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July 7, 2008

TO: Rod H. Kubomoto
Water Resources Division

Rod Kubomoto

FROM: Patricia Wood
Facilities Section

P.W.

**STORRS FIRE
BURNED AREA REPORT
FILE NO. 2-11.40**

Recommendations

1. Authorize us to send a copy of this Burned Area Report to the City of Pomona, notifying them of the potential mudflow impact to residences and facilities within the City.
2. No further action by Public Works is necessary.

Background

Fire Name: . Storrs Fire
Date of Fire: May 16, 2008
Burned Area: 60 acres
Location: West of Chino Valley (71) Freeway between Phillips Drive and Los Felis Drive in the City of Pomona (Thomas Guide Page 640-F4). The fire boundary is plotted on Attachment A.

Summary of Potential Sediment Impact

Storrs Fire occurred within the City of Pomona Regional Park located south of Phillips Drive and north of Los Felis Drive (see Attachment A). On June 11, 2008, Water Resources Division (WRD) staff conducted a field reconnaissance of the burned area to assess potential mudflow impact to residences and structures during heavy storms. WRD staff anticipated that during a Design Debris Event storm (DDE), mudflow from the burned canyons may impact a few downstream residences, City maintained inlets, and streets. The burned watershed is located within the Debris Production Area (DPA) 6 and comprises ten subareas (see Attachment A).

Subarea 1, 2, 3, and 5

Subarea 1 has an area of 7 acres and is 100 percent burned. During a DDE (a debris event associated with a 50-year rainfall frequency), an estimated 525 cubic yards of sediment (adjusted debris production due to burn) may be produced.

Subarea 2 watershed has an area of 10 acres and is 70 percent burned. During a DDE (a debris event associated with a 50-year rainfall frequency), an estimated 600 cubic yards of sediment (adjusted debris production due to burn) may be produced.

Subarea 3 watershed has an area of 4 acres and is 75 percent burned. During a DDE (a debris event associated with a 50-year rainfall frequency), an estimated 270 cubic yards of sediment (adjusted debris production due to burn) may be produced.

Subarea 5 watershed has an area of 2 acres and is 13 percent burned. During a DDE (a debris event associated with a 50-year rainfall frequency), an estimated 84 cubic yards of sediment (adjusted debris production due to burn) may be produced.

Nuisance mudflow from subareas 1, 2, 3, and 5 is anticipated to deposit onto a flat area without any impact to residences.

Subarea 4, 6, 7, and 8

Subarea 4 has an area of 8 acres and is 75 percent burned. During a DDE (a debris event associated with a 50-year rainfall frequency), an estimated 525 cubic yards of sediment (adjusted debris production due to burn) may be produced.

Subarea 6 has an area of 10 acres and is 90 percent burned. During a DDE (a debris event associated with a 50-year rainfall frequency), an estimated 700 cubic yards of sediment (adjusted debris production due to burn) may be produced.

Subarea 7 has an area of 14 acres and is 79 percent burned. During a DDE (a debris event associated with a 50-year rainfall frequency), an estimated 900 cubic yards of sediment (adjusted debris production due to burn) may be produced.

Subarea 8 has an area of 7 acres and is 86 percent burned. During a DDE (a debris event associated with a 50-year rainfall frequency), an estimated 500 cubic yards of sediment (adjusted debris production due to burn) may be produced.

Downstream of Subareas 4, 6, 7, and 8 an existing concrete V-ditch encircles the bottom part of the City Regional Park diverting runoff from the hillsides and canyons in the park into inlets located near the backyards of a few residences. The inlets are connected to storm drains maintained by the City. A postfire DDE will produce debris that will overtax the concrete V-ditch and inlets and may potentially impact residences and plug the drains.

Rod H. Kubomoto
July 7, 2008
Page 3

On June 9, 2008, WRD staff met with two City field supervisors near the burned area and briefed them about the potential mudflow impact during heavy storms. WRD staff also informed City staff about the availability of WRD providing mudflow protection advice to the potentially affected residences subject to a request from the City. To date, WRD has not received a request.

Subarea 9 and 10

Subarea 9 has an area of 10 acres and is 80 percent burned. During a DDE (a debris event associated with a 50-year rainfall frequency), an estimated 700 cubic yards of sediment (adjusted debris production due to burn) may be produced.

Subarea 10 has an area of 7 acres and is 14 percent burned. During a DDE (a debris event associated with a 50-year rainfall frequency), an estimated 300 cubic yards of sediment (adjusted debris production due to burn) may be produced.

WRD staff was unable to confirm the impact of the mudflow generated within Subareas 9 and 10 as they were located behind residences that were not accessible for further evaluation.

The approved Burned Area Report will be posted on the Internet at <http://www.dpw.lacounty.gov/WRD/FIRE/>. If you have any questions regarding this report, please contact Youssef Chebabi at 458-6154 or Arevik Vardanyan at 458-6115.

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Attach.

cc: Disaster Services (Dai Bui)
Water Resources (Walden, Soriano, Files)