January 12, 2009

To: Distribution

2008 FLOODPLAIN MANAGEMENT PLAN IMPLEMENTATION PROGRESS REPORT DISTRIBUTION

Dear Floodplain Management Plan Steering Committee Member and Stakeholder:

Enclosed is the 2008 Floodplain Management Plan (FMP) Implementation Progress Report for the City of Los Angeles. This report describes the progress and latest issues affecting the Floodplain Management Plan and floodplains of the City. This report is prepared annually as a requirement of the National Flood Insurance Program (NFIP) of which the City of Los Angeles is a participant. This final FMP Progress Report incorporates comments by the FMP Steering Committee including citizen and City staff committee members. This copy of the Floodplain Management Plan Implementation Progress Report is provided for your reference and use.

If you have any questions, contact Romano Galassi at 213-847-0405. Thank you.

Sincerely,

Michael P. Brown, Division Engineer
Street and Stormwater Division
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2008 FLOODPLAIN MANAGEMENT PLAN
IMPLEMENTATION PROGRESS REPORT

PURPOSE
The City’s Floodplain Management Plan (FMP) was first adopted in November 2001, by the City Council. This document is the Implementation Progress Report for the year 2008.

1. PLANNING REGULATIONS

FMP Update

The City is continuing its effort in preparing the annual implementation progress report and annually recommends additional flood mitigation programs until the 2009 FMP update is adopted by the City Council.

The 2009 FMP update is currently being prepared. The City has hired a public relations consultant for the public outreach portion of the report. The main portion of the report is being prepared by the City’s staff and is scheduled to be completed by October 2009. The purpose of this progress report for the 2001 FMP is to describe projects and activities taken by various agencies and organizations to reduce or mitigate flood losses. Many of the activities described in the 2008 progress report are ongoing or have been completed as scheduled.

Los Angeles Local Hazard Mitigation Plan (LHMP)

The City’s Emergency Management Department (EMD) is continuing its effort to maintain its eligibility to participate in the Hazard Mitigation Grant Program by annually updating the LHMP. This is part of the requirements to maintain the current Community Rating System (CRS) level. The latest copy is available on line at:

http://lacity.org/emd/LHMP.htm

2. REPETITIVE LOSS PROPERTIES

There has been no new Repetitive Loss Properties (RLP) damaged by flooding for the Fiscal Year (FY) 2007 – 2008 (July 1, 2007 – June 31, 2008). Therefore, the total number of RLP’s remains at 154 with 130 properties classified as being active.
3. CURRENT EVENTS

Rainfall

Similar to FY 2006-2007 which was the driest rainy season since 1978 with only 3.21 inches of rain (11.87 inches below the average), the drought condition persisted into the rainy season of FY 2007-2008 which has produced relatively little precipitation with a total rainfall of 11.29 inches (3.75 inches below average).

This year has been a typical La Nina for California. More frequently than not, La Nina brings Southern California a very dry winter, and Northern California a rainy first half, but drier second half of winter. La Nina conditions have been in place since last year, and are expected to continue through spring of 2008, possibly longer. This La Nina is the driest in 8 years, and in the top 1/3rd of La Ninas driest seasons. The forecasts are that it will continue at least at moderate strength through April, May and June. Indications are that the La Nina season has peaked and that the below average Sea Surface Temperatures are waning in the far eastern Pacific. For the most recent La Nina forecasts, conditions, questions and answers, go to:

http://www.cpc.ncep.noaa.gov/products/precip/CWlink/MJO/ens0.shtml

2007 Community Assistance Visit (CAV)

In 2007, the California Department of Water Resources (DWR) performed a Community Assisted Visit (CAV) on the City of Los Angeles’ National Flood Insurance Program (NFIP). The purpose of the CAV was to inspect the City’s NFIP to ensure it was pursuing activities to promote the NFIP. The 2007 CAV Report indicated that the City’s Bureau of Engineering (BOE) is to lead the floodplain study for two locations in the Sun Valley Watershed Area and file a Letter of Map Revision (LOMR) application with FEMA if necessary. BOE has obtained an expert consultant to assist in floodplain analysis using the
Watershed Modeling System software for the entire Sun Valley Watershed area. The CAV also requires the City to work on revising the ordinance which is the Specific Plan for the Management of Flood Hazards. The revision to the ordinance shall apply to all public and private development and is intended to provide for the management and regulatory control of floodplain management established by City of Los Angeles Ordinance No. 154,405 and amended by Ordinance No. 163,913 and Ordinance No. 172,081. It has been more than 10 years since the last time the plan for the Management of Flood Hazards was revised.

On September 29, 2008, BOE requested an additional 6 months extension from California Department of Water Resources to complete both tasks for floodplain delineation study and ordinance revision.

Recent Flood Disasters

Despite various attempts and efforts through different agencies worldwide, every year several hundred flooding disasters still occur throughout the United States and the world. Even though the United States is considered to be amongst the leader in flood control and mitigation, mother-nature still has the upper hand. However, the number of lives lost due to flooding in the United States is relatively low when compared to other nations. Most of the major flooding problems occurred in the gulf and southeastern states. These have resulted in a large displacement of the population, loss of lives, and economic hardship. The average annual U.S. flood losses in the past 10 years (1994-2004) were more than $2.4 billion. There were several notable flooding disasters during FY 2007-2008 which continue to put the spotlight on the need for better floodplain management.

In comparisons to other parts of the country, especially the Gulf States where hurricanes are annual events, Southern California is blessed with a hot and dry climate. However, this hot and dry climate historically has given rise to the so called, “fire season” which is the cause for destroying vegetation and landscape along the hillside that helps prevent flooding and mudslides during the rainy season. The FY 2007-2008 fire season in Southern California started late in the year.

New Developments

I. The Federal Emergency Management Agency (FEMA) CRS Program Guidance includes several new developments concerning flood mitigation assistance. FEMA’s priority is to fund flood mitigation activities that reduce or eliminate the long-term risk of flood damage to buildings, manufactured homes and other structures insured under the National Flood Insurance Program (NFIP). More information is available at:
II. Effective May 1, 2008, FEMA changed the way CRS premium discounts are applied throughout the United States: Flood insurance policies for buildings that are rated as having the lowest floor 1 foot or more below the base flood elevation will no longer be eligible for the community’s CRS discount. This policy is being implemented to encourage the residents to do more to prevent and reduce flood losses. More information in protecting your house can be found at:

http://www.fema.gov/library/viewRecord.do?id=3297, or

FEMA’s library under Publication 312, Homeowner’s Guide to Retrofitting

III. On September 27, 2008, FEMA completed the update/modernization of the Flood Insurance Rate Map (FIRM) for Los Angeles County, which is now called the Digital Flood Insurance Rate Map (DFIRM). The DFIRM Database product is to be used with Geographic Information Systems (GIS) software. This type of software allows users to view and analyze mapping information using specialized data. The Standard DFIRM Database is designed to provide the user with the ability to determine, for a particular location, the flood zone, base flood elevation and the floodway status. It also has NFIP community information, map panel information, cross section and hydraulic structure information, Coastal Barrier Resource System information (if applicable), and base map information like road, stream, and public land survey data. More details on the DFIRM Database and a detailed database specification for the product are available at:

http://www.fema.gov/plan/prevent/fhm/dfm_dfdb.shtm

IV. The Los Angeles City Council adopted Ordinance No. 179,324 (effective January 1, 2008) which amended Article 1 of Chapter IX of the Los Angeles Municipal Code and adopted, by reference, the 2007 edition of the California Building Code (CBC), which is a fully integrated code based on the 2006 International Building Code (IBC), and hereinafter shall be called the 2008 edition of the City of Los Angeles Building Code. Most of the NFIP provisions are contained in the IBC. The higher building standard, contained in the IBC, requires far better construction materials and sturdier framing for winds up to 140 mph.

V. The Los Angeles City Council passed Ordinance No. 180,063, amending Subsection B of Section 19.07, and adding new Subsections C and D to the Los Angeles Municipal Code to revise the fee schedule for the review of building development in the floodplain. Two documents, Elevation Certificate (EC) and Floodproofing Material Certificate (FC), are also included per the
NFIP Requirements and paid through additional fee requirements per Los Angeles City Ordinance.

4. CONTACTS

Ordinance No. 172,081 indicated that the Flood Hazard Mitigation coordinator for the City of Los Angeles is the City Engineer, Gary Lee Moore. The tasks associated with the NFIP are assigned to the Stormwater Section, Street Improvement and Stormwater Division of the BOE. Any inquiries or comments can be directed to phone number 213-485-4820 or by email at eng.nfip@lacity.org.

5. FMP IMPLEMENTATION PROGRESS

This chapter reports the progress of the programs identified to meet the Goals, Objectives, and Policies of the FMP adopted in 2001 and subsequent additional programs. These are the original 63 recommended programs (P-1 through P-63) plus nine additional programs recommended by the FMP Committee in 2004 (RP-1 through RP-9), three additional programs recommended in 2005 and two additional program recommendations in 2007.

All programs are listed by implementation categories. These implementation categories are:

- Completed and/or On-Going (Regularly)
- In-Progress but not Yet Completed
- Not Yet Scheduled
- Cancelled
- Deferred

Completed and/or On-Going Projects (Regularly)

RP-1 Develop an official Mandeville Canyon flood risk map and recommend the City Council to include this map into the Local Flood Hazard Map.

Cost: Work Performed by Existing Staff
Schedule: Completed
Policy Addressed: 2.a.03, 2.a.08, 2.a.12, 2.b.01, 2.b.04, 2.c.01, 2.c.03, 2.d.02, 2.d.03, 2.d.04, 2.d.05
Responsible Agency: Department of Public Works (DPW)
Financing: Stormwater Pollution Abatement Fund, Grants
RP-5 Modify the drainage complaint database to make complementary to identifying flood risks and make it compatible with the assessment methodology adopted in the FMP.

Cost: Work Performed by Existing Staff
Schedule: Completed
Policy Addressed: 2.a.06, 2.a.11, 2.c.05, 2.c.07, 3.a.01, 3.a.02, 3.a.03
Responsible Agency: DPW, BOE
Financing: Stormwater Pollution Abatement Fund

RP-6 Develop evacuation plans for those areas potentially affected by a Tsunami event according to Office of Emergency Services maps and the City’s General Plan and forward these evacuation plans to other appropriate agencies for coordination (i.e. Police, Sheriff, Los Angeles County, etc.).

Cost: Work Performed by Existing Staff
Schedule: Completed
Policy Addressed: 1.a.04
Responsible Agency: EMD; Fire Department (FD)
Financing: General Funds; Possible grants

RP-7 Identify high-density-vulnerable /low mobility population and sources of public safety hazards caused by a Tsunami event and develop evacuation/response plans.

Cost: Work Performed by Existing Staff
Schedule: Completed
Policy Addressed: 1.a.04
Responsible Agency: EMD; FD
Financing: General Funds; Possible grants

RP-11 Develop a City-wide Watercourse Permit Manual

Cost: Work Performed by Existing Staff
Schedule: Completed
Policy Addressed: 2.c.01, 2.d.04
Responsible Agency: DPW, BOE
Financing: General Funds; Possible grants
RP-13 Implement the 2007 Griffith Park Five Recovery Plan

Cost: $5,500,000 (estimate)
Schedule: Substantially Completed, full restoration of vegetation by July 2010
Policy Addressed: 3.e.02
Responsible Agency: Department of Recreation & Parks (DRP)
Financing: General funds; Possible grants

RP-14 Develop the City of Los Angeles National Flood Insurance Program Website

Cost: Work Performed by Existing Staff
Schedule: Completed
Policy Addressed: 2.a.04
Responsible Agency: DPW, BOE
Financing: General funds; Pollution Abatement Fund

P-05 Provide dam inundation maps to the public.

Cost: Work Performed by Existing Staff
Schedule: Completed
Policy Addressed: 1.a.03
Responsible Agency: DPW, BOE
Financing: Stormwater Pollution Abatement Fund

P-08 Continue to dispatch reservoir inspection and damage teams following natural disasters to inspect and report the condition of facilities.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 1.a.03
Responsible Agency: Department of Water and Power (DWP)
Financing: DWP

P-09 Continue to routinely monitor the existing structural condition of City-owned water storage facilities.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
P-10 Identify a flood warning system for properties located downstream of City owned water tanks.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 1.a.04
Responsible Agency: DWP
Financing: DWP

P-12 Continue implementing the City’s Annual Emergency Preparedness Fair.

Cost: Work Being Performed by Existing Staff
Schedule: Annual; On Going
Policy Addressed: 2.a.04, 2.a.05, 2.a.07
Responsible Agency: EMD
Financing: General Fund

P-13 Maintain the City web page to provide emergency preparedness information to the general public and media.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 2.a.04, 2.a.05, 2.a.07
Responsible Agency: EMD
Financing: General Fund

P-14 Distribute information regarding flood prevention and flood insurance at emergency operations and emergency preparedness events.

Cost: Work Being Performed by Existing Staff
Schedule: Annual; On Going
Policy Addressed: 2.c.03
Responsible Agency: EMD
Financing: General Fund
P-15  Maintain the City’s Emergency Operations Master Plan and Procedures.

Cost:  Work Being Performed by Existing Staff
Schedule:  On Going
Policy Addressed:  2.a.04, 2.a.05, 2.a.07, 2.c.04
Responsible Agency:  EMD
Financing:  General Fund

P-16  Make sand and sand bags available to flood risk property owners during the wet season, provide notifications of the availability of these materials, and track the distribution of the materials.

Cost:  Work Being Performed by Existing Staff
Schedule:  Annual; On Going
Policy Addressed:  2.a.04, 2.b.01, 2.b.04
Responsible Agency:  FD; DPW, BOE, and Bureau of Street Services (BSS)
Financing:  General Fund; Stormwater Pollution Abatement Fund

P-17  Establish and maintain a technically based prioritization methodology for use in developing the Stormwater capital improvement program.

Cost:  Work Performed by Existing Staff
Schedule:  Completed
Policy Addressed:  2.a.06, 2.a.09, 2.a.11, 2.c.05, 2.c.07, 3.a.01, 3.a.02, 3.a.03
Responsible Agency:  DPW, BOE and Bureau of Sanitation (BOS)
Financing:  Stormwater Pollution Abatement Fund

P-19  Maintain regular contact with surrounding cities, the Los Angeles County Department of Public Works, State and Federal agencies regarding flood hazard mitigation and the National Flood Insurance Program.

Cost:  Work Being Performed by Existing Staff
Schedule:  On Going
Policy Addressed:  1.a.01, 2.a.09, 2.b.02, 2.b.06, 3.d.01
Responsible Agency:  DPW, BOE; DRP
Financing:  Stormwater Pollution Abatement Fund; General Fund
P-20 Participate in organizations such as the Association of State Floodplain Managers and the National Association of Flood and Stormwater Management Agencies to network with other agencies and remain current in the field of floodplain management.

Cost: Work Being Performed by Existing Staff  
Schedule: On Going  
Policy Addressed: 1.a.01, 2.a.03, 2.a.04, 2.a.05, 2.a.07, 2.b.02, 2.b.05, 2.b.06, 2.c.01  
Responsible Agency: DPW, BOE and BOS  
Financing: Stormwater Pollution Abatement Fund

P-22 Conduct an annual National Flood Insurance Program seminar for City agencies responsible for applying and enforcing floodplain management regulations.

Cost: Work Being Performed by Existing Staff  
Schedule: Annual; On Going  
Policy Addressed: 2.a.01, 2.a.08, 2.b.02, 2.b.04  
Responsible Agency: Department of Building and Safety (DBS); DPW, BOE  
Financing: Stormwater Pollution Abatement Fund

P-23 Based on the annual National Flood Insurance Program seminar, update operational procedures and training materials for staff that apply and enforce floodplain management regulations and provide annual training.

Cost: Work Being Performed by Existing Staff  
Schedule: On Going  
Policy Addressed: 1.a.02, 2.a.01, 2.a.02, 2.a.05, 2.a.08, 2.a.10, 2.b.02, 2.b.05, 2.c.06  
Responsible Agency: DBS; Department of City Planning (DCP); Harbor Department (HB)  
Financing: General Fund

P-24 Conduct a stormwater facilities condition assessment based on the age of the Stormwater infrastructure. No physical inspections will be performed as part of this effort.

Cost: Work Performed by Existing Staff  
Schedule: Completed
Policy Addressed: 2.a.06, 2.a.11, 2.c.05, 2.c.07, 3.a.01, 3.a.02, 3.a.03
Responsible Agency: DPW, BOE and BOS
Financing: Stormwater Pollution Abatement Fund

P-25 Develop Geographic Information System mapping and modeling capability to support the Stormwater facilities condition assessment program.

Cost: Work Performed by Existing Staff
Schedule: Completed
Policy Addressed: 2.a.06, 2.a.11, 2.c.05, 2.c.07, 3.a.01, 3.a.02, 3.a.03
Responsible Agency: DPW, BOE and BOS
Financing: Stormwater Pollution Abatement Fund

P-26 Continue to maintain precise survey benchmarks throughout the City.

Cost: Work Being Performed by Existing Staff
Schedule: On going
Policy Addressed: 2.b.02, 2.b.05
Responsible Agency: DPW, BOE
Financing: General Fund

P-27 Develop and maintain a Citywide list of priority maintenance-related flood problem sites.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 2.b.01, 2.b.02, 3.a.01, 3.a.02, 3.a.03, 3.b.01
Responsible Agency: DPW, BOE and BOS
Financing: Stormwater Pollution Abatement Fund

P-28 Based on P-27, conduct necessary inspection and maintenance at priority maintenance-related flood problem sites prior to the wet season and after significant storms.

Cost: Work Being Performed by Existing Staff
Schedule: Annual; On Going
Policy Addressed: 2.b.01, 2.b.02, 3.a.01, 3.a.02, 3.a.03, 3.b.01
Responsible Agency: DPW, BOS
Financing: Stormwater Pollution Abatement Fund

P-29 Provide public education about maintaining the stormwater system free of debris and reporting violations.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 2.b.02, 3.a.01, 3.b.01, 3.c.02
Responsible Agency: DPW, BOE and BOS
Financing: Stormwater Pollution Abatement Fund

P-30 Post “No Dumping” signs at points of entry to the stormwater system.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 2.b.02, 3.a.01, 3.b.01, 3.c.02
Responsible Agency: DPW, BOS; Los Angeles County Department of Public Works
Financing: Stormwater Pollution Abatement Fund (City); Benefit Assessment for Flood Control (County)

P-32 Revise the Map of Hillside Areas (Bureau of Engineering Basic Grid Map A-13372) to more accurately reflect areas subject to hillside regulations based on current data and technology.

Cost: Work Performed by Existing Staff
Schedule: Completed
Policy Addressed: 2.a.12, 2.b.01, 2.b.04
Responsible Agency: DPW, BOE and BOS; DBS; DCP
Financing: Stormwater Pollution Abatement Fund; General Fund

P-33 Develop a map of known landslide and mudflow areas.

Cost: Work Performed by Existing Staff
Schedule: Completed
Policy Addressed: 2.a.12, 2.b.01, 2.b.04
Responsible Agency: DPW, BOE; DBS
Financing: General Funds; Stormwater Pollution Abatement Fund
P-34 Evaluate current development regulations, including the grading ordinance, to determine whether the standards provide sufficient protection for adjacent (downstream or downslope) development.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 2.a.02, 2.c.01
Responsible Agency: DPW, BOE; DBS; DCP
Financing: General Fund; Stormwater Pollution Abatement Fund

P-35 Establish a policy for identifying significant (substantial) improvement projects that is consistent with Federal Emergency Management Agency requirements.

Cost: Work Performed by Existing Staff
Schedule: Completed
Policy Addressed: 2.a.01, 2.a.02, 2.b.02
Responsible Agency: Department of Building and Safety
Financing: General Funds

P-36 Verify, through the plan check process, that new development complies with the regulations in the City's Specific Plan for the Management of Flood Hazards, Ordinance No. 172,081, including freeboard requirements on new construction and substantial improvements.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 1.a.02, 2.a.01
Responsible Agency: DPW, BOE; DBS; DCP; HB
Financing: General Fund; Stormwater Pollution Abatement Fund

P-37 Require that all land division proposals within FEMA designated flood zones include base flood elevation data.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 2.a.01, 2.a.08, 2.a.10, 2.c.06, 3.a.01, 3.a.04, 3.e.02
Responsible Agency: DPW, BOE; DCP
Financing: Stormwater Pollution Abatement Fund; General Fund


Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 2.a.07
Responsible Agency: DPW, BOE; DBS; DCP
Financing: General Fund; Stormwater Pollution Abatement Fund

P-40 Provide information to the Flood Hazard Mitigation Coordinator for preparation of the Annual FMP Evaluation Report that describes the progress made for each Program and any floodplain management regulatory actions and compliance actions conducted during the reporting period, including (a) the number of permits approved in designated flood hazard areas, (b) the number of waivers applied for, (c) the number of waivers approved. The information shall be provided to the Flood Hazard Mitigation Coordinator on July 1 of each year.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 1.a.02, 2.a.01, 2.a.08, 2.a.10
Responsible Agency: DPW, BOE and BOS; DBS; DCP; FD; HB; DWP
Financing: General Fund; Stormwater Pollution Abatement Fund

P-41 Maintain a filing system for all Elevation Certificates and evaluate and improve the process for obtaining accurately completed Elevation Certificates.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 2.a.01, 2.b.02, 2.b.05
Responsible Agency: DPW, BOE; DBS
Financing: Stormwater Pollution Abatement Fund; General Fund
P-42 Continue to refine the use of the Plan Check and Inspection System (PCIS) to track high-risk properties and ensure that drainage is adequately addressed through the plan check process.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 2.a.01, 2.a.02, 2.a.08, 2.b.01, 2.c.01
Responsible Agency: DPW, BOE and BOS; DBS
Financing: General Fund; Stormwater Pollution Abatement Fund

P-43 Incorporate floodplain management information into the Zoning Information and Map Access System (ZIMAS).

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 2.a.01, 2.a.04, 2.a.10, 2.b.02, 2.b.04, 2.d.01
Responsible Agency: DPW, BOE; DCP
Financing: General Fund; Stormwater Pollution Abatement Fund

P-44 Annually transfer electronic data regarding structures damaged due to flooding caused by catastrophic events to the Flood Hazard Mitigation Coordinator.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 1.a.04, 2.a.12, 2.b.04
Responsible Agency: Department of Building and Safety
Financing: General Fund

P-46 Continue to notify insurance agencies and realtors of the requirement that all lessors or renters give written notice to all prospective and interested parties, including but not limited to, purchasers, lessees and renters, prior to finalization of such a transaction when the subject land and/or structures are located within FEMA designated flood zones. The notice shall contain the following information:

1) The nature and classification of the designated flood zone,
2) The zone designation,
3) Whether waivers have been granted for development located within the designated flood zone,
4) That premium rates for flood insurance of new structures built at elevations below the base flood shall substantially increase as the elevations decrease. Failure to give such notice shall be a basis for rescinding any sale, lease or rental agreement.

Cost: Work Being Performed by Existing Staff
Schedule: Annual; On going
Policy Addressed: 1.a.02, 2.a.01, 2.a.04, 2.b.02, 2.c.03
Responsible Agency: DPW, BOE
Financing: Stormwater Pollution Abatement Fund

P-47 Provide flood zone information to all residents; provide notifications when flood insurance is required; and provide notifications when FEMA designated flood zones changes are made.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 2.a.04, 2.b.02, 2.c.03
Responsible Agency: DPW, BOE
Financing: Stormwater Pollution Abatement Fund

P-48 Develop and distribute flood protection information and materials to property owners and developers in high-risk areas.

Cost: Work Being Performed by Existing Staff
Schedule: Annual; On Going
Policy Addressed: 2.c.03
Responsible Agency: DPW, BOE; DCP; DBS; FD; EMD; Library Department
Financing: Stormwater Pollution Abatement, General Fund

P-49 Maintain a list of Critical Facilities throughout the City, provide flood protection information to operators of critical facilities located in FEMA designated flood zones, and encourage the implementation of flood protection measures at such facilities.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 2.a.04, 2.a.05, 2.a.11, 2.c.03, 2.c.04
Responsible Agency: DPW, BOE; EMD; General Services Department (GSD)
P-51 Prepare a list of City owned/leased properties that are located in FEMA designated flood zones.

Cost: Work Performed by Existing Staff
Schedule: Completed
Policy Addressed: 2.a.01
Responsible Agency: DGS; DPW, BOE; EMD
Financing: General Funds; Stormwater Pollution Abatement Fund

P-54 Continue to investigate Repetitive Loss Properties, as they are identified by the Federal Emergency Management Agency (FEMA), annually notify Repetitive Loss Property owners regarding local flood hazards and proper protection activities, provide technical advice regarding flood protection and flood preparedness, and distribute a revised Repetitive Loss Property Questionnaire to new Repetitive Loss Properties.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 2.d.01, 2.d.02, 2.d.03, 2.d.04, 2.d.05
Responsible Agency: DPW, BOE
Financing: Stormwater Pollution Abatement Fund

P-55 Repetitive Loss Properties shall be flagged in the Plan Check and Inspection System (PCIS) database for review and approval of building permit applications by the Flood Hazard Mitigation Coordinator.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 2.d.03
Responsible Agency: DPW, BOE; DBS
Financing: Stormwater Pollution Abatement Fund; General Fund

P-56 Request that FEMA modify the Repetitive Loss Property list based on mitigation projects already implemented by the owner or other responsible party.
P-57 Identify possible sources of funding including Increase Cost of Compliance funds and mitigation grant funds among others, and provide this information to Repetitive Loss Property owners.

Cost: Work Being Performed by Existing Staff
Schedule: Annual; On Going
Policy Addressed: 2.d.02, 2.d.03, 2.d.04
Responsible Agency: DPW, BOE; DBS
Financing: Stormwater Pollution Abatement Fund

P-58 Identify and maintain a list of high-risk properties that could be acquired for conversion into open space.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 2.d.05
Responsible Agency: DPW, BOE and BOS
Financing: Stormwater Pollution Abatement Fund

P-59 Establish standards and/or incentives for the use of structural and non-structural techniques that mitigate flood-hazards and manage Stormwater pollution.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 2.d.03, 2.c.02
Responsible Agency: DPW, BOE and BOS; GSD; DCP; DBS
Financing: Stormwater Pollution Abatement Fund

P-60 Plan and design Stormwater projects so that water quality is protected without creating a flood risk through the alteration of water flow.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
P-61 Continue to require environmental review in the development process to provide for the protection of natural resources.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 3.e.01
Responsible Agency: DCP
Financing: General Fund

P-62 Continue to implement environmentally sensitive property management at City owned sites.

Cost: Work Being Performed by Existing Staff
Schedule: On Going
Policy Addressed: 3.e.02
Responsible Agency: DRP; DPW; HB; DWP; GSD; Department of Airports
Financing: Various

P-63 The Floodplain Management Committee will meet at least one time during the year to develop the Annual FMP Evaluation Report and recommend any updates to the Plan.

Cost: Work Being Performed by Existing Staff
Schedule: Annual; On going
Policy Addressed: 2.a.12
Responsible Agency: FMP Committee; DPW, BOE
Financing: Stormwater Pollution Abatement Fund; General Fund

In Progress But Not Yet Completed Project

P-21 Provide the training and support necessary to maintain a Certified Floodplain Manager within the Department of Public Works.
Cost: Work Being Performed by Existing Staff  
Schedule: On Going  
Policy Addressed: 1.a.01, 2.a.03, 2.a.04, 2.a.05, 2.a.07, 2.b.02, 2.b.05, 2.b.06, 2.c.01  
Responsible Agency: DPW, BOE and BOS  
Financing: Stormwater Pollution Abatement Fund

P-50 Distribute a revised Flood Hazard Assessment Questionnaire to an additional sector of the population to gather flood damage data.

Cost: Work Being Performed by Existing Staff  
Schedule: Start July 2004 - TBD  
Policy Addressed: 2.a.03, 2.c.02, 3.a.02, 3.a.03, 3.b.01  
Responsible Agency: DPW, BOE  
Financing: Stormwater Pollution Abatement Fund

P-52 Evaluate flood hazards to City owned/leased properties located in FEMA designated flood zones and develop mitigation recommendations.

Cost: Work to be Performed by Existing Staff  
Schedule: TBD  
Policy Addressed: 2.a.01  
Responsible Agency: DPW, BOE; GSD  
Financing: Stormwater Pollution Abatement Fund

Not Yet Scheduled Projects

RP-2 Develop a model educational program for hillside properties in general and Mandeville canyon in particular. Target audience should be at minimum, residents and real estate agents.

Cost: TBD  
Schedule: TBD  
Policy Addressed: 2.a.03, 2.a.08, 2.a.12, 2.b.01, 2.b.04, 2.c.01, 2.c.03, 2.d.02, 2.d.03, 2.d.04, 2.d.05  
Responsible Agency: DPW, BOE  
Financing: Stormwater Pollution Abatement Fund, Grants
RP-3 Develop an annual inspection program of watercourse obstructions and revetments in Mandeville Canyon.

Cost: TBD  
Schedule: TBD  
Policy Addressed: 2.a.03, 2.a.08, 2.a.12, 2.b.01, 2.b.04, 2.c.01, 2.c.03, 2.d.02, 2.d.03, 2.d.04, 2.d.05  
Responsible Agency: DPW, BSS, BOE, and BOS; City Administrative Office; City Attorney; Council Office District 11  
Financing: General Fund, Grants

RP-8 Develop evacuation plans for those areas potentially affected by a catastrophic dam failure as identified in the Dam inundation map of the General Plan, and forward these evacuation plans to other appropriate agencies for coordination (i.e. Police, Sheriff, Los Angeles County, etc.).

Cost: TBD  
Schedule: TBD  
Policy Addressed: 1.a.04  
Responsible Agency: EMD; FD  
Financing: General Funds; Possible grants

RP-9 Identify high-density-vulnerable/low mobility population and sources of public safety hazards caused by a catastrophic dam failure and develop evacuation/response plans.

Cost: TBD  
Schedule: TBD  
Policy Addressed: 1.a.04  
Responsible Agency: EMD; FD  
Financing: General Funds; Possible grants

RP-10 Soto Street Steep Hillside Mudslide Mitigation

Cost: $8,000,000 (estimate)  
Schedule: TBD  
Policy Addressed: 2.b.01  
Responsible Agency: DPW, BOE  
Financing: General Funds; Possible grants
RP-12  Tujunga Wash Stream Bank Protection Project

Cost: $600,000 (minimum)
Schedule: TBD
Policy Addressed: 2.a.08, 2.a.09, 2.a.11
Responsible Agency: DPW, BOE
Financing: Army Corp of Engineers; Possible grants

P-31  Conduct a systematic evaluation of FEMA designated flood zones and revise/update designated flood zones to reflect current conditions.

Cost: Work to be Performed by Existing Staff
Schedule: TBD
Policy Addressed: 2.a.03, 2.a.12, 2.b.01, 2.b.02, 2.b.03
Responsible Agency: DPW, BOE and BOS
Financing: Stormwater Pollution Abatement Fund

P-38  Study and recommend solutions to conflicts between height limitations and flood mitigation elevation requirements for structures.

Cost: TBD
Schedule: TBD
Policy Addressed: 2.a.01, 2.a.02, 2.a.05, 2.a.12, 2.c.01, 2.d.01
Responsible Agency: DPW, BOE; DCP
Financing: General Fund; Stormwater Pollution Abatement Fund

Cancelled Projects

P-11  Submit copies of emergency plans for water tank storage and other non-dam storage systems to the Flood Hazard Mitigation Coordinator and provide updates as they become available.

Cost: TBD
Schedule: Cancelled
Policy Addressed: 1.a.04
Responsible Agency: DWP
Financing: DWP
P-45  Annually transfer electronic data regarding hazardous materials storage (including water reactive chemicals) to the Flood Hazard Mitigation Coordinator.

Cost: Work to be Performed by Existing Staff
Schedule: Cancelled
Policy Addressed: 1.a.04, 2.a.11, 2.a.12
Responsible Agency: FD
Financing: General Fund

P-53  Maintain adequate flood insurance on public structures located in FEMA designated flood zones.

Cost: TBD
Schedule: Cancelled
Policy Addressed: 2.a.01
Responsible Agency: GSD
Financing: General Fund

Deferred Projects

P-18  Conduct quarterly coordination meetings with the Los Angeles County Department of Public Works to communicate the City’s list of priority stormwater projects, to discuss watershed management programs, and to develop countywide standards.

Cost: Work to be Performed by Existing Staff
Schedule: Deferred
Policy Addressed: 2.a.09, 3.a.02
Responsible Agency: DPW, BOE and BOS; LCDPW
Financing: Stormwater Pollution Abatement Fund (City); Benefit Assessment for Flood Control (County)
Appendix A MAPS
Repetitive Loss Properties (Citywide and by Council District)
FEMA Designated Flood Zones

- 100 Year Flood Zones
- 500 Year Flood Zones
- Channel (100-yr)*
- Repetitive Loss Properties (2 total in CD9)
- Los Angeles City Boundary

FEMA FLOOD ZONES
Council District 9
Councilmember Jan Perry
CITY OF LOS ANGELES
As of 10-30-2008

Antonio R. Villaraigosa
Mayor

Rod Tashima
FEMA NFIP Coordinator

Prepared by GIS Mapping, Bureau of Engineering, City of Los Angeles

Gary L. Moore, P.E.
City Engineer

*100-yr flood is contained in the channel.
Repetitive Loss Properties (26 total in CD11)

ANTONIO R. VILLARAIGOSA

100-yr flood is contained in the channel.

Los Angeles City Boundary

Councilmember Bill Rosendahl

As of 10-30-2008
As of 10-30-2008

FEMA Designated Flood Zones

100 Year Flood Zones
500 Year Flood Zones
Channel (100-yr)*

Repetitive Loss Properties (1 total in CD12)

Los Angeles City Boundary

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FEMA Designated Flood Zones

- 500 Year Flood Zones
- 100 Year Flood Zones
- 100-yr flood is contained in the channel.
- Repetitive Loss Properties (0 total in CD13)
- Los Angeles City Boundary

FEMA FLOOD ZONES

Council District 13
Councilmember Eric Garcetti
CITY OF LOS ANGELES
As of 10-30-2008

GARY LEE MOORE, P.E.
CITY ENGINEER

Prepared by GIS Mapping, Bureau of Engineering, Dept. of Public Works

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APPENDIX B – Meeting Minutes

Appendix B – Meeting Minutes
2008 Floodplain Management Plan Steering Committee Meeting Minutes
2008 Floodplain Management Plan (FMP)
Steering Committee Meeting Minutes
at
the Los Angeles Glendale Reclamation Plant
November 18, 2008
1 to 2:30 pm

I  ATTENDEES

A total of 6 members attended the meeting (2 citizens and 4 City Staff)

<table>
<thead>
<tr>
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<tr>
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<td>Citizen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stewart E. Fliege</td>
<td>Citizen</td>
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II  CALL TO ORDER

Stewart Fliege was nominated as the steering committee chair for this meeting.

III  PURPOSE OF THE MEETING

This was 7th meeting of the FMP Steering Committee. The purpose of the committee meeting was to comment and correct the FMP Annual Progress Report (APR) draft and to evaluate the progress of the implementation for the recommended programs under the FMP adopted in 2001. A preliminary report was sent to the members for their review prior to the meeting. The committee discussed the body of the APR first, and then went over the recommended programs for the FMP.

IV  DISCUSSION ITEMS

1. Tom Grant wanted to know who is the official Floodplain Coordinator for the City of Los Angeles. He indicated that the Federal Emergency Management Agency (FEMA) regulations required a specific person not just an in-name only person.

   Susan Shu indicated that she raised the question with upper management and has not received a response. The City’s Ordinance says that the City Engineer is the Floodplain Coordinator.

2. Tom Horn wanted to know if the fire was going to change the 2008 FMP report.
Susan Shu indicated that the burned areas are mainly within the County’s jurisdiction. The City will work closely with the County to make sure the County’s action plan incorporates the City’s needs to mitigate possible flooding problems due to the recent fire.

3. Susan Shu indicated that Board Report for the hiring of a Public Relations Consultant to help with the 2009 FMP could be scheduled this coming Friday, November 21. The 2001 FMP will be updated to become the 2009 FMP by October 2009. We will need the input of citizens, neighborhood councils and different City Departments to see which program needs to be worked on.

4. Stewart Fliege wanted to know why some of the Recommended Programs (RP) in the 2008 report indicated that the costs are “To Be Determined,” yet the schedule indicated that the projects are “Completed.”

Susan Shu responded by saying that it is too cumbersome to gather all cost information and that the City will change the cost from “TBD” to “Work to be Performed by Existing Staff.”

5. Romano Galassi indicated that there are 154 Repetitive Loss Properties (RLP) with 130 being active.

Susan Shu indicated that FEMA has not sent the 2008 update of the RLP to the City.

6. Susan Shu indicated that at the last Community Assistance Visit (CAV), FEMA wanted the City to perform floodplain boundary delineation analysis for the Sun Valley Watershed. The City will gather the information and hire an expert to analyze the data.

7. Stewart Fliege indicated that he is planning to remodel his home and would like the flood zone information regarding his property.

Romano Galassi indicated that he will look up the information for him and e-mail him the link to Navigate LA.

8. Tom Horn indicated that proper drainage should be provided to fix flooding problems. The City should send repair recommendations along with the postcard to problem properties.

Susan Shu indicated that the City provides field visit to each private homes upon request, and the City sent out newsletters annually to inform this services to the home owners within the 100 yr flood zone. Each flooding problem may be unique, therefore, the City will provide mitigation recommendations upon request.
9. Stewart Fliege is wondering why there are projects that are under “Not Yet Started” category, and recommended that the City should prioritize the projects on the list.

Susan Shu indicated that funding constraint is the key reason that some projects are “In Progress But Not Yet Completed.” She also indicated that the City will look into the list and prioritize accordingly.

V. ADJOURNMENT

The FMP Steering Committee adjourned at 2:30pm.