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COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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ALHAMBRA, CALIFORNIA 91803-1331
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2010 APR 1 PM 3:29

GAIL FARBER, Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

April 1, 2010

IN REPLY PLEASE
REFER TO FILE. **FM-0**

Ms Tracy Egoscue
Executive Director, Los Angeles Region
California Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Attention Ms Valerie Carrillo

Dear Ms. Egoscue

**SUBMITTAL OF HAZARD ANALYSIS AND CRITICAL CONTROL POINT PLAN
SOFT- BOTTOM CHANNEL MAINTENANCE ACTIVITIES WITHIN
THE MALIBU AND SANTA MONICA CANYON WATERSHEDS
WASTE DISCHARGE REQUIREMENTS FILE NUMBER 99-011**

In compliance with Provision 7 of the subject Waste Discharge Requirement permit, enclosed is our proposed Hazard Analysis and Critical Control Point (HACCP) plan for the LACFCD-maintained soft-bottom channels located within the Malibu and Santa Monica Canyon Watersheds.

If you have any questions or comments on the HACCP plan, please contact Ms Jemellee Cruz at (626) 458-4170 or jcruz@dpw.lacounty.gov

Very truly yours,

GAIL L FARBER
Director of Public Works

RUDY LEE
Assistant Deputy Director
Flood Maintenance Division

JQC:wy
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RJ JQC Enc.

cc: Regional Water Quality Control Board (L.B Nye)

bc: Flood Maintenance (Vander Vis, Teran)

2010 APR 1 PM 3:29

HAZARD ANALYSIS AND CRITICAL CONTROL POINT (HACCP) Soft-Bottom Channel Maintenance Activities Within the Malibu and Santa Monica Canyon Watersheds

HACCP Step 1 - Activity Description

<p>Facility:</p> <p>Los Angeles County Flood Control District's (LACFCD) Soft-Bottom Channels (SBC) Facilities</p>	<p>Site:</p> <p>Throughout Malibu and Santa Monica Canyon Watersheds Area</p>
<p>Project Coordinator:</p> <p>Jemellee Cruz (626) 458-4170 County of Los Angeles Department of Public Works 900 S Fremont Avenue, Annex 2nd Floor Alhambra, CA 91803</p>	<p>Project Description:</p> <p>Implementation of BMPs to Prevent and Minimize Spread of Mudsnaills During Annual Maintenance Activities within LACFCD's Soft-Bottom Channels within the Malibu and Santa Monica Canyon Watersheds.</p>
<p>Site Manager:</p> <p style="text-align: center;">Site Superintendent or Foreman</p> <p>To find the appropriate Superintendent or Foreman for each Soft-Bottom Channel Facility, please contact the following Flood Maintenance Division Field Offices</p> <p>West Area (Hansen Yard) 10179 Glenoaks Blvd Sun Valley, CA 91352 (818) 896-0594 Area Engineer: Art Vander Vis</p> <p>South Area (Imperial Yard) 5525 E Imperial Hwy South Gate, CA 90280 (562) 861-0316 Assistant Area Engineer: Ed Teran</p>	

HAZARD ANALYSIS AND CRITICAL CONTROL POINT (HACCP) Soft-Bottom Channel Maintenance Activities Within the Malibu and Santa Monica Canyon Watersheds

Project Description (Who, What, Where, When, How & Why)

Who Los Angeles County Flood Control District (LACFCD) Work performed by County of Los Angeles Department of Public Works (Public Works)

What: Soft-Bottom Channels' Annual Maintenance Activities – Maintenance of soft-bottom channels by clearing vegetation, debris, trash, and exotic/invasive vegetation, maintaining and restoring all existing invert access ramps, notching of entrainment channels at a 45-degree angle from outlets to the middle of the channel for drainage, removing ponded water, and conducting minor repairs within the channel structures.

Where Various LACFCD-Maintained Soft-Bottom Channel Facilities within Malibu and Santa Monica Canyon Watersheds

When Scheduled Annual Maintenance typically occurs from September 1 thru March 15 of each year to avoid nesting bird season. If work is necessary during the nesting bird season, qualified biologists conduct Nesting Bird Surveys prior to start of work.

How & Why: Annual maintenance activities within LACFCD's soft-bottom channels are performed by Public Works staff and contractors to provide sufficient flood channel capacity and to comply with regulations stipulated by the Agricultural Commission (AC), the Vector Control District (VCD), and/or local fire departments.

Public Works must maintain soft-bottom channels to prevent flooding conditions, maintain the stability and structural integrity of the channel structures, and to avoid an environment that may be detrimental to the public health and safety to adjacent and downstream properties such as fire hazard, vector and/or odor nuisance. Capital flood designations are made according to Public Works' standards using a 50-year rainfall event in a mountainous saturated watershed.

HACCP Step 2 - Potential Hazard Identification

Vertebrates

Any invasive fish species or other vertebrates (native or non-native) found in drainage basins.

Invertebrates

New Zealand Mud Snails

Plants

- Native or non native invasive plants found in the drainage basin
- Giant Reed (Arundo)

HACCP Step 3 - Flow Diagram

Task # 1	Pre-Clearing Survey from Qualified Biologist
Task # 2	Driving to the Soft-Bottom Channel Reach
Task # 3	Conducting Maintenance Activities Using Manual or Mechanical Methods
Task # 4	Disposing of Removed Vegetation, Trash, Debris, and Other Maintenance-Related Spoils to Sediment Placement Sites (SPS) or Landfills
Task # 5	Driving Equipment and Vehicles Back to Maintenance Yards or Another Site

HAZARD ANALYSIS AND CRITICAL CONTROL POINT (HACCP)

Soft-Bottom Channel Maintenance Activities

Within the Malibu and Santa Monica Canyon Watersheds

HACCP Step 4 - Hazard Analysis

Task	Hazard	Probable?	Justification	Control Measures	CCP
Task 1: Pre-Clearing Surveys from Biologist	None Biologist will conduct and document pre-clearing surveys at these facilities, which will include checking for presence of mudsnails and other exotic pests on-site	No	Biologist will survey the area by foot and will clean boots and vehicle tires before leaving the site	If site is positive for mudsnails, the biologist will provide additional recommendations for field crew to avoid or minimize spread of mudsnails prior to start of work. Our field crew will comply with the recommendations. Pls see attached "HACCP Control Measure Checklist." Appropriate signage will be installed to inform and the public of the presence of these mudsnails	No
	Vertebrate: Any fish species or other vertebrates (native or non-native) found in soft-bottom channel	No	Equipment is clean and free of hazards	No transporting will be conducted in this step. Tires from vehicles, trucks, and equipment will be checked prior to start of work.	No
Task 2: Driving to the Soft-Bottom Channel	Invertebrate: New Zealand Mud Snails	No	Equipment is clean and free of hazards	No transporting will be conducted in this step. Tires from vehicles, trucks, and equipment will be checked prior to start of work.	No
	Plant: Native or non native plants found in the drainage basin	No	Equipment is clean and free of hazards	No transporting will be conducted	No
Task 3: Vegetation Removal by Hand, Hand Tools, or Mechanical Equipment	Vertebrate: any fish species or other vertebrates (native or non-native) found in drainage basin	Yes	Likely to be present if water is present during the activity	No transporting will be conducted	No
	Invertebrate: New Zealand Mud Snails	Yes	Likely to be present during the activity	No transporting will be conducted	No
	Plant: Native or non native plants found in the drainage basin	Yes	Likely to be present during the activity	No transporting will be conducted	No
	Invertebrate: New Zealand Mud Snails	Yes	Likely to be present during the activity	No transporting will be conducted.	No
	Plant: Native or non native plants found in the basin	Yes	Likely to be present during work	No transporting will be conducted	No

HAZARD ANALYSIS AND CRITICAL CONTROL POINT (HACCP)

Soft-Bottom Channel Maintenance Activities

Within the Malibu and Santa Monica Canyon Watersheds

Task 4: Hauling Trash, Vegetation, Debris, and other Maintenance-related Spoils to Landfills or County-Owned SPS	Vertebrate: any fish species or other vertebrates (native or non-native) found in drainage basin	Yes	Could be present during the activity if water is present on-site	a. Biologist is will be on-site during the maintenance activities at these facilities. Any vertebrates would be noted prior to clearing b. Cleaning the work boots and hand tools used for vegetation removal c. Placing metal shakers on the access ramps to clean the truck tires before moving out of the site Shakers may also remove or clear unwanted mudsnails or other exotic pests from tires off vehicular and mechanical equipment. Check and clean materials from shakers before removing them from the site d. Hosing off or sweeping tires from trucks, vehicles, and/or equipment before these leave the site	Yes
	Invertebrate: New Zealand Mud Snails	Yes	Could be present during the activity		Yes
Task 5: Driving Vehicles, Equipment and Trucks Back to Maintenance Yards or Another Site	Plant: Native or non native plants found in the drainage basin	Yes	Not likely to be present during the activity	a. Cleaning work boots and hand tools used during maintenance activities. b. Hosing off or sweeping tires from trucks, vehicles, and/or equipment before it leaves from the site, SPS, or landfills to another channel reach or yard.	Yes
	Vertebrate: any fish species or other vertebrates (native or non-native) found in drainage basin Invertebrate: New Zealand Mud Snails	No	Not likely to cling onto trucks and vehicles		No
	Plant: Native or non native plants found in the drainage basin	Yes	Likely to be present during the activity.		Yes
		Yes	Could be present during the activity		Yes

HACCP Step 5 - HACCP Plan

Facility LACFCD Soft-Bottom Channel Facilities	Activity: Implementation of BMPs to Prevent and Minimize Spread of Mudsnails During Annual Maintenance Activities within Flood Control District's Soft-Bottom Channels in Malibu and Santa Monica Canyon Watersheds
Address: Malibu and Santa Monica Canyon Watersheds	
Signature:	Date:

HAZARD ANALYSIS AND CRITICAL CONTROL POINT (HACCP) Soft-Bottom Channel Maintenance Activities Within the Malibu and Santa Monica Canyon Watersheds

CRITICAL CONTROL POINT #1

Task # 4: Hauling Trash, Debris, Vegetation, and other Maintenance-Related Spoils to Landfills or County-Owned SPS

Significant Hazards: **Invertebrate:** New Zealand Mud Snails
Plant: Native or non native plants found in the soft-bottom channel.

Control Measures: Wash working boots and hand tools used during maintenance activities. Place metal shakers on the access ramps to scrape truck, vehicles, and equipment tires of mud and debris before moving out of the site. Shakers may also remove or clear unwanted mudsnails or other exotic pests from tires off vehicular and mechanical equipment.

Limits of Control Measures: Complete removal of foreign material from tools, boots, and truck/equipment tires

Monitoring What? Monitor maintenance activities and implementing appropriate BMPs to avoid the potential of spreading Mudsnails from one streambed to another.

Monitoring How? Visually and physically

CRITICAL CONTROL POINT #2

Task # 5: Driving Vehicles, Equipment and Trucks Back to Maintenance Yards or Another Site

Significant Hazards: **Invertebrate:** New Zealand Mud Snails
Plant: Native or non native plants found in the soft-bottom channel

Control Measures: Wash working boots and hand tools used for vegetation removal place metal shakers on the access ramps to clean the truck tires before moving out of the site.

Limits of Control Measures: Complete removal of foreign material from tools, boots, and truck tires.

Monitoring What? Equipment

Monitoring How? Visually

HACCP Control Measures Check List

Watershed: Malibu Watershed/Santa Monica Canyon Watershed
(please circle the appropriate watershed)

Facility:

Date:

Biologist Pre Cleanout site Visual Inspection

Y

N

Biologist Inspection Date:

Y

N

Mud Snails Observed

***IF ANSWER IS (YES**

Reported to RWQCB?

Y

N

Date Reported:

RWQCB Notes:

BMP's Implemented With Positive Mud Snail Survey:

-Warning signs posted to prohibit public access to the site and to remind Public Works employees to take the necessary precautions before leaving the site

Y

N

Work boots and hand tools cleaned after finishing work

Y

N

Truck tires cleaned before moving to another site / maintenance yard

Y

N

Biologist Signature

Date:

Site Supervisor Signature

Date:

**NEW ZEALAND
MUD SNAILS AREA**

ENTRY BY PERMISSION ONLY
LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS (626) 458-4357

DO NOT REMOVE SOIL OR PLANT MATERIAL
ALL VEHICLES: MUST BE WASHED AND INSPECTED FOR ADHERING
SOIL/DEBRIS BY THE PUBLIC WORKS SITE SUPERVISOR BEFORE LEAVING
THE AREA