>
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Cork, dry	1 cubic foot	15	0.0075
Pallet, wood or plastic	Average 48"x48"	40	0.02
Particle board, loose	1 cubic yard	425	0.2125
Plywood, sheet 2'x4'	1 cubic yard	776	0.388
Roofing/shake shingle, bundle	1 cubic yard	435	0.2175
Sawduct, loose	1 cubic yard	375	0.1875
Shavings, loose	1 cubic yard	440	0.22
Wood chips, shredded	1 cubic yard	500	0.25
Wood scrap, loose	1 cubic yard	329	0.1645
Wood, bark, refuse	1 cubic foot	30	0.015
Wood, pulp, moist	1 cubic foot	45	0.0225
Wood, shavings	1 cubic foot	15	0.0075

Source: California Integrated Waste Management Board

# SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT

**Northern Region Office**  
 4800 Enterprise Way  
 Modesto, CA 95356-8718  
 (209) 557-6400 ♦ FAX (209) 557-6475  
 (San Joaquin, Stanislaus and Merced Counties)

**Central Region Office**  
 1990 East Gettysburg Avenue  
 Fresno, CA 93726-0244  
 (559) 230-6000 ♦ FAX (559) 230-6062  
 (Fresno, Madera and Kings Counties)

**Southern Region Office**  
 2700 "M" Street, Suite 275  
 Bakersfield, CA 93301-2373  
 (661) 326-6900 ♦ FAX (661) 326-6985  
 (Tulare and Kern Counties)

## DEMOLITION PERMIT RELEASE

The purpose of this form is to verify compliance with or exemption from the National Emission Standards for Hazardous Air Pollutants (NESHAP) asbestos **notification** requirements. It is the Applicant's responsibility to obtain the required signature from the District and return this form to the appropriate city or county building department **prior to obtaining a demolition permit.**

### Project Description

Job Site Address: _____	City: _____	Zip Code: _____
Owner's name: _____	Telephone: _____	Fax: _____
Owner's Address: _____	City: _____	Zip Code: _____
Contractor's Name: _____	Telephone: _____	Fax: _____
Contractor's Address: _____	City: _____	Zip Code: _____

1. Facility being demolished:	Yes	No	2. Proposed project:	Yes	No
Single Family Dwelling or Apartment, with four or fewer units.	<input type="checkbox"/>	<input type="checkbox"/>	Single Family Dwelling	<input type="checkbox"/>	<input type="checkbox"/>
Other (describe): _____			Subdivision, Retail or Commercial Project	<input type="checkbox"/>	<input type="checkbox"/>
Is demolition by intentional burning?	<input type="checkbox"/>	<input type="checkbox"/>	Public Project (School, Highway, etc..)	<input type="checkbox"/>	<input type="checkbox"/>
			Future use planned	<input type="checkbox"/>	<input type="checkbox"/>

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
 Signature of applicant Title Date

#### FOR SJVUAPCD USE ONLY

This certifies that the demolition applicant has satisfied the APCD's notification requirements. The APCD allows the demolition to proceed on or after \_\_\_\_\_, 200\_\_\_\_\_.

This certifies that the Demolition application is exempt from the APCD's requirements.

**District approval on this form only indicates compliance with or exemption from the NESHAP notification requirements. Enforcement action will be taken if asbestos NESHAP violations are found at the project.**

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Approval Signature: \_\_\_\_\_ Date: \_\_\_\_\_

# San Joaquin Valley Unified Air Pollution Control District

## Asbestos Notification

Operator Project #	Postmark Date	Received Date	Fee Received \$	District Notification #			
Completed by:		Company:		Phone:			
<b>1. TYPE OF NOTIFICATION:</b>	Original <input type="checkbox"/>	Revised (Dates) <input type="checkbox"/>	Revised (Others) <input type="checkbox"/> (Highlight Changes)	Canceled <input type="checkbox"/> Courtesy <input type="checkbox"/>			
<b>2. TYPE OF OPERATION:</b>	Demo <input type="checkbox"/>	Ordered Demo <input type="checkbox"/>	Renovation <input type="checkbox"/>	Emergency Renovation <input type="checkbox"/>			
<b>3. FACILITY DESCRIPTION:</b> (Include building name, number, and floor or room number)							
Building Name:			Lease Name:				
Address:			City:	County:			
Site Location on property:							
Is demolition in preparation for construction? <input type="checkbox"/> Yes <input type="checkbox"/> No		Building Size:	Sq Ft	Number of Floors: Age:			
Present Use:		Prior Use:		Future Use:			
<b>4. IS ASBESTOS PRESENT:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>SURVEY COMPLETED:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> TO BE CONDUCTED							
<b>5. A COPY OF THE INSPECTION REPORT WITH PROCEDURE, INCLUDING ANALYTICAL METHOD USED TO DETECT THE PRESENCE OF ASBESTOS MATERIAL MUST BE INCLUDED WITH THIS NOTIFICATION.</b>							
<b>6. Approximate amount of asbestos, including:</b> 1. Regulated ACM to be removed 2. Category I/II ACM not removed. 3. Non-friable ACM to be removed.	(1) RACM to be removed	Friable ACM (<1%)	(2) Non-friable ACM not to be removed Category I    Category II	(3) Non-friable ACM to be removed (Courtesy) Category I    Category II			
Pipes (Linear Feet)							
Surface Area (Square Feet)							
Volume (Cubic Feet-If Lmf Or Sqft Could Not Be Measured)							
<b>ASBESTOS REMOVED FROM</b>	Surfaces: <input type="checkbox"/> Yes <input type="checkbox"/> No		Pipes: <input type="checkbox"/> Yes <input type="checkbox"/> No	Components: <input type="checkbox"/> Yes <input type="checkbox"/> No			
<b>AMOUNT OF EACH TYPE OF ASBESTOS (in square feet)</b>	Acoustic ceiling	Sheet Vinyl	Insulation	Fire Proofing	Ducting	Stucco	Mastic
Floor Tile (VAT)	Dry Wall	Plaster	Transite	Roofing	Others (Describe)		
<b>7. REMOVAL DATES:</b> (MM/DD/YY)		Start:	Complete:				
<b>8. DEMO/RENOVATION DATES</b> (MM/DD/YY)		Start:	Complete:				
<b>9. FACILITY OWNER INFORMATION:</b>							
Address:		City:	State:	Zip:			
Contact:		Telephone:	Site Supervisor:				
<b>10. REMOVAL CONTRACTOR:</b>			<b>CAL-OSHA REGISTRATION #:</b>				
Address:		City:	State:	Zip:			
Contact:		Telephone:	Site Supervisor:				
<b>11. OTHER CONTRACTOR:</b>			<b>CSLB LICENSE #:</b>				
Address:		City:	State:	Zip:			
Contact:		Telephone:	Site Supervisor:				

<b>12. DESCRIPTION OF PLANNED DEMOLITION OR RENOVATION WORK, AND METHOD(S) TO BE USED:</b>			
<b>13. DESCRIPTION OF WORK PRACTICES AND ENGINEERING CONTROLS TO BE USED TO PREVENT ASBESTOS EMISSIONS AT THE SITE:</b>			
<b>14. ACWM WASTE TRANSPORTER:</b>			
Address:	City:	State:	Zip:
Contact:	Telephone:		
<b>15. ACWM WASTE DISPOSAL SITE:</b>			
Address:	City:	State:	Zip:
Contact:	Telephone:		
<b>16. RECYCLING OF WASTE MATERIAL (NO ACM MAY BE RECYCLED):</b>			
Name:			
Location:	City:	State:	Zip:
Contact:	Telephone:		
<b>17. DEMOLITION ORDERED BY A GOVERNMENT AGENCY; identify the agency, attach copy of the order)</b>			
Name:		Title:	
			Authority:
Date of order (MM/DD/YY):		Date order to begin: (MM/DD/YY):	
<b>18. FOR EMERGENCY RENOVATIONS:</b>			
<b>GIVE THE NAME AND PHONE NUMBER OF THE PERSON DECLARING/AUTHORIZING THE EMERGENCY, DATE AND HOUR OF EMERGENCY AND DESCRIPTION OF THE SUDDEN, UNEXPECTED EVENT:</b>			
<b>EXPLANATION OF HOW THE EVENT CAUSED UNSAFE CONDITIONS OR WOULD CAUSE EQUIPMENT DAMAGE OR AN UNREASONABLE FINANCIAL BURDEN:</b>			
<b>19. DESCRIPTION OF PROCEDURES TO BE FOLLOWED IN THE EVENT THAT UNEXPECTED ASBESTOS IS FOUND OR PREVIOUSLY ON-FRIABLE ASBESTOS MATERIAL BECOMES CRUMBLED, PULVERIZED, OR REDUCED TO POWDER:</b>			
<b>20. IF RACM IS PRESENT AN INDIVIDUAL TRAINED IN THE PROVISIONS OF THIS REGULATION (40 CFR., PART 61, SUBPART M) WILL BE ON SITE DURING THE DEMOLITION OR RENOVATION AND EVIDENCE THAT THE REQUIRED TRAINING HAS BEEN ACCOMPLISHED BY THIS PERSON WILL BE AVAILABLE FOR INSPECTION.</b>			
<b>21. I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT TO THE BEST OF MY KNOWLEDGE.</b>			
PRINT NAME OF OWNER/OPERATOR		SIGNATURE OF OWNER/OPERATOR	
		DATE	

*Category I non-friable asbestos-containing material (ACM)* means asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1 percent asbestos

*Category II non-friable ACM* means any material, excluding Category I non-friable ACM, containing more than 1 percent asbestos.

*Regulated asbestos-containing material (RACM)* means (a) Friable asbestos material, (b) Category I nonfriable ACM that has become friable, (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this subpart.

## ARTICLE 49 — HOT WORK

### SECTION 4901 — GENERAL

**4901.1 Scope.** The use of welding, cutting and other hot-work equipment shall be in accordance with Article 49.

**EXCEPTION:** Hot work under special permit, hot work allowed with alternate requirements in conjunction with ship construction or repair, or hot work in confined spaces need not comply with Article 49.

For construction, alteration and work requirements at terminals and refineries, and tank construction or repair, see Section 7904.7.

Storage, use and handling of hazardous materials associated with hot work shall be in accordance with the specific articles which regulate the materials.

Compressed gases shall be in accordance with Article 74.

Storage of hazardous materials shall be in accordance with Article 80.

#### 4901.2 Definitions.

**4901.2.1 General.** For definitions, see Article 2.

**4901.2.2 Limited application.** For the purposes of Article 49, certain terms are defined as follows:

**HOT WORK** is operations including cutting, welding, use of open torch, brazing, glass blowing or similar operations.

**HOT-WORK AREA** is the area which is exposed to sparks, hot slag, or radiant or convective heat as a result of the hot work.

**HOT-WORK EQUIPMENT** is electric or gas welding or cutting equipment used for hot work.

**4901.3 Permits.** For permits to conduct hot work, see Section 105.8, Permit h.3

#### 4901.4 Fire Watch.

**4901.4.1 General.** A fire watch, in accordance with Section 4901.4, shall be provided during hot-work activities and shall continue for a minimum of 30 minutes after the conclusion of the work. The chief is authorized to extend the fire watch based on the hazards or work being performed.

**EXCEPTION:** A fire watch is not required when the hot-work area has no fire hazards or combustible exposures.

**4901.4.2 Location.** The fire watch shall include the entire hot-work area. Hot work conducted in areas with vertical or horizontal fire exposures that are not observable by a single individual shall have additional personnel assigned to fire watches to ensure that exposed areas are monitored.

**4901.4.3 Duties.** Individuals designated to fire watch duty shall have fire-extinguishing equipment readily available and shall be trained in the use of such equipment. Individuals assigned to fire watch duty shall be responsible for extinguishing spot fires and communicating an alarm.

#### 4901.5 Hot-work Area.

**4901.5.1 General.** Hot-work areas shall be in accordance with Section 4901.5

**4901.5.2 Prohibited areas.** Hot work shall not be conducted in rooms or areas where flammable liquids or vapors, lint, dust, or combustible storage is at risk of ignition from sparks or hot metal from the hot work or in other locations as determined by the chief.

**4901.5.3 Combustibles.** Hot-work areas shall not contain combustibles or shall be provided with appropriate shielding to prevent sparks, slag or heat from igniting exposed combustibles.

**4901.5.4 Openings.** Openings or cracks in walls, floors, ducts or shafts within the hot-work area shall be tightly covered to prevent the passage of sparks to adjacent combustible areas, or shielding by metal or fire-resistant guards or curtains shall be provided to prevent passage of sparks or slag.

Where hot work is performed above locations where persons are likely to pass, noncombustible shields shall be used for protection from sparks and hot metal or oxide.

**4901.5.5 Housekeeping.** Floors shall be kept clean within the hot-work area.

**4901.5.6 Conveyor systems.** Conveyor systems that could carry sparks to distant combustibles shall be shielded or shut down.

#### 4901.6 Pre-hot-work Check.

**4901.6.1 General.** A pre-hot-work check shall be conducted in accordance with Section 4901.6.

**4901.6.2 Hot-work equipment inspection.** Hot-work equipment shall be inspected by the operator prior to use.

**4901.6.3 Hot-work site inspection.** The hot-work site shall be inspected by the individual responsible for the hot work for compliance with Section 4901.5. The inspection of the hot-work site shall ensure that:

1. The hot-work site is clear of combustibles or that combustibles are protected;
2. Exposed construction is of noncombustible materials or that combustible materials are protected;
3. Openings are protected;
4. Floors are kept clean;
5. There are no exposed combustibles on the opposite side of partitions, walls, ceilings and floors;
6. Fire watches are assigned, equipped and trained; and
7. Fire extinguishers shall be verified as operable and available

**4901.6.4 Report.** A sign-off sheet that indicates that required safety precautions listed in Section 4901.6 have been accomplished shall be available at the work site. The sheet shall be signed by the individual responsible for the hot work.

#### 4901.7 Cylinders.

##### 4901.7.1 Manifolding of cylinders.

**4901.7.1.1 Oxygen manifolds.** Oxygen manifolds shall not be located in an acetylene generator room or in close proximity to cylinders of combustible gases. Oxygen manifolds shall be located away from material such as oil, grease or any substance likely to cause or accelerate fire.

**4901.7.1.2 Fuel-gas manifolds.** Where it is necessary to manifold fuel-gas cylinders having an aggregate gas capacity in excess of the exempt amounts in Table 8001.15-A, cylinders and manifolds shall be located outside or in a room or a building complying with the Building Code for a Group H, Division 2 Occupancy. Ventilation shall be provided in accordance with Section 8003.1.4.

**4901.7.2 Location.** Portable oxygen/fuel gas welding equipment located inside of buildings shall be stored in a well-ventilated dry location at least 20 feet (6096 mm) from combustible material and away from elevators, stairs, gangways or means of egress.

**4901.7.3 Maximum pressure.** Acetylene shall not be utilized at a pressure in excess of 15 psi gage (103.4 kPa).

**4901.7.4 Hydrocarbon residues.** Cylinders, cylinder valves, couplings, regulator hose and apparatus shall be kept free from grease, oil or other hydrocarbon residues. Oxygen cylinders or apparatus shall not be handled with oily hands or gloves.

**4901.7.5 Hoses.** Damaged, leaking or worn hoses shall not be used.

#### **4901.8 Arc-welding Equipment.**

**4901.8.1 Installation.** Electrical equipment shall be in accordance with the manufacturer's recommendations and the Electrical Code.

**4901.8.2 Emergency disconnect.** A switch or circuit breaker shall be provided so that fixed electric welders and control equipment can be disconnected from the supply circuit. The disconnect shall be installed in accordance with the Electrical Code. The disconnect shall be marked EMERGENCY DISCONNECT and shall be visible from the equipment.

**4901.8.3 Damaged cable.** Damaged cables shall be removed from service until properly repaired or replaced.

**4901.9 Fire Protection.** A minimum 2-A, 20-B:C-rated fire extinguisher or a charged water hose equipped with a nozzle shall be located within 30 feet (9144 mm) of the location where hot work is in progress and shall be accessible without climbing stairs or ladders.

**4901.10 Identification Signs.** Visible hazard identification signs shall be provided when required by Section 8001.7.

When the hot-work area is accessible to persons other than the operator of the hot-work equipment, conspicuous signs shall be posted to warn others before they enter the hot-work area. Such signs shall display the following warning:

CAUTION—HOT WORK IN PROCESS—STAY CLEAR

### **SECTION 4902 — FIXED HOT-WORK AREAS**

**4902.1 Fixed Hot-work Areas.** Fixed hot-work areas shall be in accordance with Sections 4901 and 4902.

**4902.2 Floors.** Floors in fixed hot-work areas shall have non-combustible surfaces.

**4902.3 Partitions.** Partitions segregating hot-work areas shall be noncombustible and shall be securely connected to the floor so that there is no gap between the floor and the partition. Walls shall prevent the passage of sparks, slag and heat from the hot-work area.

## ARTICLE 87 — FIRESAFETY DURING CONSTRUCTION, ALTERATION OR DEMOLITION OF A BUILDING

### SECTION 8701 — SCOPE

Buildings undergoing construction, alteration or demolition shall be in accordance with Article 87.

### SECTION 8702 — PERMITS

For permits to conduct asbestos-removal operations regulated by Section 8707, see Section 105, Permit a 4.

### SECTION 8703 — APPROVALS

Approval of the safety precautions required for buildings being constructed, altered or demolished may be required by the chief in addition to other approvals required for specific operations or processes associated with such construction, alteration or demolition.

**EXCEPTION:** Buildings designated as Group R, Division 3 or Group U do not require approval of safety precautions

### SECTION 8704 — FIRESAFETY DURING CONSTRUCTION

**8704.1 General.** Buildings under construction shall be in accordance with Section 8704.

**8704.2 Access Roads.** Fire department access roads shall be established and maintained in accordance with Section 902.

**EXCEPTION:** When approved, temporary access roads of a width, vertical clearance and surface which provide access for fire department apparatus are allowed to be used until permanent roads are installed.

**8704.3 Water Supply.** Water mains and hydrants shall be installed and operational in accordance with Section 903.

**EXCEPTION:** When approved, a temporary water supply for fire protection is allowed to be used until permanent fire-protection systems are installed.

#### 8704.4 Fire Protection.

**8704.4.1 General.** During the construction of a building and until the permanent fire-extinguishing system has been installed and is in service, fire protection shall be provided in accordance with Section 8704.

**8704.4.2 Fire extinguishers.** Fire extinguishers shall be provided for buildings under construction when required by the chief. The number and type of extinguishers shall be as required by the chief, and the type of extinguisher shall be suitable for the type of fire associated with the hazards present

#### 8704.4.3 Standpipes.

**8704.4.3.1 Where required.** Every building four stories or more in height shall be provided with not less than one standpipe for use during construction. Such standpipes shall be installed when the progress of construction is not more than 35 feet (10 668 mm) in height above the lowest level of fire department access. Such standpipe shall be provided with fire department hose connections at accessible locations adjacent to usable stairs and the standpipe outlets shall be located adjacent to such usable stairs. Such standpipe systems shall be extended as construction progresses to within one floor of the highest point of construction having secured decking or flooring.

On each floor there shall be provided a 2½-inch (63.5 mm) valve outlet for fire department use. Where construction height requires installation of a Class III standpipe, fire pumps and water main connections shall be provided to serve the standpipe.

**8704.4.3.2 Temporary standpipes.** Temporary standpipes are allowed to be provided in place of permanent systems if they are designed to furnish 500 gallons (1893 L) of water per minute at 50 pounds per square inch (345 kPa) pressure with a standpipe size of not less than 4 inches (101.6 mm). All outlets shall not be less than 2½ inches (63.5 mm). Pumping equipment sufficient to provide this pressure and volume shall be available at all times when a Class III standpipe system is required.

**8704.4.3.3 Detailed requirements.** Standpipe systems for buildings under construction shall be installed as required for permanent standpipe systems.

**8704.5 Combustible Debris.** Combustible debris shall not be accumulated within buildings. Combustible debris, rubbish and waste material shall be removed from buildings as often as practical. Combustible debris, waste material and trash shall not be burned on the site unless approved.

**8704.6 Motor Equipment.** Internal-combustion-powered construction equipment shall be used in accordance with the following:

1. Equipment shall be located so that exhausts do not discharge against combustible material,
2. When possible, exhausts shall be piped to the outside of the building,
3. Equipment shall not be refueled while in operation, and
4. Fuel for equipment shall be stored in an approved area outside of the building.

**8704.7 Heating Devices.** Temporary heating devices shall be of an approved type, located away from combustible materials, and attended and maintained by competent personnel.

**8704.8 Smoking.** Smoking shall be prohibited, except in those areas approved. When required by the chief, a suitable number and type of NO SMOKING signs shall be posted.

**8704.9 Cutting and Welding.** Cutting and welding operations shall be in accordance with Article 49.

**8704.10 Flame-producing Equipment.** The use of torches or flame-producing devices for the sweating of pipe joints shall be in accordance with Article 49.

**8704.11 Flammable Liquids.** The storage, use and handling of flammable liquids shall be in accordance with Article 79. Ventilation shall be provided for operations utilizing the application of materials containing flammable solvents.

**8704.12 Open-flame Devices.** Open-flame devices and other sources of ignition shall not be located in areas where flammable materials are being used.

**8704.13 Asphalt and Tar Kettles.** Asphalt and tar kettles shall be located and operated in accordance with Section 1105.

**8704.14 Temporary Electrical Wiring.** Temporary electrical wiring shall be in accordance with Section 8503.

**8704.15 Building Access.** When required by the chief, access to buildings for the purpose of firefighting shall be provided.

Construction material shall not block access to buildings, hydrants or fire appliances.

**8704.16 Emergency Telephone.** When required by the chief, telephone facilities shall be provided at the construction site for the purpose of emergency notification of the fire department. The street address of the construction site shall be posted adjacent to the telephone together with the fire department telephone number.

**8704.17 Fire-protection Plan.** When required by the chief, a fire-protection plan shall be established.

## SECTION 8705 — ALTERATIONS OF BUILDINGS

**8705.1 General.** Alterations of buildings shall be in accordance with the Building Code, applicable provisions of Section 8704, and Section 8705.

**8705.2 Fire-protection Systems.** When the building is protected by fire-protection systems, such systems shall be maintained operational at all times during alteration.

When alteration requires modification of a portion of a fire-protection system, the remainder of the system shall be kept in service. When it is necessary to shut down the entire system, a fire watch shall be kept on site until the system is returned to service.

**8705.3 Means of Egress.** Required means of egress components shall be maintained in accordance with Article 12.

**EXCEPTION:** Approved temporary means of egress system or facilities.

**8705.4 Fire-resistive Assemblies and Construction.** Fire-resistive assemblies and construction shall be maintained in accordance with Section 1111.

## SECTION 8706 — FIRESAFETY DURING DEMOLITION

**8706.1 General.** Demolition of buildings shall be in accordance with Section 8706 and, where applicable, Sections 8704 and 8705.

**8706.2 Automatic Sprinkler System.** When a building to be demolished contains a sprinkler system, such system shall not be rendered inoperative without approval of the chief.

**8706.3 Fire Hose.** Suitable fire hose, as required by the chief, shall be maintained at the demolition site. Such hose shall be connected to an approved source of water and shall not impede fire department use of hydrants,

**8706.4 Cutting and Welding.** Demolition operations involving cutting and welding shall be in accordance with Article 49.

**8706.5 Burning of Combustible Waste.** Combustible waste material, trash and rubbish shall not be burned at the demolition site, unless approved. Accumulations of such material shall be removed from the site as often as necessary to minimize the hazards therefrom.

**8706.6 Fire Watch.** When required by the chief for building demolition which is hazardous in nature, qualified personnel shall be provided to serve as an on-site fire watch. The sole duty of fire-watch personnel shall be to watch for the occurrence of fire.

## SECTION 8707 — ASBESTOS REMOVAL

**8707.1 General.** Operations involving removal of asbestos or asbestos-containing materials from buildings shall be in accordance with Section 8707.

**EXCEPTION:** Section 8707 does not apply to the removal of asbestos from:

1. Pumps, valves, gaskets and similar equipment.
2. Pipes, ducts, girders or beams which have a length less than 21 linear feet (6400 mm).
3. Wall or ceiling panels which have an area of less than 10 square feet (0.93 m<sup>2</sup>) or a dimension of less than 10 linear feet (3048 mm).
4. Floor tiles when the duration of work can be completed in less than four hours.
5. Group R, Division 3 Occupancies.

**8707.2 Notification.** The chief shall be notified 24 hours prior to the commencement and closure of asbestos-removal operations.

The permit applicant shall notify the building official when asbestos abatement involves the removal of materials which were used as a feature of the building's fire resistance.

**8707.3 Plastic Film.** Plastic film which is installed on building elements shall be flame resistant as required for combustible decorative material in accordance with Section 1103.3.3.

**8707.4 Signs.** Approved signs shall be posted at the entrance, exit and exit-access door, decontamination areas and waste-disposal areas for asbestos-removal operations. The signs shall state that asbestos is being removed from the area, that asbestos is a suspected carcinogen and that proper respiratory protection is required. Signs shall have a reflective surface and lettering shall be a minimum of 2 inches (51 mm) high.

**Sec. 6-2.34. - Mandatory recycling of construction and demolition waste.**

(a)

*Threshold for covered projects.* The threshold for mandatory recycling of construction and demolition waste is as follows:

(1)

All construction and renovation projects within the City, the valuation of which are, or are projected to be, greater or equal to twenty thousand dollars (\$20,000.00) shall comply with this section. The cost of the project shall be the valuation ascribed to the project by the City's Building Inspector or the City's Public Works Department. In addition, all demolition projects having a total square footage of more than one thousand (1,000) shall be a covered project. Failure to comply with any of the terms of this section shall subject the project applicant to the full range of enforcement mechanisms as set forth in this chapter.

(2)

All City-sponsored construction and renovation projects within the City, the costs of which are, or are projected to be, greater or equal to twenty thousand dollars (\$20,000.00) shall comply with this section. The cost of the project shall be the valuation ascribed to the project by the City's Building Inspector or the City's Public Works Department. In addition, all City-sponsored demolition projects having a total square footage of more than one thousand (1,000) shall be a covered project. These City-sponsored covered projects shall submit a recycling plan to the designated compliance official prior to beginning any construction activities and shall be subject to all applicable provisions of this section with the exception of enforcement mechanisms and penalties as set forth in this chapter.

(3)

Applicants for construction, demolition and renovation projects within the City whose total costs are valued at less than twenty thousand dollars (\$20,000.00) shall be encouraged to divert at least fifty (50) percent of all project-related construction and demolition debris.

(4)

Compliance with the provisions of this section shall be listed as a condition of approval on any building or demolition permit issued for a covered project.

(b)

*Recycling plan application forms.* Applicants for building or demolition permits involving any covered project shall complete and submit a recycling plan application which will be provided by the City at the time a permit is requested.

(c)

*Review of recycling plan.*

(1)

Notwithstanding any other provision of this Code, no building or demolition permit shall be issued for any covered project unless and until the City has approved the recycling plan. Approval shall not be required, however, where an emergency demolition is required to protect public health or safety as determined by the City

(2)

If the City determines that the recycling plan is incomplete or fails to indicate that at least fifty (50) percent by weight of all construction and demolition debris generated by the project, the recycling plan shall be returned to the applicant and marked "denied" or "further explanation required".

(d)

*Compliance with recycling plan.* Prior to receiving a certificate of occupancy or final inspection for the project, the applicant shall submit to the City documentation that the diversion requirement for the project has been met. The diversion requirement shall be that the applicant has diverted at least fifty (50) percent of the total construction or demolition debris generated by the project via reuse or recycling, unless the applicant has been granted an infeasible exemption pursuant to the chapter, in which case the diversion requirement shall be the maximum feasible diversion rate established by the City for the project. This documentation shall include all of the following:

(1)

Receipts from the vendor or facility which collected or received each material showing the actual weight or volume of that material.

(2)

A copy of the previously approved recycling plan for the project adding the actual volume or weight of each material diverted and landfilled.

(3)

Any additional information that the applicant believes is relevant to determining its efforts to comply in good faith with this section.

(e)

*Weighing and disposing of wastes.* The City's authorized franchisee disposal company shall be responsible to pick up, weigh and dispose of all waste materials and construction debris in accordance with the approved recycling plan.

(f)

*Determination of compliance.* The City shall review the information submitted under the provisions of this section and determine whether the applicant has complied with the diversion requirement, as follows:

(1)

*Full compliance.* If the City determines that the applicant has fully complied with the diversion requirements applicable to the project, the City shall approve the recycling plan and inform the Building Inspector that a certificate of occupancy or final inspection can be issued.

(2)

*Substantial compliance.* If the City determines that the diversion requirement has not been achieved, or the City has determined on a case-by-case basis whether the applicant has made a good faith effort to comply with this section. In making this determination, the City shall consider the availability of markets for the construction and demolition debris landfilled, the size of the project, and the documented efforts of the applicant to divert construction and demolition debris. If the City determines that the applicant has made a good faith effort to comply with this section, the City shall approve the recycling plan and inform the Building Inspector that a certificate of occupancy or final inspection can be issued.

(3)

*Noncompliance.* If the City determines that the applicant has not made a good faith effort to comply with this section, or if the applicant fails to submit the documentation required by this section within the required time period, then the applicant shall pay a penalty in the amount calculated as two (2) percent of the total project valuation. After payment of the penalty, the City shall inform the Building Inspector that a certificate of occupancy or final inspection can be issued.

(g)

*Falsification of records.* If the applicant deliberately provides false or misleading data to the City in violation of this section, the applicant may be subject to penalties in addition to those specified in this chapter. In any civil enforcement action, administrative or judicial, the City shall be entitled to

recover its attorneys' fees and costs from an applicant who is determined by a court of competent jurisdiction to have violated this section

(h)

*Infeasible exemption.* The following procedures will be used to in applying for an infeasible exemption under this section:

(1)

If an applicant for a covered project experiences unique circumstances that the applicant believes make it infeasible to comply with the diversion requirement, the applicant may apply for an exemption at the time he or she submits the recycling plan required under subsection (b) of this section. The applicant shall indicate on the recycling plan the maximum rate of diversion he or she believes is feasible for each material and the specific circumstances that he or she believes make it infeasible to comply with the diversion requirement.

(2)

The City shall review the information supplied by the applicant and may meet with the applicant to discuss possible ways to meeting the diversion requirement. The City may request that staff from appropriate County, State and Federal agencies assist in providing information and in the review process.

(3)

If the City determines that it is infeasible for the applicant to meet the diversion requirement due to unique circumstances, he or she shall determine the maximum feasible diversion rate for each material and shall indicate this rate on the recycling plan submitted by the applicant. The City shall return a copy of the recycling plan to the applicant marked "Approved for Infeasible Exemption" and shall notify the Building Inspector and the Public Works Department that the recycling plan has been approved.

(4)

If the City determines that it is possible for the applicant to meet the diversion requirement, he or she shall so inform the applicant in writing. The applicant shall have thirty (30) days to resubmit a recycling plan form in full compliance with subsection (b) of this section. If the applicant fails to resubmit the recycling plan, or if the resubmitted recycling plan does not comply with subsection (b) of this section, the City shall deny the recycling plan in accordance with the section.

(i)

*Appeals.* An appeal to the decision made by a City staff member may be made to the City Manager not longer than ten (10) calendar days after the City staff member's decision. The decision of the City Manager shall be final. The applicant must specifically state in notice of appeal the following:

(1)

The name and address of the appellant and the appellant's interest in the decision.

(2)

The nature of the decision appealed and/or the conditions appealed from.

(3)

A clear and complete statement of the reasons why, in the opinion of the appellant, the decision or the conditions imposed are unjustified or inappropriate.

(4)

Specific facts of the matter in sufficient detail to notify the City. The appeal shall not be stated in generalities.

(j)

*Civil penalties and enforcement.* If the City staff member, or upon appeal, the City Manager determines that the applicant is in noncompliance as described in this section, the applicant shall pay a civil penalty in the amount calculated at two (2) percent of the total project valuation. Until the civil penalty is paid, a certificate of occupancy may be withheld by the building Inspector. The City Attorney is authorized to bring a civil action in any court of competent jurisdiction to recover such civil penalties for the City

(§ 1, Ord 681, eff. May 2, 2003, as amended by §§ 1 and 2, Ord 717, eff. October 20, 2006)