Memorandum

Date:        February 13, 2009

To:          Dr. Eiba Garcia, Chair
             and Members of the Public Safety Committee

Subject:     Inspection & Life Safety Education Division

The Public Safety Committee will be briefed on the Inspection & Life Safety Education Division on Tuesday, February 17, 2009.

Ryan S. Evans
First Assistant City Manager

Attachment

"Dallas, the City that works: Diverse, Vibrant and Progressive"
The purpose of the briefing is to provide an overview of the Inspection and Life Safety Education (I&LSE) Division to highlight:

- Organization
- Resources
- Inspection Activities
- Education Activities
- Accomplishments
Life Safety & Risk Reduction Bureau

- Inspection & Life Safety Education Division
- Fire Cause & Arson Investigation Division
## Resources

<table>
<thead>
<tr>
<th></th>
<th>FY 07-08 Actual</th>
<th>FY 08-09 Budgeted</th>
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<tbody>
<tr>
<td>Uniform FTE’s</td>
<td>78.6</td>
<td>87.6</td>
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<tr>
<td>Budget</td>
<td>$6,986,475</td>
<td>$8,231,203</td>
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<tr>
<td>Salary Reimbursements</td>
<td>$1,676,371</td>
<td>$1,798,754</td>
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<tr>
<td>Overtime/Fire Watch</td>
<td>$783,627</td>
<td>$550,000</td>
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<tr>
<td>Reimbursements</td>
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<tr>
<td>Re-Inspection Fees</td>
<td>$137,389</td>
<td>$135,500</td>
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<td>Fire Permit Fees</td>
<td>$425,345</td>
<td>$320,000</td>
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</table>
FY 07-08 Activity Totals

- Inspections: 63,647
- Reinspections: 15,707
  - Reinspection fees issued: 1,759
    - 1\textsuperscript{st} reinspection: no fee
    - 2\textsuperscript{nd} reinspection: $80 fee
    - 3\textsuperscript{rd} reinspection: $105 fee
    - 4\textsuperscript{th} and subsequent reinspections: $105 fee plus citations
- Hazards found: 62,202
- Hazards corrected: 56,246
- Citations issued: 863
- Permits issued: 3,012
Inspections and Operations Unite

- Inspectors assist Operations with inspections/complaints
- Field Lieutenants direct liaison with the fire stations in an effort to improve communication as noted in The Berkshire Study
- Collaboration between Strategic Customer Service Area Coordinators and Field Lieutenants
- A team of inspectors will operate out of a field office. The Berkshire Study recommended inspection activities to be integrated with fire suppression and EMS activities.
  - Station 40 December 2008
  - Station 42 May 2009
Dallas Fire-Rescue and Dallas Police Department collaborate with Strategic Customer Service Coordinators

- Central (1) Pamè La Ashford
- Northeast (2) Staci Thetford
- Southeast (3) Corey Morgan
- Southwest (4) Kevin Acosta
- Northwest (5) Maibel Medina
- North Central (6) Mick McCord
- South Central (7) Katina Johnson
Occupancy Inspection Schedule
(Development of Inspection Schedule Recommended by Berkshire Study)

- Immediate:
  - Complaints

- As Needed:
  - New construction (fire alarm and sprinkler tests)
  - General requests/smoke detectors/education programs
  - Special events
  - Trade shows
Occupancy Inspection Schedule (Cont.)

- **Annual:**
  - High rise
  - Boarding homes/group facilities
  - State licensed facilities
  - Hospitals
  - Nursing homes
  - Public assembly occupancies
  - Hotels/motels
  - Schools
  - Permitted occupancies
  - Haz/Mat occupancies
  - Airports
  - Malls (Core annually & special systems)
Occupancy Inspection Schedule (Cont.)

- **Two Year Cycle:**
  - Apartments/Condominiums (low rise) – Core and public areas (10% of apartments unless a problem then 90%-100%)
  - Warehouses
  - Manufacturing

- **Three Year Cycle:**
  - General business
  - Low rise buildings
  - Strip shopping centers
  - Malls – tenant spaces
  - Emergency Operations survey inspection responsibilities
Record Management Program

- Firebase is a comprehensive database for 54,000 businesses in the City of Dallas
- Berkshire Recommendation: Establish accountability and measure performance
- Briefed to Public Safety Committee by Deputy Chief L.P. Jones on November 3, 2007 at 12 p.m.
<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
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<tr>
<td>Total Businesses</td>
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<tr>
<td>High Rise</td>
<td>467</td>
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<tr>
<td>Tier II – Haz/Mat</td>
<td>587</td>
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<tr>
<td>Multi Family Properties</td>
<td>3,876</td>
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<tr>
<td>Hospitals/Nursing Homes</td>
<td>95</td>
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<tr>
<td>Schools</td>
<td>534</td>
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<tr>
<td>Hotels/Motels</td>
<td>250</td>
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<tr>
<td>Public Assembly</td>
<td>835</td>
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<tr>
<td>State Licensed Child Care Facilities</td>
<td>363</td>
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Field Inspections

- Inspect life safety systems
- Inspect for fire code violations
- Investigate citizen complaints
- Maintain fire lane compliance
- Check for appropriate certificate of occupancy
- Issue fire permits when applicable
Field Inspections include:

- General business
- State licensed facilities:
  - Daycares
  - Assisted living facilities
- Hotels and motels
- Schools:
  - Public
  - Private
- Public assemblies:
  - Night clubs
  - Bars
  - Restaurants
  - Theatres
- Multi-family dwellings
Multi-Family Dwellings

- 3,876 multi-family properties
- 38,088 buildings
- 257,514 units
- Check fire lanes and gates
- Check fire department access

- Test smoke alarms
- Investigate complaints
- Approval of chemical storage
- Issue permits for hot work
Task Force

- Created to emphasize inspecting high risk occupancies
- Goal is to inspect these facilities annually
- Task forces created:
  - Hazardous Materials
  - High Rise
  - New Construction (already in existence)
Haz-Mat and Airports

- Inspect hazardous materials facilities
- Inspect aboveground/underground flammable liquid storage tanks
- Inspect spray paint booths
- Issue hazardous materials permits
Hazardous Materials Statistics

- 587 Tier II reported facilities in the City of Dallas
- Tier II forms are used by facilities to report their hazardous chemical inventory to the local fire department
- 7 Inspectors assigned to Hazardous Materials Team
- Creation of Task Force emphasizes inspection in this area
- Appropriate permits will be issued during inspections
High Rise Buildings

- 467 high rise buildings
- Goal is to inspect annually
- Review fire safety plans and conduct fire drills
- Inspect and test life safety systems
High Rise Statistics

- During FY07-08, approximately 1/3 (178 of 467) of all high rise buildings were inspected.

- Two additional Inspectors have been added to High Rise Team to make a total of 6 Inspectors.

- Increased staffing will provide for inspection of ½ (234 of 467) of all high rise buildings.
New Construction

- Check for fire department access
- Testing of Electronic Egress devices
- Testing of emergency generators

- Testing of life safety systems:
  - Automatic sprinkler
  - Fire alarm
  - Elevators
Tradeshows, Conventions and Special Events

- Check emergency exits
- Check for overcrowding
- Inspect life safety systems
- Monitor Pyrotechnic and LPG displays
Hospitals and Nursing Homes

- Approximately 95 facilities
- 1 Inspector assigned to inspect these facilities

- Inspect annually
- Investigate complaints
- Check life safety systems
- Issue appropriate permits
Smoke Alarm Installations

- Free to single family and duplex homes in the City of Dallas
- Smoke alarms have tamper proof 10 year lithium batteries
- 7,767 smoke alarms installed in FY 07-08
National Fire Statistics*

- In 2007, there were 1,557,500 fires reported in the U.S.; of these 530,500 were structure fires.

- In 2007, fire took the lives of 3,430 civilians; an average of one fire death every 2 hours and 33 minutes.

- An estimated 890 lives could be saved each year if all homes had working smoke alarms.

- You have a 50% greater chance of surviving a home fire if you have a working smoke alarm.

*As per the National Fire Protection Association*
Dallas Fire Statistics

- In FY 07-08, there were 2,344 total reported fires; of these 1,392 were structure fires.

- Top fire death causes were electrical, combustibles too close to heat source and careless smoking.

- Fire deaths are down from previous years:
  - FY 07-08 – 11 fire deaths
  - FY 06-07 – 12 fire deaths
  - FY 05-06 – 12 fire deaths
  - FY 04-05 – 17 fire deaths
Dallas Fire-Related Deaths vs. Smoke Detector Installations

Fiscal Year

Installs
Deaths
Public Education
Education Is The Key To Prevention

- Citizens learn life saving skills using an all hazards approach
- Lessons taught:
  - fire/burn safety
  - pedestrian/bicycle safety
  - poison prevention
  - water safety
  - fire arms injury prevention
  - falls prevention
  - strangulation/choking prevention
- Lessons target seniors and children
- Partnerships include Leadership Dallas, Center for Disease Control, Injury Prevention Center and The Meadows Foundation
The Fire Safety House

- Children under age 5 are 1 ½ times as likely to die in a home fire as the average person.

- In FY07-08, the Fire Safety House was used to educate over 12,500 children on what to do in case of fire.

- Children are taught to crawl low under smoke, have two ways out from their bedroom, meet their family at their meeting place and to call 9-1-1.
The Sparky Puppet Show is an interactive program used to teach the young child about the dangers of fire.

- Children learn about calling 9-1-1 for emergencies only.
- Sparky reminds children not to play with matches or lighters.
- In FY 07-08, Sparky visited over 149 schools/daycares and educated 10,000 children.
Fire Prevention Month 2008

- The importance of fire safety is emphasized during October

- Programs conducted: 62 children and 57 adult fire safety programs plus 24 office fire safety programs

- In total, Dallas Fire-Rescue educated 29,603 citizens during October

- Imagine how many lives were saved!
Education Totals for FY07-08

- Education Programs:
  - Children’s programs: 410
  - Community based programs: 418
  - High rise fire safety programs: 47
  - Fire extinguisher training for the workplace: 130

Total Citizens Educated: 185,055
Upcoming Challenges

- Increased inspections of hazardous materials locations are uncovering significant violations - some of which may require legal action to remediate.
- Inspections are finding more businesses operating without a Certificate of Occupancy (CO) or an inappropriate Certificate of Occupancy (i.e., CO is for office/showroom, but company is actually manufacturing products).
- Inspections are finding more businesses operating without required permits.
- More resources are being requested by citizens and Council for public events and education programs which reduces time available for inspections.
I&LSE Accomplishments For FY07-08

- Piloted an all hazards injury prevention program (Risk Watch) in three DISD schools for 2nd graders
- Developed and implemented “Fire Safety in a Box”, a new public education program taught by Firefighters during station tours
- Completed reorganization of the division to align with 7 new service areas as recommended by Berkshire
- Developed and conducted an in-house Hazardous Materials training course for all Senior Fire Prevention Officers
- Added 7 Fire Prevention Officers and 2 Lieutenants as recommended by Berkshire
Worked with Operations and CIS to develop and implement Phase 1 and 2 of FIREBASE

Received a $115,000 grant from Meadows Foundation for smoke alarms and educational supplies

Installed 7,767 smoke alarms in 2,671 homes, reducing fire fatalities from 12 to 11 fire deaths

Maintained a national presence by participating in the Vision 20/20 process, PARADE, IAFC-Fire and Life Safety Section, and Joint Fire Services Review

Worked at the State level to help pass the Fire Safe Cigarette legislation
Questions?