

BUILDING STANDARDS COMMISSION

2525 Natomas Park Drive, Suite 130
Sacramento, California 95833-2936
(916) 263-0916 FAX (916) 263-0959



January 10, 2011

William F. "Bill" Murphy
Department of Fire and Rescue
City of Santa Fe Springs
11300 Greenstone Avenue
Santa Fe Springs, CA 90670-4619

Dear Mr. Murphy:

This letter is to acknowledge receipt on December 17, 2010 of the City of Santa Fe Springs submittal pertaining to Ordinance NO. 1020 with findings and is acceptable for filing. Per Health and Safety Code Section 17958.8 no modification or change to the California Building Standards Code shall become effective or operative for any purpose until the finding and the modification or change have been filed with the California Building Standards Commission (the Commission).

This letter attests only to the filing of these local modifications with the Commission, which is not authorized by law to determine the merit of the filing.

As a reminder, local modifications are specific to a particular edition of the Code. They must be readopted and filed with the Commission in order to remain in effect when the next triennial edition of the Code is published. In addition, should you receive Fire Protection District ordinances for ratification, it is required to submit the ratified ordinances to the Department of Housing and Community Development [H&SC Section 13869.7(c)], attention State Housing Law Program Manager, rather than the Commission.

If you have any questions or need any further information, you may contact me at (916) 263-0916.

Sincerely,


Jane Taylor
Senior Architect

cc: Chron
Local Filings



City of Santa Fe Springs

Department of Fire-Rescue

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November 23, 2010

California Building Standards Commission
2525 Natomas Park Drive, Suite 130
Sacramento, CA 95833

Gentlemen;

Pursuant to Section 17958.7a of the California Health and Safety Code, the attached are Facts and Findings to support the City of Santa Fe Springs Ordinance Number 1020, passed and approved on November 23rd 2010. This ordinance adopts specific amendments which are more restrictive than those sections adopted by the State of California State Building Standards Code, and the State Housing and Community Development Code, commonly referred to as Title 24 and Title 25 of the California Administrative Code.

The amendments to the 2010 California Fire Code were adopted by the City Council of the City of Santa Fe Springs on November 23rd 2010, and address those issues which will afford an adequate level of fire and life safety protection the its citizens and guests. Under provisions of Section 17958.5 of the Health and Safety Code, local amendments are necessary because of local climatic, geological or topographical conditions.

The City of Santa Fe Springs was incorporated in 1957, and encompasses an area of approximately 9 square miles, with a residential population of 17,000. 3000 businesses, including heavy industry and large chemical producers create a day time population of over 100,000. 6 public and 2 private schools are present. Santa Fe Springs is bisected by major interstate highways and roadways and numerous railroad crossings are grade level.

The following summary of general and specific factors provides substantial facts and findings in support of our amendments.

Sincerely
Alex Rodriguez, Fire Chief

William F. "Bil" Murphy
Fire Marshal

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Key justifications to the 2010 California Fire Code Amendments are detailed below, and each amendment and justification is provided in the following matrix.

A. Administrative

This amendment is necessary for administrative clarification, and does not modify Building Standard pursuant to California Health and Safety Code Section 17958, 17958.5 and 17958.7. This amendment establishes administrative standards for the effective enforcement of building standards throughout the City of Santa Fe Springs.

C. Climatic Conditions

This amendment is justified on the basis of a local climatic condition. The seasonal climatic conditions in Santa Fe Springs, and throughout Los Angeles and Orange County, during late summer and fall are influenced by onshore winds from the Pacific Ocean, and the hot, dry Santa Ana winds from the mountains to the North. During summer and fall, temperatures can exceed 100 degrees with very low humidity for a period of days. This portion of Los Angeles County has a distinct wet season, which may result in localized flooding due to El Nino type storms, limited soil absorption, and hazards from debris and mud flow. In addition, flooding from Coyote Creek and/or the San Gabriel River could severely limit emergency vehicle access. These climatic conditions creates the need for additional protection measures, so as to allow adequate response times and immediate protection of life safety and property during fire emergencies. These hazardous conditions require amendments to the Fire Code.

G. Geological Conditions

This amendment is justified on the basis of a local geological condition. Santa Fe Springs is entirely located within a Seismic Zone 4, and includes faults capable of probable 6.0 magnitudes within the Whittier Quadrangle. This area was the origination of the 1929, 1967, 1976 and the deadly 1987 Whittier Narrows Quake, which includes the Norwalk, Whittier and Puente Hills and Los Alamitos faults systems. The recently discovered Puente Hills thrust fault extends from the Coyote Hills area in Fullerton, under Santa Fe Springs, extending into downtown Los Angeles. Intense shaking from an earthquake could result in major damage to buildings, roadways and utilities in the City of Santa Fe Springs. Earthquake damage to roadways and bridges could restrict or eliminate internal vehicle circulation due to the potential for collapsing of roadway overpasses, underpasses or bridges. Earthquake damage to any of the numerous high sided concrete tilt up buildings could result in partial building collapse, severely limited access to the building. These modifications to the Fire Code are designed to better limit property damage as a result of seismic activity and to establish criteria for the emergency response following a local emergency.



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T. Topographic Conditions

This amendment is justified on the basis of a local topographic condition. The City of Santa Fe Springs is densely populated, with little separation between residential and industrial areas, in addition to being traversed by 2 interstate highways which are designated by the California Highway Patrol as approved transportation routes for hazardous materials. Interstate 5 creates a physical barrier between the North and South portions of the City, with access limited to 3 overpasses. The Interstate 5 expansion project will have a significant negative impact on fire department access for several years. The 605 Freeway creates a barrier between the East and West portions of the City, with access limited to 2 underpasses.

A large number of large commercial complexes are secured with perimeter gates, which limit emergency vehicle access. 5 railroad tracks cross the City, with a majority of grade crossings. Heavy rail traffic from the Port of Los Angeles can obstruct emergency equipment, thereby creating increased response time. Santa Fe Springs is flat, yet situated at the base of foothills and the San Gabriel Mountains. Heavy rains in the local mountains could result in flash flooding in the Coyote Creek or San Gabriel River flood control basins, which would affect emergency vehicle access and response.



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2010 California Fire Code Amendments Justification Matrix.

<u>Code Section</u>	<u>Title</u>	<u>Change</u>	<u>Justification</u>
103.1	General	Amend	A
105.3.1	Expiration	Amend	A
105.6	Required Operational Permits	Amend	A
105.6.14	Explosives	Amend	A
105.6.48	Pallet Yards	Added	A
105.7	Required construction permits	Amend	A
109.3	Violation penalties	Amend	A
113.1	Fees	Amend	A
113.6	False fire alarm response	Amend	A
202	Addition	Add	A
202	False alarm	Amend	A
202	Repair	Add	A
301.3	Hazard discontinuation	Add	A
502.1	Fire apparatus access road	Amend	G
503.2.1	Dimensions	Amend	G
503.2.9	Traffic calming features	Add	C, G, T
504.4	Access signage	Add	G
505.1	Address identification	Amend	G, T
507.4	Water supply test	Amend	A
605.3.1.1	Labeling maintenance	Amend	A
901.1.1	Aesthetics	Add	A
901.10	Fire protection equipment access	Add	C, G, T
903.2.1.1	Group A-1	Amend	C, G, T
903.2.1.3	Group A-3	Amend	C, G, T
903.2.1.4	Group A-4	Amend	C, G, T
903.2.2	Group B ambulatory	Amend	C, G, T
903.2.3	Group E	Amend	C, G, T
903.2.4	Group F-1	Amend	C, G, T
903.2.6	Group I	Amend	C, G, T
903.2.7	Group M	Amend	C, G, T
903.2.9	Group S-1	Amend	C, G, T
903.2.9.1	Repair garages	Amend	C, G, T
903.2.9.2	Bulk storage of tires	Amend	C, G, T
903.2.10	Group S-2	Amend	C, G, T
903.3.1.3	NFPA 13D sprinkler system	Amend	C, G, T



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2010 California Fire Code Amendments Justification Matrix, Continued

<u>Code Section</u>	<u>Title</u>	<u>Change</u>	<u>Justification</u>
903.6.3	Retrofit requirements	Amend	C, G, T
903.6.4	Consideration for separation walls	Add	C, G, T
905.3	Required installation	Amend	C, G, T
905.3.11	High pile storage areas	Add	C, G, T
905.4	Location of Class I standpipes	Amend	C, G, T
907.2	Where Required-new buildings	Amend	C, G, T
907.2.1	Group A	Amend	C, G, T
907.2.2	Group B	Amend	C, G, T
907.2.2.1	Group B ambulatory health care	Amend	C, G, T
907.2.2.2	Group B educational	Amend	C, G, T
907.2.3	Group E	Amend	C, G, T
907.2.4	Group F	Amend	C, G, T
907.2.7	Group M	Amend	C, G, T
907.2.1	Occupant notification	Amend	C, G, T
907.3	Where required	Amend	C, G, T
907.5.2	Manual fire alarm boxes	Amend	C, G, T
907.6.2.3	Visible alarms	Amend	C, G, T
907.7.3.1.1.1	Annunciator panel signage	Add	C, G, T
913.5.4	Pump room environment conditions	Amend	C, G, T
1910	Storage of Combustible Idle Pallets	Add	A, C, G, T
1910.1	General	Add	A, C, G, T
1910.2	Storage location	Add	A, C, G, T
1910.3	Indoor storage	Add	A, C, G, T
1910.4	Outdoor storage	Add	A, C, G, T
1910.5	Outdoor pile dimensions	Add	A, C, G, T
1910.6	Fire department access	Add	A, C, G, T
Table 1910.4.1	Required clearance	Add	A, C, G, T
Table 1910.4.2	Required clearance	Add	A, C, G, T
2702.1	Rail cars	Amend	C, G, T
2704.2.2	Secondary containment	Amend	C, G, T
3301.2	Permits	Add	A
3903.2	SADT	Add	A
4303.3	SADT	Add	A
Appendix D	Figures	Amend	A
Appendix K	Solar Photovoltaic Installation Guide	Add	A



City of Santa Fe Springs

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State of California)
County of Los Angeles)ss
City of Santa Fe Springs

I, Anita Jimenez, Deputy City Clerk of the City of Santa Fe Springs, do hereby certify that the attached document is a true and exact copy of Ordinance No. 1020 adopted by the City Council of the City of Santa Fe Springs on the 23rd day of November, 2010.



Anita Jimenez
Deputy City Clerk

12-2-10

Date

(Seal)

Section 3406.2.4.4. Insert: In all portions of the City of Santa Fe Springs which are not zoned for industrial purposes by the zoning ordinances of the City, unless completely screened from view from all public streets and is not located within any required parking or vehicle circulation area, shall have safety features such as detection and alarm systems, automatic shut off valves and other safety systems as deemed necessary by the fire code official.

Section 3506.2. Insert: In all portions of the City of Santa Fe Springs which are not zoned for industrial purposes by the zoning ordinances of the City, unless completely screened from view from all public streets and is not located within any required parking or vehicle circulation area, shall have safety features such as detection and alarm systems, automatic shut off valves and other safety systems as deemed necessary by the Fire Code Official.

Section 3804.2. Insert: In all portions of the City of Santa Fe Springs which are not zoned for industrial purposes by the zoning ordinances of the City shall be limited to 125 gallons.

Section 4. That Ordinance No. 984 of City of Santa Fe Springs entitled Adoption of California Fire Code and Other Recognized Standards, and all other ordinances or parts of ordinances in conflict herewith are hereby repealed.

Section 5. That if any section, subsection, sentence, clause or phrase of this ordinance is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this ordinance. The City Council hereby declares that it would have passed this ordinance, and each section, subsection, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses and phrases be declared unconstitutional.

Section 6. That nothing in this ordinance of in the Fire Code hereby adopted shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or existing, under any act or ordinance hereby repealed as cited in Section 4 of this ordinance; nor shall any just or legal right or remedy of any character be lost, impaired or affected by this ordinance.

Section 7. The Fire Code is amended and changed in the following respects:

Section 103.1 is amended to read as follows:

General. The department of fire prevention is established within the jurisdiction under the direction of the fire code official. The function of the department shall be the implementation, administration and enforcement of the provisions of this Code, in addition to environmental programs, including the Certified Unified Program Agency.

Section 202 is amended to read as follows:

Addition. An extension or increase in floor area or height of a building or structure.

False Alarm. In addition, the activation of any fire alarm system which results in a response by the Fire Department, and which is caused by the negligence or intentional misuse of the fire alarm system by the owner, its employees, agents or any other activation of a fire alarm system not caused by heat, smoke or fire, exclusive of a nuisance fire alarm.

Repair. The reconstruction or renewal of any part of an existing building for the purpose of maintenance.

Section 301.3 is added to read as follows:

Hazard discontinuation. The fire code official is authorized to require the discontinuance of any hazardous, offensive or nuisance condition.

Section 502.1 is amended to read as follows:

Fire apparatus access road. A road that provides fire apparatus access from a fire station to a facility, building or portion thereof. This is a general term inclusive of all other terms such as fire lane, public street, parking lot lane, access roadway, and anything that augments fire ground operations.

Section 503.2.1 is amended to read as follows:

Dimensions. Fire apparatus access roads shall have an unobstructed width of not less than 26 feet (7924 mm), exclusive of shoulders, except for approved security gates in accordance with Section 503.6, and an unobstructed vertical clearance of not less than 13 feet 6 inches (4114.8mm).

Section 503.2.9 is added to read as follows:

Traffic calming features. Traffic calming features shall be approved by the Fire Code Official.

Section 504.4 is added to read as follows:

Access signage. When required by the fire code official, exterior and interior doors shall be identified as to function of that room or area, or when the door is not functional.

Section 505.1 is amended to read as follows:

Address identification. New and existing buildings shall have approved address numbers, building numbers or approved building identification placed in a position that is plainly legible from the street, road fronting the property or alley. These numbers shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall be a minimum of 4 inches high with a minimum stroke width of .5 inches. Where access is by means of a private road and the building can not be viewed from the public way, a monument, pole or other sign or means shall be used to identify the structure.

Section 507.4 is amended to read as follows:

Water supply test. The fire code official shall perform the water supply test, and provide documentation of the test results prior to the final approval of any documents related to fire protection water supplies.

Section 907.5.2 is amended to read as follows:

Manual fire alarm boxes. Where a manual fire alarm system is required by another section of the Code, or as required by the Fire Code Official, it shall be activated by fire alarm boxes installed in accordance with Sections 907.5.2.1 through 907.5.2.5.

Section 907.6.2.3 is amended to read as follows:

Visible alarms. Visible alarm notification appliances shall be provided in accordance with Sections 906.6.2.3.1 through 907.6.2.3.5. Notification appliances shall remain activated when the fire alarm system has been silenced.

Section 907.7.3.1.1.1 is added to read as follows:

Annunciator panel signage. Approved graphic signage including building and fire alarm features shall be mounted at each annunciator panel.

Section 913.5.4 is amended to read as follows:

Pump room environmental conditions. Tests of pump room environmental conditions, including heating, natural and mechanical ventilation, natural and powered illumination shall be made to endure proper manual or automatic operation of the associated equipment.

Section 1910 is added to read as follows:

STORAGE OF COMBUSTIBLE IDLE PALLETS

Section 1910.1 is added to read as follows:

General. Storage of combustible idle pallets shall be in accordance with this section. A permit shall be obtained in accordance with Section 105.6.

Section 1910.2 is added to read as follows:

Storage location. Pallets shall be stored outside or in a separate building designed for pallet storage, unless stored indoors in accordance with 1910.3.

Section 1910.3 is added to read as follows:

Indoor storage. Pallets stored in a building shall be in accordance with high hazard commodity high pile combustible storage per Chapter 23.

Section 1910.4 is added to read as follows:

Outdoor storage. Pallets stored outside shall be stored in accordance with Table 1910.4.1 and Table 1910.4.2, and Sections 1910.5 and 1910.6.

Section 1910.5 is added to read as follows:

Outdoor pile dimensions. Pallet stacks shall not exceed 15 feet (4.6m) in height nor shall cover an area greater than 500 square feet (46.5m²). Pallet stacks shall be arranged to form stable piles. Piles shall be separated by a minimum of 8 feet (2.5m). Piles shall be a minimum of 10 feet (3.1m) from property lines.

Section 1910.6 is added to read as follows:

Fire department access. Fire department access roadways shall be maintained within 150' of all pallet storage.

Section 3903.3 is added to read as follows;

SADT. Areas with organic peroxides with self-accelerating decomposition temperatures (SADT) less than 125°F shall be provided with supervised temperature controls and alarms. Stand-by power shall be provided for control systems.

Section 4303.3 is added to read as follows:

SADT. Areas with unstable reactive materials with self-accelerating decomposition temperatures (SADT) less than 125°F shall be provided with supervised temperature controls and alarms. Stand-by power shall be provided for control systems.

Appendix D is amended to read as follows:

Delete Figure D103.1.

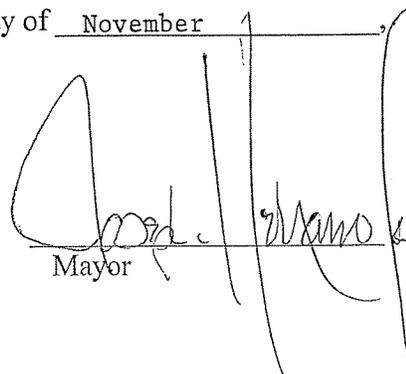
Delete Table D103.4.

Appendix K is added to read as follows:

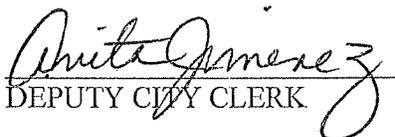
Solar Photovoltaic Installation Guidelines. Photovoltaic installations shall be in accordance with guidelines as published by the Office of the State Fire Marshal.

PASSED, APPROVED and ADOPTED THIS 23 day of November,
2010, by the following called vote:

AYES: 4
NOES: 0
ABSENT: 1


Mayor

ATTEST:


DEPUTY CITY CLERK