

SANTA ROSA FIRE DEPARTMENT

FIRE PREVENTION BUREAU

INSPECTION CHECKLIST

July 1, 2010



COMBUSTIBLE DUST PRODUCING OPERATIONS

| | | |
|---|--------------|------------------|
| Address: | | Permit #: |
| Inspector: | Date: | Status: |
| Inspector: | Date: | Status: |
| A-Approved, R-Re-inspection Required | | |

This Checklist outlines general requirements. Information contained herein applies to typical instances and may not address all circumstances.

FILE REVIEW

- Review plans, plan notes and F.D. plan review condition letter.
- Review Permits Plus notes and fees prior to final.

CODE REFERENCES

2007 CALIFORNIA MECHANICAL CODE
2007 CALIFORNIA FIRE CODE
2007 CALIFORNIA BUILDING CODE

REQUIRED INSPECTIONS

- | | Y | N | |
|----|--------------------------|--------------------------|--|
| 1. | <input type="checkbox"/> | <input type="checkbox"/> | Combustible dust is defined as finely divided solid material which is 420 microns or less in diameter and which, when dispersed in air in the proper proportions, could be ignited by a flame, spark or other source of ignition - CFC – Ch 1302.1 |
| 2. | <input type="checkbox"/> | <input type="checkbox"/> | A permit is required to operate a grain elevator, flour starch mill, feed mill, or plant pulverizing aluminum, coal, cocoa, magnesium, spices or sugar, or other operations producing combustible dust - CFC Appendix 1 – 105.6.6 |
| 3. | <input type="checkbox"/> | <input type="checkbox"/> | Equipment or machinery located inside buildings which generates or emits combustible dust shall be provided with an approved dust-collection system and exhaust system - CFC Ch 13 and the California Mechanical Code, per CFC- Ch 19 - 1903.2 |
| 4. | <input type="checkbox"/> | <input type="checkbox"/> | Where a dust explosion hazard exists in equipment rooms, buildings or other enclosures, such areas shall be provided with explosion (deflagration) venting or an approved explosion suppression system - CFC – Ch 9 - 911 and CFC – Ch 13 – 1304 |
| 5. | <input type="checkbox"/> | <input type="checkbox"/> | Sawmills, planing mills, and other woodworking plants shall be equipped with a waste removal system that will collect and remove sawdust and shavings - CFC - Ch 13 and the California Mechanical Code. |

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- | | Y | N | |
|-----|--------------------------|--------------------------|--|
| 6. | <input type="checkbox"/> | <input type="checkbox"/> | Housekeeping. Provisions shall be made for a systematic and thorough cleaning of the entire plant at sufficient intervals to prevent the accumulation of combustible dust and spilled combustible or flammable liquids - CFC - Ch 13 – 1303, 1303.1, 1303.2. |
| 7. | <input type="checkbox"/> | <input type="checkbox"/> | Control of Ignition Sources. Smoking, carrying matches, cutting and welding equipment, and use of heating or other devices employing an open flame, and use of spark producing equipment shall be controlled in areas containing dust-producing or dust-agitating operations - CFC – Ch 19 - 1903.5 |
| 8. | <input type="checkbox"/> | <input type="checkbox"/> | Static electricity shall be prevented from accumulating on machines and equipment subject to static electricity buildup by permanent grounding and bonding wires or other approved means - CFC – Ch 19 – 1903.5.2 |
| 9. | <input type="checkbox"/> | <input type="checkbox"/> | Electrical wiring and equipment shall be in good working order and repaired or replaced were defective - CFC – Ch 6 – 605.1, Ch 19 – 1903.4 |
| 10. | <input type="checkbox"/> | <input type="checkbox"/> | Fire apparatus access roads are provided and maintained for all buildings and facilities - CFC – Ch 5 - 503.1 |
| 11. | <input type="checkbox"/> | <input type="checkbox"/> | Accumulation of dust shall be kept at a minimum inside buildings. Accumulated dust shall be collected with a vacuum or other means that will not place combustible dust into suspension in air. Forced-air or similar devices shall not be used to remove dust from surfaces - CFC Section 1303.2 |
| 12. | <input type="checkbox"/> | <input type="checkbox"/> | A plan for the exterior storage of raw and finished material shall be submitted to and approved by the Fire Prevention Bureau. The owner or operator shall develop a plan for monitoring, controlling and extinguishing spot fires, and shall submit the plan to the Fire Prevention Bureau for review and approval - CFC – Ch 19 – 1903.7 |
| 13. | <input type="checkbox"/> | <input type="checkbox"/> | The use of nationally recognized standards to address the specific hazard may be required by the Fire Prevention Bureau. |