

2004 Facilities & Asset Management Conference

RECLAMATION



HISTORY

Life Safety Code (LSC)

1896 National Fire Protection Association (NFPA)

1913 NFPA appoints Committee “Safety to Life”

1927 1st edition of “Building Exits Code” (updated 1946)

1963 Code titled “Code for Safety to Life”

1967 Code three-year revision schedule

1977 Addressed as the “Life Safety Code (101)”

2003 2000 edition was superceded by new edition

Life Safety Code (LSC)

LSC addresses those construction, protection, & occupancy features necessary to minimize danger to life (primarily from fire, but includes smoke, fumes, threats, or panic)

Provides **minimum** requirements, with due regard to function, for design, operation, & maintenance of buildings & structures for safety to life

Life Safety Code (LSC)

LSC interfaces with numerous other NFPA & building codes.

Department Manual 485, Chapter 19, Section 19.3, E.

Life Safety Code Program (LSCP)

- With passage of the OSHA Act of 1970, LSC now covered by law (29 CFR 1910)

Through the 1980s site inspections by OSHA identified numerous LSC deficiencies

1992 OSHA again conducted inspections at a number of Reclamation facilities

Willful notices of violation were issued for previously identified deficiencies (most serious notification)

Life Safety Code Program (LSCP)

Secretary of Labor addressed this issue to the Secretary of Interior for corrective action

1993 Commissioner issued a **Safety Policy**, specifically addressing LSC actions

1993 an assessment team compiled information from reviews at 119 facilities, estimated retrofit costs, over \$29 million

Life Safety Code Program (LSCP)

\$27.6 million was identified in FY96-00 budget requests for retrofits, budget plan was viewed by OSHA as our corrective action plan

1997 Commissioner's Program Analysis Office initiated an audit of LSC activities. Audit identified that the assessment team had not be comprehensive in its review (1359 buildings & structures are O&M by Reclamation, over 3000+ buildings & structures classified as federal property)

Life Safety Code Program (LSCP)

Aware that a comprehensive effort was necessary to identify & retrofit facilities for LSC deficiencies, the Commissioner's Office established the LSCP to track the accomplishment of this work

February 1997 Regional LSCP coordinators were identified by Regional Directors

August 1997 Regional coordinators meet with the LSCP coordinator

Life Safety Code Program (LSCP)

Coordinators requested the following actions:

1. Inventory of facilities (FIRM)
2. Standardized review process (FDRM)
3. Establish a methodology for achieving & documenting accomplishments (ADMS/LSCS)

Life Safety Code Program (LSCP)

Utilizing the capabilities of ADMS the Life Safety Code System (LSCS) was developed, along with portions of the FDRM

Business Occupancy

Industrial Occupancy

Storage Occupancy

Life Safety Code System

LSCS is the management tool for Life Safety Code Activities

Condition assessments/evaluations of buildings & structures (FDRM)

Prepares Action Plans

Fiscal Management tool/budget preparation & tracking

Design reference tool for design Professionals

Life Safety Code System

*Utilized for reporting Deferred Maintenance & FCAS
(SFFAS No. 6 & 14)*

*Part of FCI (Facilities Condition Index = DM over
Current Replacement Value)*

*Meeting GPRA (Government Performance & Results
Act) goals*

Budget notebook needs – BRC Section 10d

Life Safety Code Program

□ *Basic Requirements*

- *What training is needed*
- *Assessments*
- *LSCS usage*
- *Addressing nonphysical LSC issues*
- *Employee/Management responsibilities & liabilities*

Life Safety Code Program

- Questions?

- AHJ

Life Safety Code Program

□ *Presenter: Bruce Harvey, Reclamation*

- *Education: Degrees in Engineering, Operational/Resource Management, & MPA*
- *35 years federal water/power facilities O&M*
- *Nation's largest wholesale water supplier with dams, pumping plants, & water conveyance systems*
- *Second largest producer of hydroelectric power/10th largest electric utility in USA*

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