


**Sign-In Sheet for HSERC Members
Or their Voting Representatives**

May 18, 2001

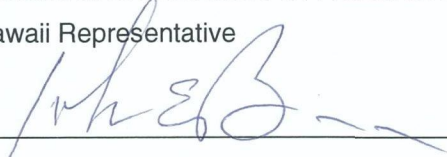
Joseph Blackburn
Maui Representative/LEPC Chair
Maui Fire Department
Maui Representative



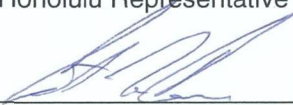
James Bobb
Coordinator, Logistics, Preparedness and Plannin
American Red Cross
American Red Cross

Robert A. Boesch
Pesticides Program Manager
Pesticides Branch, Department of Agriculture
Board of Agriculture

John Bowen
Hawaii Representative/LEPC Chair
Consultant and Instructor in Hazardous Materials
Hawaii Representative



Captain Carter Davis
Honolulu Representative/LEPC Chair
Honolulu Fire Department
Honolulu Representative



Gary Gill
Deputy Director, Environmental Health
Department of Health
Department of Health



Clifford Ikeda
Kauai Representative/LEPC Chair
Kauai Civil Defense
Kauai Representative



Prema Menon
Faculty
University of Hawaii, School of Public Health
School of Public Health, University of Hawaii

Sign-In Sheet for HSERC Members Or their Voting Representatives

May 18, 2001

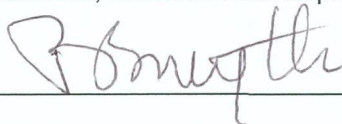
Jackie Miller
Environmental Coordinator
UH Environmental Center
University of Hawaii Environmental Center

Genevieve Salmonson
Director
Environmental Quality Control Office
Environmental Quality Control Office

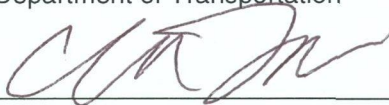
Jennifer Shishido
Administrator
Occupational Health Branch
Department of Labor and Industrial Relations

attended but signed other paper

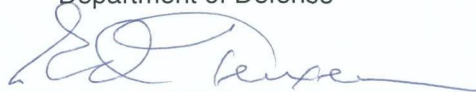
Thomas J. Smyth
Business Services Division
Dept. of Business, Economic Dev. & Tourism
Business, Economic Development & Tourism



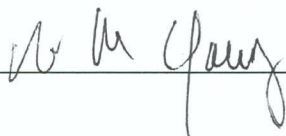
Chris Takeno
Hazardous Materials Officer
Department of Transportation
Department of Transportation



Ed Teixeira
Vice Director
Civil Defense Division
Department of Defense



W. Mason Young
Staff
Department of Land and Natural Resources
Department of Land and Natural Resources



Sign-In Sheet for the May 18, 2001 HSERC Meeting

Name	Organization	Phone	Fax	E-mail
(If we don't already have this information.)				
Leland Nakai	Honolulu LEPC	5175397	5243439	lnakai@co.honolulu.hi.us
John Bowen	Hawaii LEPC	935-2785		jebowen@gta.net
Joseph Blackburn	320 EKOA Place, W.H., HI	90793		
LATARSHA S. McQUEEN	USCGMSO	808-522-8260	/8270 FAX	LMCQUEEN@D14.USCG.MIL
Dennis Poma	BEI	808 532 7455		dpoma@beireweb.com
CLEM JUNG	SCD	733-4300		cjung@scd.state.hi.us
Cynthia Pang	CNRHI	473-4689		pangcy@hawaii.navy.mil
Jennifer Shishido	HIOSH	586-9116	586-9104	jennifer.shishido@osha.gov

From: **Glenn Lockwood <lockwoodg@hawaii.rr.com>**
Send reply to: **"lockwoodg@hawaii.rr.com" <lockwoodg@hawaii.rr.com>**
To: **"dshimamoto@eha.health.state.hi.us"
<dshimamoto@eha.health.state.hi.us>**
Subject: **RE: Draft Meeting Summary**
Date sent: **Fri, 18 May 2001 08:24:04 -1000**
Organization: **American Red Cross of Hawaii**

Dennis sorry for the late notification, ARC will not have a representative at this meeting today. I would like to ask that future emails concerning LEPC be direction to my email. I will be sending you a formal notice changing our delegate from Jim Bobb to myself in the next week or so.

Mahalo

-----Original Message-----

From: Dennis Shimamoto - HEER [SMTP:dshimamoto@eha.health.state.hi.us]
Sent: Wednesday, April 04, 2001 2:40 PM
To: hazmat@hawaii.rr.com; ciked@aloha.net; eteixeira@scd.state.hi.us; glgill@mail.health.state.hi.us; oeqc@health.state.hi.us; jackiem@hawaii.edu; bobbj@hawaii.rr.com; joeb@maui.net; jebowen@gte.net; LNakai@co.honolulu.hi.us; jennifer.shishido@osha.gov; tsmyth@dbedt.hawaii.gov; shermanp@hgea.org; masonry@pixi.com; chris_takeno@exec.state.hi.us; rappa@hawaii.edu; myconsul@gte.net
Subject: Draft Meeting Summary

The following section of this message contains a file attachment prepared for transmission using the Internet MIME message format. If you are using Pegasus Mail, or any another MIME-compliant system, you should be able to save it or view it from within your mailer. If you cannot, please ask your system administrator for assistance.

---- File information -----

File: 41fmin.doc
Date: 17 Jan 2001, 10:41
Size: 56320 bytes.
Type: Unknown << File: 41fmin.doc >>

IMPORTANT MESSAGE

FOR _____ *Denis*

DATE _____ *5/18* TIME _____ *8:12* ^{A.M.}
P.M.

M _____ *Jackie Miller*

OF _____

PHONE _____

AREA CODE

NUMBER

EXTENSION

FAX

MOBILE

AREA CODE

NUMBER

TIME TO CALL

TELEPHONED	<input checked="" type="checkbox"/>	PLEASE CALL	
CAME TO SEE YOU		WILL CALL AGAIN	
WANTS TO SEE YOU		RUSH	
RETURNED YOUR CALL		SPECIAL ATTENTION	

MESSAGE _____ *Eye problem, won't*

be coming to meeting.

SIGNED _____

TOPS



FORM 3002S
LITHO IN U.S.A.

Date sent: Thu, 05 Apr 2001 07:11:16 -0700
From: Ardito.Michael@epamail.epa.gov
Subject: Re: Agenda Items for May 18, 2001
To: Dennis Shimamoto - HEER <dshimamoto@eha.health.state.hi.us>
Copies to: Teresita.Badua-Larsen@fema.gov

I will probably not be able to attend the May 18th HSERC meeting -- I have too many things going on here in San Francisco that week. However, I would like to participate in the following HSERC meeting, if possible.

At this time, I plan to be on Oahu the week of August 13 - 16 for the 4-day hazmat field exercise design course. At this time, I also plan to be in Honolulu for the next Oceania Regional Response Team meeting tentatively scheduled for sometime the week of September 10 -- so perhaps Friday, September 14 would be a good day for an HSERC meeting. Perhaps Tessa Badua-Larsen from FEMA could also be at a September HSERC meeting -- I believe she will be going to Honolulu for the next Oceania RRT meeting.

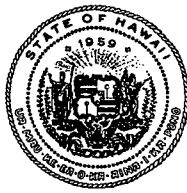
I'll see you in Atlanta on April 17-20. Sorry I was not able to talk with you while I was in Honolulu last week. I stopped by the HEER office about three times -- but you were still out in Halawa working the mercury spill.

Dennis Shimamoto - HEER
<dshimamoto@eha.health.st ate.hi.us> To: jebowen@gte.net, joeb@maui.net,
hazmat@hawaii.rr.com,
cikedada@kcda.state.hi.us,
04/04/2001 05:28 PM glgill@mail.health.state.hi.us,
lnakai@co.honolulu.hi.us,
cmartin@eha.health.state.hi.us, Michael
Ardito/R9/USEPA/US@EPA,
kkawaoka@eha.health.state.hi.us
cc:
Subject: Agenda Items for May 18, 2001

Please email me any agenda items for the May 18, 2001 HSERC

meeting. I will be out of town from April 16 to April 30. Aloha.

BENJAMIN J. CAYETANO
GOVERNOR OF HAWAII



BRUCE S. ANDERSON, Ph.D.
DIRECTOR OF HEALTH

STATE OF HAWAII
DEPARTMENT OF HEALTH

P.O. BOX 3378
HONOLULU, HAWAII 96801

In reply, please refer to:
HEER OFFICE

HAWAII STATE EMERGENCY RESPONSE COMMISSION
MEETING #42

Friday, May 18, 2001 from 9:00 a.m. to 12:00 p.m.
Department of Health
919 Ala Moana Boulevard, Room 215
Honolulu, Hawaii 96814

AGENDA

- 1) 9:00 Call to Order Gary Gill, Deputy Director for Environmental Health
Opening Remarks, Discussion, Legislation
Approval of Minutes from Mtg #41
- 2) 9:20 LEPC Updates John Bowen, Hawaii LEPC Representative
Clifford Ikeda, Kauai LEPC Representative
Joe Blackburn, Maui LEPC Representative
Carter Davis, Oahu LEPC Representative
- 3) 9:50 LEPC Funding Allocation C. Curtis Martin, DOH, HEER Office
- 4) 10:15 NASTTPO 2001 Report & NASTTPO 2002 Update
HAZMAT Training for 2001
CHER-CAP Field Exercise 2002
Clem Jung, State Civil Defense
- 5) 10:30 Other Business
- 6) 10:40 Schedule next HSERC meeting

01 MAY -8 P 1:27

LIEUTENANT GOVERNOR'S
OFFICE

BENJAMIN J. CAYETANO
GOVERNOR OF HAWAII



BRUCE S. ANDERSON, Ph.D.
DIRECTOR OF HEALTH

STATE OF HAWAII
DEPARTMENT OF HEALTH

P.O. BOX 3378
HONOLULU, HAWAII 96801

In reply, please refer to:
HEER OFFICE

HAWAII STATE EMERGENCY RESPONSE COMMISSION
MEETING #42

Friday, May 18, 2001 from 9:00 a.m. to 12:00 p.m.
Department of Health
919 Ala Moana Boulevard, Room 215
Honolulu, Hawaii 96814

AGENDA

- 1) 9:00 Call to Order Gary Gill, Deputy Director for Environmental Health
Opening Remarks, Discussion, Legislation
Approval of Minutes from Mtg #41
- 2) 9:20 LEPC Updates John Bowen, Hawaii LEPC Representative
Clifford Ikeda, Kauai LEPC Representative
Joe Blackburn, Maui LEPC Representative
Carter Davis, Oahu LEPC Representative
- 3) 9:50 LEPC Funding Allocation C. Curtis Martin, DOH, HEER Office
- 4) 10:15 NASTTPO 2001 Report & NASTTPO 2002 Update
HAZMAT Training for 2001
CHER-CAP Field Exercise 2002
Clem Jung, State Civil Defense
- 5) 10:30 Other Business
- 6) 10:40 Schedule next HSERC meeting

'01 MAY -8 P 1:27

LIEUTENANT GOVERNOR'S
OFFICE

BENJAMIN J. CAYETANO
GOVERNOR OF HAWAII



BRUCE S. ANDERSON, Ph.D.
DIRECTOR OF HEALTH

**STATE OF HAWAII
DEPARTMENT OF HEALTH**

P.O. BOX 3378
HONOLULU, HAWAII 96801

In reply, please refer to:
HEER OFFICE

**HAWAII STATE EMERGENCY RESPONSE COMMISSION
MEETING #42**

Friday, May 18, 2001 from 9:00 a.m. to 12:00 p.m.
Department of Health
919 Ala Moana Boulevard, Room 215
Honolulu, Hawaii 96814

DRAFT

ch

AGENDA

- 1) 9:00 Call to Order Gary Gill, Deputy Director for Environmental Health
Opening Remarks, Discussion, Legislation
Approval of Minutes from Mtg #41
- 2) 9:20 LEPC Updates John Bowen, Hawaii LEPC Representative
Clifford Ikeda, Kauai LEPC Representative
Joe Blackburn, Maui LEPC Representative
Carter Davis, Oahu LEPC Representative
- 3) 9:50 LEPC Funding Allocation C. Curtis Martin, DOH, HEER Office
- 4) 10:15 NASTTPO 2001 Report & NASTTPO 2002 Update
HAZMAT Training for 2001
CHER-CAP Field Exercise 2002
Clem Jung, State Civil Defense
- 5) 10:30 Other Business
- 6) 10:40 Schedule next HSERC meeting

From: "Nakai, Leland A" <LNakai@co.honolulu.hi.us>
To: 'Dennis Shimamoto - HEER' <dshimamoto@eha.health.state.hi.us>
Copies to: 'Carter Davis' <hazmat@hawaii.rr.com>
Subject: RE: Agenda Items for May 18, 2001
Date sent: Fri, 6 Apr 2001 08:27:41 -1000

Denis,

Recommend LEPC Funding as an agenda item, if you don't already have it.
Believe this is a carry over from the last meeting.

Leland

-----Original Message-----

From: Dennis Shimamoto - HEER [mailto:dshimamoto@eha.health.state.hi.us]
Sent: Wednesday, April 04, 2001 2:28 PM
To: jebowen@gte.net; joeb@maui.net; hazmat@hawaii.rr.com;
ciked@kcda.state.hi.us; glgill@mail.health.state.hi.us;
lnakai@co.honolulu.hi.us; cmartin@eha.health.state.hi.us;
ardito.michael@epamail.epa.gov; kkawaoka@eha.health.state.hi.us
Subject: Agenda Items for May 18, 2001

Please email me any agenda items for the May 18, 2001 HSERC meeting. I will be out of town from April 16 to April 30. Aloha.

Date sent: **Wed, 25 Apr 2001 16:13:43 -1000**
To: **Denis Shimamoto <dshimamoto@eha.health.state.hi.us>**
From: **cjung@scd.state.hi.us (Clement Jung)**
Subject: **May 18, 2001, HSERC Meeting Agenda**
Copies to: **Ed Teixeira <eteixeira@scd.state.hi.us>**

Denis,

By the time you get this you have returned from your Florida trip. I hope you and Linda enjoyed the trip.

Suggest the following subjects be placed on the HSERC meeting agenda so I can report on them:

- NASTTPO Conference 2001 and Conference 2002
- Hazmat Training for 2001
- CHER-CAP Field Exercise 2002

Thanks, Clem

From: "Keith Kawaoka - HEER" <EHANVL1/KKAWAOKA>
Organization: Environmental Health Administration
To: glgill@mail.health.state.hi.us
Date sent: Mon, 22 Jan 2001 11:49:01 -0800
Subject: (Fwd) STTARS
Copies to: cmartin, dshimamoto

G-

Per your request. We will provide update at next HSERC.

K

----- Forwarded Message Follows -----

From: "Curtis Martin - HEER" <EHANVL1/CMARTIN>
Organization: Environmental Health Administration
To: GLGILL@MAIL.HEALTH.STATE.HI.US
Date sent: Mon, 22 Jan 2001 09:53:05 -0800
Subject: STTARS
Copies to: "Keith Kawaoka - HEER" <EHANVL1/KKAWAOKA>

STTARS is a new electronic Tier II reporting service that will collect information for a fee. It is the wave of the future for reporting, but we are not ready yet. The vast majority of our reporters are still hard copy only. We have provided a template in our revised Emergency Response Plan for those that want to file by electronic to use. This type service is something we may be interested in in a couple of years.

May 18, 2001 HSEPC Meeting

Meeting covered - 9:20 am by Gary Gill.

- Seg.

Tom Smyth - Underground storage tanks - money available ^{fund}
but not used ^{bill to} movement of money not passed

Raid Special Fund money - not passed

Will be brought up again next year - "heads up"

* Agenda Item - talk about upcoming Seg. (Fall meeting)

Criminal penalty for used oil abandonment - Bill passed.

Sul Time for R.P.

SHA Branch has bill -

Mercury Spill - update to members ($\approx \frac{1}{2}$ mil. R.P.?)

Seg. Report to members.

Mike Cripps - collected 54 lbs of mercury from home in Ewa.
Minutes - Carter (Bowen O.K.)

CEPC. Updates

Bowen -

Training requirements - first responders awareness
~~minimum~~ Refresher training requirements - Bring up at each
CEPC.

"HSEPC establish minimum requirements for four
levels of training" each CEPC. take back
for discussion (8 hrs 4-8 hrs)

"awareness - 8 hrs Refresher 4 hrs" - clear.

May 18, 2001

For "Emergency responders" (section 2)

Must consider OSHA requirements

- Training provided by state.

Would like to know funds available & spent. (Clara)

- Status of ERP. Answer M.

Due date was 9/30/00 - A vendor could not meet date & would like to have bid. This vendor is questioning contract because present vendor not meeting deadline.

Clifford - handed out presentation. ~~submitted pamphlet~~ (6/25/01 meeting)

Joe - ^{need} Haycat ~~training~~

- Computers programs not compatible.

- Planning grant - resubmit for next fiscal.

(Kathleen
6/8/01 pm)

Carter - Update 5/14/01 CEPC meeting

- Cameo Class

- Haymat II is operational

- HEPRA Filing fees.

- Emergency Planning update Contract

- Clean update (shelter in place for schools)

- Van's exercising

- CER-CAP. ^{develop} full scale exercise in August 2001

May 18, 2001

LEPC Funding

Carter - establish baseline needs
Balance on %

Moten \$5,000 base + % for present funds
Joe/Carter ok.

Labstain opposed.

Clare - HAZMAT Training reduced by 33%
= \$13,700 for training (\$41,000 last year)
Training classes will be held on Maui & ~~Honolulu~~ ^{Palau}

Cher-Cap 4 day exercise

Newburn's 1994
Carter - NFPA - new changes for P/E

Cliff - two applications
\$26,431.00 - software
\$25,230.00 -

All projects in by June 30, 2001
Will be on next meeting.

Aug 10 next meeting. 11:30 adjourned Carter/Joe.

August 21, 2001

LEPC Chairs:

At the HSERC meeting held on August 10, 2001, the HMEP Planning Grant funds and the HSERC match in the total amount of \$52,585 for projects to update the LEPC emergency plans has been approved by the HSERC members to be allocated in the following manner:

Honolulu	\$16,000
Hawaii	\$16,085
Kauai	\$16,000
Maui	\$ 4,500

Each LEPC will adhere to their respective county procurement procedure and requirements.

Clem Jung, Hazardous Material Training & Exercise Coordinator, stated that projects cannot be executed before October 1, 2001 and the HMEP Planning Grant funds have not been confirmed. Upon confirmation of the funds, he will notify us by letter of the allocated amount of funds.

If you have any questions, you may call me at (808) 586-4249.

Sincerely,

Denis M. Shimamoto
HSERC Coordinator

KAUAI CIVIL DEFENSE AGENCY



4396 RICE STREET 107 • LIHUE, HAWAII 96766
PHONE: (808) 241-6336 • FAX: (808) 241-6335
emops@kcda.state.hi.us

May 18, 2001

Report To SERC

The Kauai Local Emergency Planning Committee (KLEPC) Meeting was held on 9-Mar-2001. Maj. Stanley E. Toy from the 93rd WMD-CST provided a briefing to the membership. An updated membership list will be provided the Hawaii State Emergency Response Commission (HSERC) after mayoral review. Next KLEPC meeting has been re-scheduled for 25-Jun-2001.

U.S. DOT Planning Grant Funds. Dixon Risk Services has been awarded a \$15,000 contract for profession service to revise the KLEPC Hazardous Materials Response Plan; \$2,645 of the remaining fund amount allocated to the KLEPC will be used for expenses as it relates to the tabletop exercise. This exercise will be conducted before the end of the year. Initial payment for \$3,529 has been made to the contractor. Pre-contract administrative activities were bulky and lengthy. The experience demonstrates the need for the LEPC's to embark on an early start if planning grant funds are included in their program paper.

NASTTPO 2001-Atlanta, GA. A small delegation from Hawaii attended the NASTTPO 2001 Conference in Georgia in April and represented the State well. Besides gaining valuable information, the delegation made a good show on selling Hawaii as a convention and visitor destination. Clem Jung, SCD, continues to put much effort into the NASTTPO 2002, which will be held in Honolulu.

A handwritten signature in cursive script, reading "Clifford Ikeda".

Clifford Ikeda, Chair, KLEPC

Carter Davis

From: "Nakai, Leland A" <LNakai@co.honolulu.hi.us>
To: "Carter Davis" <hazmat@hawaii.rr.com>
Sent: Wednesday, May 16, 2001 2:41 PM
Subject: Prep for HSERC Meeting

Carter,

I found my VIDS' cd - it was buried with my Continuing Challenge material.
 I'll make a couple of copies & bring them to the HSERC meeting.

Some figures for the funding distribution:

\$5000 Base Total % of
 50K

Oahu \$5000 + .43 x 30,000 = 17,900 35.8
 Hawaii \$5000 + .28 x 30,000 = 13,400 26.8
 Maui \$5000 + .17 x 30,000 = 10,100 20.2
 Kauai \$5000 + .12 x 30,000 = 8,600 17.2

\$7500 Base

Oahu \$7500 + .43 x 20,000 = 16,100 32.2
 Hawaii \$7500 + .28 x 20,000 = 13,100 26.2
 Maui \$7500 + .17 x 20,000 = 10,900 21.8
 Kauai \$7500 + .12 x 20,000 = 9,900 19.8

\$10,000 Base

Oahu \$10,000 + .43 x 10,000 = 14,300 28.6
 Hawaii \$10,000 + .28 x 10,000 = 12,800 25.6
 Maui \$10,000 + .17 x 10,000 = 11,700 23.4
 Kauai \$10,000 + .12 x 10,000 = 11,200 22.4

ACT 021

MAY - 9 2001

SHWB
OPPD
3
gaw

HOUSE OF REPRESENTATIVES
TWENTY-FIRST LEGISLATURE, 2001
STATE OF HAWAII

H.B. NO. 662
H.D. 2

A BILL FOR AN ACT

RELATING TO CRIMINAL PENALTIES.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

1 SECTION 1. Section 342J-9, Hawaii Revised Statutes, is
2 amended by amending subsection (c) to read as follows:

3 "(c) Any person who knowingly:

4 (1) Transports any hazardous waste to a storage,
5 treatment, or disposal facility [~~which~~] that does not
6 have a permit pursuant to section 342J-5 to treat,
7 store, or dispose of that particular hazardous waste;

8 (2) Treats, stores, or disposes of hazardous waste without
9 first having a permit pursuant to section 342J-5, or
10 who violates any term or condition of a permit or
11 variance issued pursuant to this chapter;

12 (3) Transports, treats, stores, disposes of, recycles,
13 causes to be transported, or otherwise handles any
14 used oil or used oil fuel in violation of any rules
15 adopted pursuant to this chapter relating to used oil
16 or used oil fuel; [~~or~~]



1 (4) Makes a false statement or representation in any
2 application, label, manifest, record, report, permit,
3 or other document filed, maintained, or used, for
4 purposes of compliance with this chapter, including
5 compliance with any rules adopted pursuant to this
6 chapter relating to used oil or used oil fuel; or

7 (5) Abandons or causes to be abandoned any hazardous
8 waste, used oil, or used oil fuel;

9 shall be subject to criminal penalties [~~of not more than \$25,000~~
10 ~~for each day of each violation, or imprisonment, not to exceed~~
11 ~~one year, or both. If the conviction is for a violation~~
12 ~~committed after a first conviction, criminal punishment shall be~~
13 ~~by a fine of not more than \$50,000 for each day of each~~
14 ~~violation, or by imprisonment for not more than two years, or~~
15 ~~both]. Violations of paragraphs (3) and (4) are misdemeanor
16 offenses. In addition to any other sentence, a person who
17 violates paragraph (3) or (4) may be ordered to pay a fine not
18 to exceed \$25,000 for each day of each violation.~~

19 Violations of paragraphs (1), (2), and (5) are class C
20 felonies. In addition to any other sentence, a person who
21 violates paragraph (1), (2), or (5) may be ordered to pay a fine
22 not to exceed \$25,000 for each day of each violation.



1 For purposes of this subsection, "abandon" means the act of
2 deserting or leaving behind a hazardous waste, used oil, or used
3 oil fuel."

4 SECTION 2. Statutory material to be repealed is bracketed
5 and stricken. New statutory material is underscored.

6 SECTION 3. This Act shall take effect upon its approval.

APPROVED BY THE
GOVERNOR ON

APR 25 2001



HSERC Meeting
May 18, 2001

FY 2002
HSERC/LEPC FUNDS

Allocated funds for FY 2002	\$69,700
HSERC needs	\$16,358 (\$10,517 HMEP match, \$5,841 Travel)
Funds available to LEPC	\$53,342

Based on % Collections (TIER II)

Hawaii	28%	\$ 14,936
Kauai	12%	\$ 6,401
Maui	17%	\$ 9,068
Honolulu	<u>43%</u>	<u>\$22,937</u>
Total	100%	\$53,342

Equal Distribution \$13,335.50

January 11, 2001

TO: Curtis Martin

FROM: Denis M. Shimamoto *DM*

SUBJECT: Tier II Collections

The percentage of facility filing fees collected from each county for the reporting year 1999: (collected in FY 2000)

County of Hawaii	28%
County of Kauai	12%
County of Maui (Islands of Maui, Lanai, Molokai)	17%
City and County of Honolulu (Island of Oahu)	<u>43%</u>
TOTAL	100%

Data Base used is \$60,900.

ERO has \$69,700 for use in FY 2002 because of back collections credited for FY 2000.

Handwritten notes and scribbles at the bottom of the page, including the number 1165.

RY 99

<u>ISLAND</u>	<u># of Facilities That Submitted the \$100 filing Fee for the RY 1999</u>	<u>Percentage per Island</u>	<u>\$ collected</u>
Guam			
Hawaii	172	28	17,200
Kauai	75	12	7,500
Lanai	7	1.1	10,000
Maui	84	14	10,100
Molokai	10	1.6	
Oahu	261	43	26,100
			<hr/>
			\$ 60,900

17%

database

ERO

Receipts

\$ 60,900

FY 2000 \$ 69,700

includes
back
collection



**Mercury Incident Environmental Response and
Cleanup at the Puuwai Momi Housing Complex**

March 12 - April 6, 2001

**Hawaii State Legislature
Informational Meeting April 17, 2001**

SUMMARY OF THE PU'UWAI MOMI MERCURY INCIDENT

Report to the Legislature

April 17, 2001

Discovery of Incident and Initial Response

On Monday, March 12 at 11:15 a.m., Department of Health (DOH) State On Scene Coordinator Liz Galvez received a telephone call from Honolulu Fire Department HAZMAT, reporting that children had brought mercury to school and the Puuwai Momi housing area was contaminated with mercury.

To protect the residents and prevent cross contamination, Honolulu Police Department and the Sheriff's Office provided security at the housing complex throughout the response. Since residents were asked to vacate their units to facilitate response efforts, Oahu Civil Defense opened a shelter. The American Red Cross provided bedding and food for the shelter. The Red Cross also responded to requests for access and the special needs of the 1100 Puuwai Momi residents and provided vouchers to purchase essential items for those displaced by the response activities.

Staff from the Housing and Community Development Corporation of Hawaii (HCDCH) as owners and managers of the housing project, provided logistical and communication support throughout the incident.

Department of Health Cleanup at Puuwai Momi

HAZMAT turned over the response to the DOH on Tuesday, March 13, 3:00 a.m. and DOH assumed Incident Command. County, State, Federal, and private agencies supported DOH in the response effort.

Cleanup of the housing units, common areas and, whenever possible, personal items continued for 26 days until Friday, April 6. Mercury monitoring instruments were used to identify areas of contamination for cleanup. Cleanup included vacuuming (with specially filtered vacuum units) to remove visible mercury, removal of contaminated items, scrubbing with a commercial cleaner and treatment with sulfur compounds to bind the mercury and reduce vapors.

Of the 260 units in the Puuwai Momi housing complex, 189 units were found to be uncontaminated. The remaining 71 units underwent some degree of cleanup.

Contaminated household items were removed from 55 units. From 10 of the units, only the washing machines were removed. Only trash was removed from 2 others. Items removed from the 43 remaining units also included clothes, toys, bedding, scooters, carpet, moldings and furniture. Most of the contaminated items removed had to be disposed of in the landfill as household hazardous waste because they could not be adequately cleaned.

Residents were given printed inventory sheets with color pictures and a listing of the items removed from their units. The residents were asked to verify the list and could request special handling for any items of value before the scheduled disposal date. Claim forms were made available for any resident seeking compensation for lost possessions.

Medical Testing

Medical mercury screening was conducted for residents who requested it. A mercury-screening clinic took place on Wednesday, March 14, 2001 from 8:30 a.m. to 4:30 p.m. at the Makalapa Community Center and again on Tuesday, March 20 from 2:00 p.m. to 7:00 p.m. Of 221 samples taken, 219 were within normal range. Two samples showed slightly elevated levels of mercury in the urine but were not cause for concern or treatment.

Further Action and Costs Issues

The former navy pump house, thought to be the source of the spilled mercury, is now secured by a fence constructed by DLNR and the State Department of Defense. The cleanup of pump house mercury is pending action by State DOD, DLNR and the Army Corps of Engineers. The DOH served Letters of Interest on the Navy, State DLNR and State DOD requiring the responsible parties to develop a cleanup plan for the contaminated pump house.

As of Monday, April 16, the DOH contractor, PENCO, has billed the state \$282,754 for its cleanup costs. A number of drums will be sent to the mainland for disposal as hazardous waste. Disposal costs for contaminated material from the cleanup is unknown. The final cost for the entire response, including staff time, will be more than the contractor and waste disposal costs.

The DOH has assigned our Pollution Prevention Specialist to perform outreach and education about mercury to the affected schools and community. This work in the schools has been delayed by the on-going teachers strike.

Other Responses

DOH responded to reports of 16 other mercury spills around the island over the past three weeks and will continue to address and follow-up on health related concerns. These reports included spills at public parks and private residences.

Follow up, Conclusions and Lessons Learned

- Public Information is critical for success of a HazMat incident. We urge the funding of an Information Officer (proposed in the administration budget) to improve communications.
- The Emergency Response Revolving Fund must remain intact to assure DOH response capability.
- A Mobile Command Center would speed the set up of the essential Incident Command Post through which all decisions are made.
- A system of medical support from the physicians in the Department of Health should be established at the Incident Command for some HAZMAT incidents.
- The DOH needs specialized mercury detection and improved incident command equipment. DOH recently purchased three mercury detection instruments.
- Management and security of abandoned or contaminated sites should be assured.
- Convenient household hazardous waste collections should be held to help minimize hazardous materials in residences, reducing the risk of spills.

The Department of Health is grateful for the support and cooperation of many private, State, and Federal agencies. The teamwork exhibited by all involved made this unusual and challenging emergency response a success.

Other Mercury Spills as of 04/16/01

Response to Reports of Mercury Spills	Pickup of Mercury Turn-Ins
Aiea Elementary	Dumpster at Waianae Mall
Pupupuhi Street	Mililani Fire Station
Lex Brodie Pearl City	Manana Fire Station
Makalapa Manor	Nanakuli High School
Pearl Ridge Fun Factory	Waianae Fire Station
Awamoku Place	
Makalapa District Park	
Halawa District Park	
Bouncing Air Castle	
Waianae Small Boat Harbor	
Waipio Gentry Neighborhood Park	
Pupu Kahi Street	
Hale Ekahi Drive	
Wailoa Clinic, Waianae Mall	
Puuwai Momi 04/14/01	
Schofield Barracks Housing	

ORGANIZATIONS PARTICIPATING IN THE MARCH MERCURY SPILL INCIDENT

	Organization	Area of Support
1	Navy Region Hawaii	Monitoring teams, mercury vapor analyzer, mercury vacuums
2	Air Force	Monitoring teams, mercury vapor analyzer
3	American Red Cross	Manage shelter, resident assistance, meals, food and clothing vouchers, human needs
4	Honolulu Fire Department	Hazmat response Day 1
5	Honolulu Police Department	Security, assessment entry team
6	Department of Education	Initial notification, contamination sites
7	Environmental Protection Agency Region 9	On-scene coordinator, toxicology, consultation
8	Environmental Protection Agency Environmental Response Team	Technical assistance, monitoring teams, equipment
9	Department of Public Safety	Security, assessment entry teams
10	State Civil Defense	Coordinate military disaster assistance mutual aid, radio communications
11	Oahu Civil Defense	Coordinate city resources
12	PENCO	HEER response contractor - cleanup
13	Salvation Army	Meals
14	DOH Hazard Evaluation & Emergency Response Office	On-scene coordinator, site management environmental response fund
15	DOH Epidemiology	Track spread of mercury and exposed parties, on site medical consultation to Health Dept.
16	DOH Solid & Hazardous Waste Branch	Monitoring and assessment personnel, disposal issues
17	University of Hawaii Environmental Center	Mercury vacuum
18	University of Hawaii Environmental Biochemistry Lab (MBBE)	Consultation and chemical analysis
19	Panasonic	Shelter amenities, big screen television
20	Housing and Community Development Corporation of Hawaii	Resident housing issues, waste disposal
21	Hawaii Army National Guard	Security, potentially responsible party
22	Department of Land & Natural Resources	Security, potentially responsible party
23	Hawaiian Electric	Mercury vapor analyzer
24	EMS	Transport victims
25	Attorney General	Security
26	Tesoro	Provided Sulfur
27	C&C Honolulu Parks and Recreation	Provided Shelter (Halawa District Park)
28	Department of Accounting and General Services	Claims



**Hawaii
Department
of Health**

- Home**
- About the DOH**
- Resources**
- Environment**
- Statistics**
- Vital Records**
- Permits**
- Regulations**
- Search**



**Back to press
release
listing:**

By Date

By Topic

Press Releases

Department of Health
Communications Office

March 12, 2001 DOH #01-07

Department of Health issues warnings for mercury poisoning in the Halawa area

The Department of Health is advising parents of children in who live in the Halawa area to take precautions for potential exposure to elemental mercury. A source of elemental mercury was found in an old Aiea pumping station near Richardson Field. Unaware of the danger of exposure to mercury, some children have been handling the mercury and taking it to their homes and school.

DOH and Fire authorities have confirmed mercury contamination and are working to contain the chemical. Residents of the Puuwai Momi are being evacuated to Halawa District Park where an emergency center has been set up as housing units are monitored for mercury.

Those who live in the Halawa area should check their children to see if they received or handled Mercury. Elemental mercury is an odorless, silvery, mobile liquid. Anyone having direct contact with the chemical should contact his or her physician. Anyone finding more of the substance should call 911 to contact police or fire departments for pick up.

Inhalation of elemental mercury vapors is the main cause of toxicity, as mercury is well absorbed by the lungs. To develop problems by inhalation you need either a large one-time exposure or a long-term exposure. A small, one-time exposure is not likely to cause problems.

After a large, one-time inhalation exposure of mercury vapor, the lungs are the main target of mercury poisoning, although other symptoms develop as well. Symptoms may develop within a few hours and include chills, metallic taste, mouth sores, swollen gums, nausea, vomiting, abdominal pain, diarrhea, headache, weakness, confusion, shortness of breath, cough, chest tightness, bronchitis, pneumonia and kidney damage.

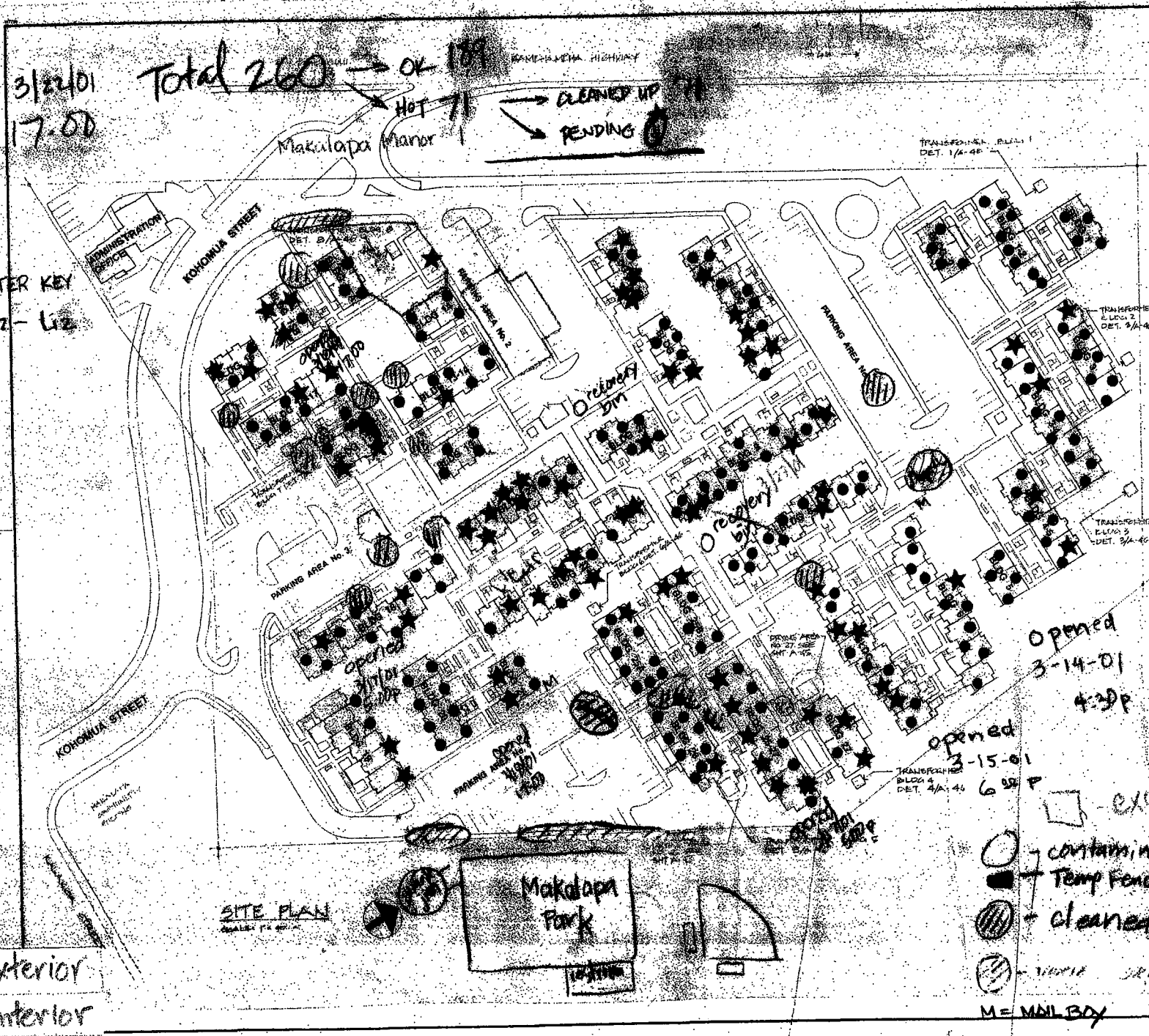
For health related questions, contact the Department of Health's on-site coordinator at 578-5588 (digital pager).

HOUSING MERCURY CLEANUP STATUS

of 3/24/01
17.00

Total 260 → OK 187
HOT 71
CLEANED UP
PENDING 0

ASTER KEY
LIZ - LIZ



INDEX TO BUILDINGS

BLDG NO.	APARTMENTS (1)	APARTMENTS (2)	APARTMENTS (3)	APARTMENTS (4)
1	99-168	A, B, C, F		
1-2	99-168	C, D, E, H		
2	99-169	A, B, E, F		
3	99-171	C, D, E, H		
3-4	99-171	A, B, C, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z		
4-5	99-179	A, B, C, F		
5	99-179	C, D, E, H		
6	99-179	A, B, C, F		
7	99-179	A, B, C, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z		
8	99-179	A, B, C, F		
9	99-179	C, D, E, H		
10	99-179	A, B, C, F		
11	99-179	A, B, C, F		
12	99-179	A, B, C, F		
13	99-179	C, D, E, H		
13-14	99-179	A, B, C, F		
14	99-179	C, D, E, H		
15A	99-179	A, B, C, F		
15B	99-179	C, D, E, H		
16	99-179	A, B, C, F		
16-17	99-179	A, B, C, F		
17	99-179	C, D, E, H		
18	99-179	A, B, C, F		
19	99-179	C, D, E, H		
20	99-179	A, B, C, F		
21	99-179	C, D, E, H		
22	99-179	A, B, C, F		
23	99-179	C, D, E, H		
24	99-179	A, B, C, F		
25	99-179	C, D, E, H		
26	99-179	A, B, C, F		
27	99-179	C, D, E, H		
TRANSFORMER BLDG 1	DET. 1/A-4E			
TRANSFORMER BLDG 2	DET. 2/A-4E			
TRANSFORMER BLDG 3	DET. 3/A-4E			
TRANSFORMER BLDG 4	DET. 4/A-4E			
TRANSFORMER BLDG 5	DET. 5/A-4E			
TRANSFORMER BLDG 6	DET. 6/A-4E			
TRANSFORMER BLDG 7	DET. 7/A-4E			
TRANSFORMER BLDG 8	DET. 8/A-4E			
TRANSFORMER BLDG 9	DET. 9/A-4E			
TRANSFORMER BLDG 10	DET. 10/A-4E			

opened 3-14-01
4:30P

opened 3-15-01
6:00P

exclusion zone

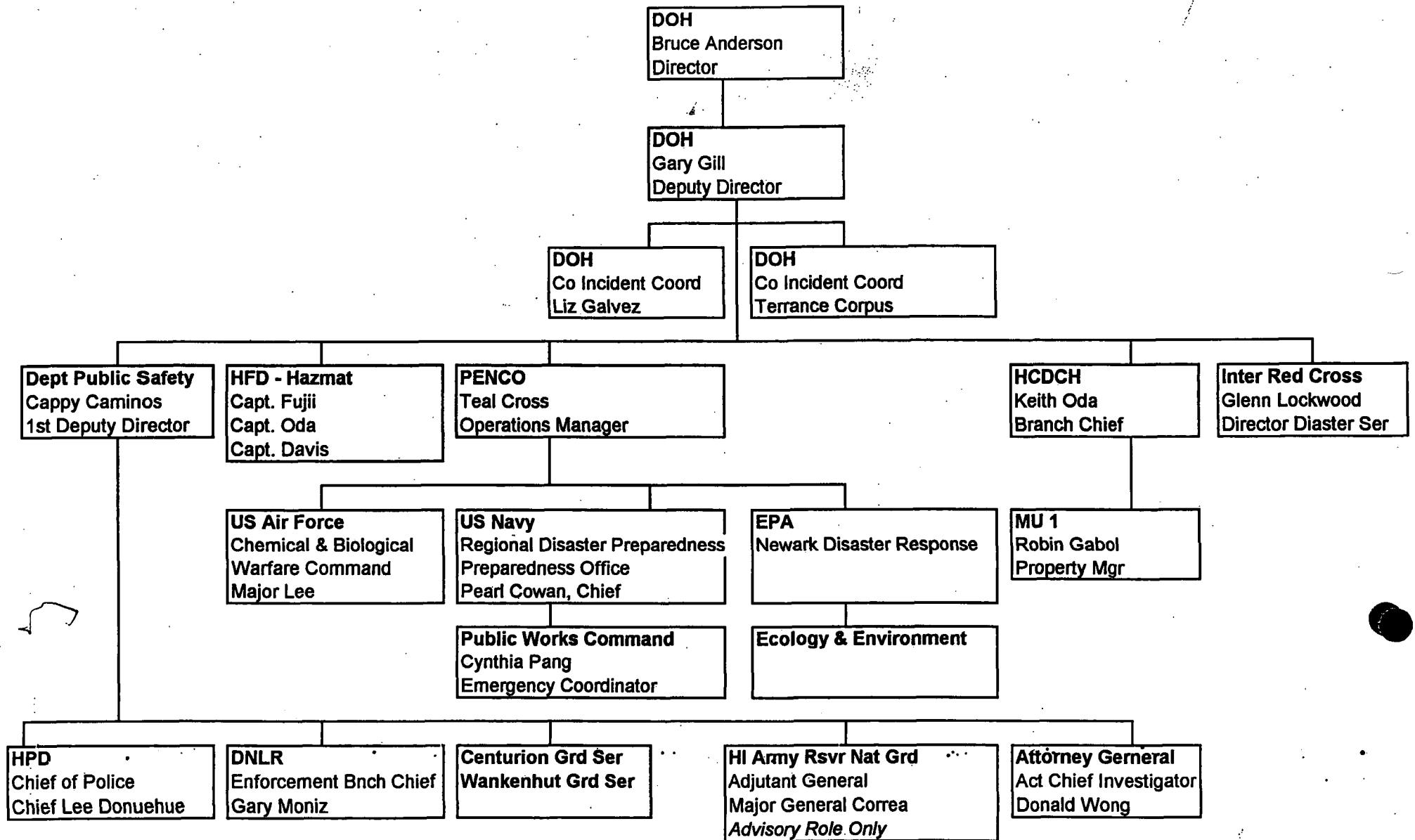
- - contain, no test
- - Temp Fencing
- ◐ - cleaned
- ◑ - vacate
- ☐ - ME MAILBOX

SITE PLAN
SCALE: 1/4" = 10'

Exterior
Interior

REPAIRS		DATE		BY	
DEPARTMENT OF HEALTH SERVICES HAWAII HOUSING AUTHORITY STATE OF HAWAII					
REPAIRS ESTIMATED & REPAIRED					
BUILDINGS AT RISK/NOT RISK/NOT RISK					
DATE PAID, DATE OF INSPECTION					
E. MATTHEWS & ASSOCIATES					
NO. OF BLDGS	NO. OF UNITS	NO. OF UNITS	NO. OF UNITS	NO. OF UNITS	NO. OF UNITS
1	1	1	1	1	1
					A:2
SCALE: 1/4" = 10'					

Puuwai Momi Mercury Contamination Command and Control



Information Update: Mercury Exposure

Prepared for residents of Puuwai Momi housing by the State of Hawaii Department of Health



The Situation

The DOH, Police and Fire officials are working to contain and clean up mercury contamination in the Puuwai Momi, Halawa Housing area. The contamination was caused by children playing with the mercury in the housing complex. The mercury was found in an old Aiea pumping station near Richardson Field.

What is mercury?

Elemental mercury is an odorless, silvery, liquid metal. If you find the substance, notify personnel on site for pick up and proper disposal.

What are the dangers of mercury exposure?

When swallowed, elemental mercury is not absorbed from the stomach and will not cause poisoning in a healthy person. In a healthy person, the swallowed mercury will be eliminated without causing symptoms.

Breathing mercury vapors can cause illness. To get sick, a person would have to breath a large amount all at once or a little over many days. A small, one-time exposure is not likely to cause problems.

Symptoms, which may appear within a few hours of vapor exposure, include weakness, chills, metallic taste, nausea, vomiting, abdominal pain, diarrhea, headache, confusion, visual disturbances, cough, and chest tightness. Long term exposure (repeated or prolonged exposure to mercury liquid or vapor) causes effects that develop gradually, including: fine shaking of the hands, eyelids, lips, tongue, or jaw, personality change, loss of memory, and intellectual deterioration.

What should I do if I or my family handled the mercury?

If you or your family do not appear sick, it is not necessary to seek medical attention at this time. For questions about mercury poisoning and mercury related illness call 586-4586.

Urine testing for mercury is being provided to residents at the Makalapa Community Center until 7:00 p.m. today, the Halawa Rec. Center shelter until 5:00 p.m. today, and within the Puuwai Momi housing grounds. Testing is free and results will take 5-7 days.

What is being done to the apartments?

Mercury contamination includes the spilling of metallic mercury on clothes, furniture, carpet, floors, walls, the ground, and even the human body. Metallic mercury and its vapors are extremely difficult to remove from such items. The vapors will also accumulate in walls and other structures in contaminated rooms. The contamination can remain for months or years, posing a risk to exposed individuals. The DOH is working on a thorough assessment and clean up of the contamination which requires specialized equipment and extensive work.

When can I return to my home?

To enter or leave the apartments you must check in with the Red Cross at the entrance gate. Residents entering or leaving will be screened and given protective footwear. All residents will be escorted to and from their units. Movement is being controlled to stop any further spread of mercury contamination.

Contact phone numbers:

Shelter needs, transportation, entrance into units - American Red Cross report to entry gate near bldg. #5
Mercury related illness/urine testing - Dept. of Health 586-4586
Clean up of mercury from units - Dept. of Health 586-4249
Housing Management Hotline - HCDCH 483-2550



STATE OF HAWAII
DEPARTMENT OF HEALTH
P. O. BOX 3378
HONOLULU, HAWAII 96801

In reply, please refer to:
HEER OFFICE

May 21, 2001

LEPC Chairs:

At the HSERC meeting held on May 18, 2001, the TIER II funds in the amount of \$53,342 that is presently available to the LEPCs has been approved by the HSERC members to be dispersed in the following manner: a base of \$5,000 and the balance on the percentage of TIER II funds collected in each emergency planning district for the 1999 calendar year. The following is the distribution to the nearest dollar:

Honolulu $\$5,000 + .43(\$33,342) = \$5,000 + \$14,337 = \$19,337$

Hawaii $\$5,000 + .28(\$33,342) = \$5,000 + \$9,337 = \$14,336$

Maui $\$5,000 + .17(\$33,342) = \$5,000 + \$5,668 = \$10,668$

Kauai $\$5,000 + .12(\$33,342) = \$5,000 + \$4,001 = \$9,001$

If there is any additional distribution of funds, it shall be approved by the HSERC members.

Please invoice the HEER Office in July 2001 for your respective LEPC funds. The invoices shall not be dated prior to July 2001 and cannot be processed until the start of the new fiscal year.

One of the requirements of the LEPC is to have quarterly meetings. Please send in a tentative schedule of your FY 01-02 quarterly meetings to the HEER Office. This is to assist us in our scheduling and a request by the legislature.

If you have any questions, you may call me at (808) 586-4694.

Sincerely,

A handwritten signature in cursive script that reads "Denis M. Shimamoto".

Denis M. Shimamoto
HSERC Coordinator



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

**UPDATE FOR HAWAI'I STATE EMERGENCY RESPONSE COMMISSION
MEETING ON MAY 18, 2001**

Four-Day Hazmat Field Exercise Class for August 13-16, 2001

EPA is co-sponsoring a four-day field hazmat exercise design course in Honolulu scheduled for Monday, August 13 through Thursday, August 16, 2001. This will be a follow-up course to the two-day table-top hazmat exercise design class held last summer in preparation for last September's modified CHER-CAP (Comprehensive Hazmat Emergency Response Capability Assessment Program) exercise held on Maui.

EPA To Award the HSERC / HDOH \$10,000 for NASTTPO 2002

EPA is expected to award the Hawai'i SERC and the Hawai'i Department of Health \$10,000 in its Superfund Core grant by this October to be used for financial assistance with the NASTTPO 2002 conference next April in Honolulu. The funds will be split between conference registration materials/assistance and sponsorship of the Abbottsville tabletop exercises at the conference.

New EPA Fact Sheets for SERCs / LEPC Members / Others:
(available on EPA's website at: www.epa.gov/swercepp)

Tier II Submit (dated April 2001 - incorrectly dated April 2000)

Tier II Submit is the free personal computer software being developed by EPA and NOAA for use by facilities in submitting EPCRA Tier II reports in states where this software meets state reporting requirements.

Safe Storage and Handling of Swimming Pool Chemicals (March 2001)

Work With Your Local Fire Department to Enhance Community Safety:
The Cary Company (April 2001)

How to Improve Safe Handling of Chemical Products: Sartomer Company, Exton, Pennsylvania (May 2001)

The Lubrizol Corporation: New Chemicals Issues Assessment (May 2001)

LEPCs and Deliberate Releases:

Addressing Terrorist Activities in the Local Emergency Plan

(to be revised and distributed May 2001)

This fact sheet underwent some minor changes in early May based upon the new counter-terrorism program focus for FEMA under the George W. Bush Administration.

EPA Alert: The Energy Crisis, Rolling Blackouts and Chemical Releases (May/June 2001)

Based upon an EPA conference call this week and a request from EPA Region 9 and California, a new alert is expected to be written and released soon by EPA Headquarters to bring attention to chemical facilities that may suffer shutdowns and possible chemical releases because of the energy crisis and rolling blackouts this summer on the West Coast.

EPA Region 9 Nominates Honolulu LEPC for the 2001 Community Award for Chemical Safety

A prestigious award is given each year to community groups that have exhibited excellence in fostering chemical safety awareness within their organizations, business communities, and the general public. This Community Award for Chemical Safety is presented by the Chemical Educational Foundation. EPA Region 9 nominated the Honolulu LEPC for the 2001 Community Award for Chemical Safety.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

**UPDATE FOR HAWAI'I STATE EMERGENCY RESPONSE COMMISSION
MEETING ON MAY 18, 2001**

Four-Day Hazmat Field Exercise Class for August 13-16, 2001

EPA is co-sponsoring a four-day field hazmat exercise design course in Honolulu scheduled for Monday, August 13 through Thursday, August 16, 2001. This will be a follow-up course to the two-day table-top hazmat exercise design class held last summer in preparation for last September's modified CHER-CAP (Comprehensive Hazmat Emergency Response Capability Assessment Program) exercise held on Maui.

EPA To Award the HSERC / HDOH \$10,000 for NASTTPO 2002

EPA is expected to award the Hawai'i SERC and the Hawai'i Department of Health \$10,000 in its Superfund Core grant by this October to be used for financial assistance with the NASTTPO 2002 conference next April in Honolulu. The funds will be split between conference registration materials/assistance and sponsorship of the Abbottsville tabletop exercises at the conference.

New EPA Fact Sheets for SERCs / LEPC Members / Others:

(available on EPA's website at: www.epa.gov/swercepp)

Tier II Submit (dated April 2001 - incorrectly dated April 2000)

Tier II Submit is the free personal computer software being developed by EPA and NOAA for use by facilities in submitting EPCRA Tier II reports in states where this software meets state reporting requirements.

Safe Storage and Handling of Swimming Pool Chemicals (March 2001)

**Work With Your Local Fire Department to Enhance Community Safety:
The Cary Company** (April 2001)

**How to Improve Safe Handling of Chemical Products: Sartomer
Company, Exton, Pennsylvania** (May 2001)

The Lubrizol Corporation: New Chemicals Issues Assessment (May 2001)

LEPCs and Deliberate Releases:

Addressing Terrorist Activities in the Local Emergency Plan

(to be revised and distributed May 2001)

This fact sheet underwent some minor changes in early May based upon the new counter-terrorism program focus for FEMA under the George W. Bush Administration.

EPA Alert: The Energy Crisis, Rolling Blackouts and Chemical Releases (May/June 2001)

Based upon an EPA conference call this week and a request from EPA Region 9 and California, a new alert is expected to be written and released soon by EPA Headquarters to bring attention to chemical facilities that may suffer shutdowns and possible chemical releases because of the energy crisis and rolling blackouts this summer on the West Coast.

EPA Region 9 Nominates Honolulu LEPC for the 2001 Community Award for Chemical Safety

A prestigious award is given each year to community groups that have exhibited excellence in fostering chemical safety awareness within their organizations, business communities, and the general public. This Community Award for Chemical Safety is presented by the Chemical Educational Foundation. EPA Region 9 nominated the Honolulu LEPC for the 2001 Community Award for Chemical Safety.



THE LUBRIZOL CORPORATION:

New Chemicals Issues Assessment

The Chemical Safety Network is designed to share successful practices in implementation, risk communication, and data use. The projects detailed in the Chemical Safety Network are easily reproducible, low cost and promote partnership-building in the community. This factsheet does not provide extensive information about a project. Rather, it is intended to help stakeholders generate ideas, identify tools and pinpoint funding sources for accident preparedness and prevention initiatives.

Program Overview

Lubrizol has developed and implemented a program called the New Chemicals Issues Assessment (NCIA). This assessment has helped bring a more consistent and formal review of the environmental, health, and safety (EHS) issues associated with new chemicals early in the development cycle.

NCIA Features

1. Formal and easy risk analysis process
2. Assessment of manufacturing operability issues in all phases of development
3. Initial analysis is performed by the research chemist and development engineer
4. Economic impact of EHS issues is incorporated in commercial decision-making
5. Updated analysis is conducted with the manufacturing engineer at the "commit to commercialization" stage

The adoption of this system has led to more efficient, less complex and inherently safer products and processes. Instead of addressing EHS issues after new products and processes have been commercialized, it is more effective to do so early in the research and development phase.

Safety, Health, and Environmental

Lubrizol has successfully used this process to replace some raw materials with less hazardous materials, reduce volumes of waste streams, improve product quality and process control, and improve yields. The NCIA process has also helped enhance the quality of information available for the decision to commercialize a product, including risk to employees, customers, the public and the environment.



CHEMICAL SAFETY
NETWORK

Implementation

Implementing the process went more smoothly than anticipated because it was beneficial for everyone involved.

- Manufacturing personnel support NCIA because it helps ensure that material and process issues that would cause manufacturing difficulties are addressed during development.
- Process development engineers support NCIA because it helps them obtain a more complete understanding of the material and process issues at the beginning of project, leading to better processes in less time.
- Research chemists support NCIA because it gives their research a better chance of being commercialized.
- Research management and business groups support NCIA because it helps reduce the time and cost to develop processes for new chemicals.

Tips for smaller businesses

Using an effective and well-established process to address new chemical issues prevents errors by inexperienced personnel. This can be especially beneficial in smaller organizations where there are few experienced personnel available to closely supervise newer employees.

Combining safety, health, environmental, and operability issues into a single assessment process reduces duplication of effort.

Decisions to cancel projects with obvious safety, health, regulatory, or processing problems may be made earlier, thereby redirecting resources to more attractive projects.

For more information contact.....

Name: Brian Cunningham, Research Manager
Organization: The Lubrizol Corporation
Address: 29400 Lakeland Blvd., Wickliffe, OH 44092-2298
E-mail: brc@lubrizol.com
Phone: (440) 347-2823

Additional copies of this and other publications in the Chemical Safety Network series are available from:

National Service Center for Environmental Publications
Phone: (800) 490-9198
Fax: (513) 489-8695
Email: ncepi.mail@epamail.epa.gov

or you can download an electronic copy from the Chemical Emergency Preparedness and Prevention Office's web site on the Internet at <http://www.epa.gov/ceppo>.



United States
Environmental Protection
Agency

Office of Solid Waste
and Emergency Response
(5104)

EPA 550-F-01-004
April 2001
www.epa.gov/ceppo

FACTSHEET: Tier II Submit

What is Tier II Submit?

Tier II Submit is the free personal computer software being developed by EPA and NOAA for use by facilities in submitting Tier II reports in states where this software meets state reporting requirements. Tier II reports required under the Emergency Planning and Community Right to Know Act (EPCRA) provide information to state and local officials and the public with specific information on certain chemicals that are present at facilities during the previous calendar year.

Tier II Submit will:

- contain all of the data elements required by federal EPA regulations, optional data elements which are commonly required by states, and also blank data fields to accommodate additional data elements required by individual states
- help facilities avoid common reporting errors by verifying that all required data elements are completed
- allow facilities to correct errors prior to submission
- work on most PCs, yet have the capacity to enter multiple facilities for a company and enter numerous chemicals for each
- have the ability to copy a report from the previous year
- work seamlessly with CAMEO
- replace Tier II for Windows, currently distributed by EPA.

Have states been consulted about this new software?

The National Governor's Association (NGA) hosted an Electronic Tier II Reporting System Forum on January 31, 2001 to assist EPA in addressing issues related to electronic reporting. Participants included representatives from Massachusetts, Michigan, Wisconsin, Iowa, Missouri, Oklahoma, Arizona and Washington. Discussion explored the feasibility of both web-based and PC-based systems. All agreed that any new system should be highly compatible with CAMEO and other popular databases.

What about states that already have an electronic submission system in place?

Tier II submit is not a mandatory reporting tool. Rather, each state will continue to specify the reporting format requires for reporting. EPA will provide/link to information on the CEPPO website about individual state reporting requirements. However, Tier II submit can be used by states to complement their systems.

When will Tier II Submit be available?

EPA and NOAA are working to make the software available December, 2001, so facilities can use it to submit reports due on March 1, 2002. States will want to know about progress along the way so they can adjust their reporting packages. EPA will use its List Serve and the CEPPO website (www.epa.gov/ceppo) to keep everyone informed.



How to Improve Safe Handling of Chemical Products: Sartomer Company, Exton, Pennsylvania

The Chemical Safety Network is designed to share successful practices in implementation, risk communication, and data use. The projects detailed in the Chemical Safety Network are easily reproducible, low cost and promote partnership-building in the community. This fact sheet does not provide extensive information about a project. Rather, it is intended to help stakeholders generate ideas, identify tools and pinpoint funding sources for accident preparedness and prevention initiatives.

Program Overview

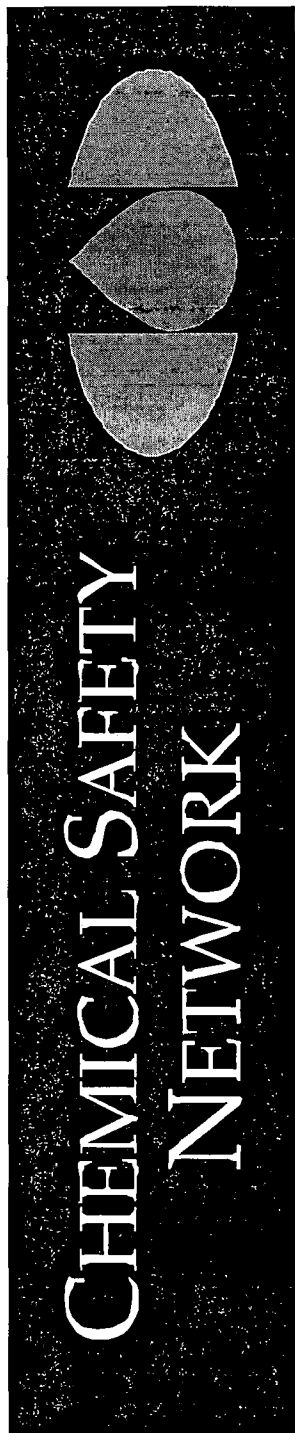
The proper handling of chemicals during their entire life-cycle, product stewardship, is key to chemical safety. Sartomer assesses a new or potential customer's or distributor's ability to handle hazardous products safely by reviewing their environmental, health and safety (EHS) practices and, if warranted, making recommendations for improvements. These reviews are conducted by sales personnel who prioritize customer visits based on the hazard of the product(s) purchased and the types of safety and environmental programs implemented by the customer.

Hazard Evaluation

Sartomer evaluates the overall hazard of its products by using a numerical rating system. Rankings are based on each product's acute health hazard, flammability hazard, reactivity hazard, chronic health hazard, and carcinogenicity hazard. "Category A" products, the products with the highest overall hazard, are considered first when prioritizing customer reviews. For example, customers that use or purchase "category A" products would go to the top of the evaluation list. Customers that participate in an industry-sponsored safety program would be given a lower priority on the evaluation schedule.

Customer Relations

Sartomer maintains a relationship with its customers and distributors by following a philosophy of "cradle-to-grave" product stewardship or product responsibility. Distributors are considered an extension of the Sartomer sales force and receive health, safety and environmental information and training on Sartomer products. Sartomer also maintains a relationship with its distributors' customers as part of the commitment to product stewardship.



In addition, some Sartomer customers receive health, safety and environmental training at their site or at Sartomer headquarters. Sartomer personnel address specific customer questions or issues regarding the safety or environmental aspects of products. Sartomer's product stewards ensure that all customer issues are resolved.

Challenges

One challenge was to ensure that the product stewardship principles were adopted throughout the company, not just by the EH&S department. Sartomer resolved this challenge by designating business managers as product stewards and incorporating product stewardship responsibilities into various job functions throughout the company (e.g., sales, marketing, purchasing).

Sales and marketing personnel now include product safety in their discussions with customers and consider product safety issues when evaluating customers. Quarterly reviews between sales personnel and distributors now include EH&S/product safety as a key topic.

Tips

- Allow all functions of your business to provide input at the beginning of a product stewardship program so they will "buy into" the process.
- Integrate the new program into existing systems to avoid complexity and to gain wider acceptance and implementation of the program.
- This customer/distributor program is something any company, including small businesses, can adopt if the company is willing and prepared to implement product stewardship throughout the organization.

For more information contact.....

Name: Joann Cortese, Manager of Environmental, Health, and Safety
Organization: Sartomer Company
Address: 502 Thomas Jones Way, Exton, PA 19341
E-mail: cortese@sartomer.com
Phone: (610) 344-2133

Additional copies of this and other publications in the Chemical Safety Network series are available from:

National Service Center for Environmental Publications
Phone: (800) 490-9198
Fax: (513) 489-8695
Email: ncepi.mail@epamail.epa.gov

or you can download an electronic copy from the Chemical Emergency Preparedness and Prevention Office's web site on the Internet at <http://www.epa.gov/ceppo>.



Work with your Local Fire Department to Enhance Community Safety:

The Cary Company

The Chemical Safety Network is designed to share successful practices in implementation, risk communication, and data use. The projects detailed in the Chemical Safety Network are easily reproducible, low cost and promote partnership-building in the community. This factsheet does not provide extensive information about a project. Rather, it is intended to help stakeholders generate ideas, identify tools and pinpoint funding sources for accident preparedness and prevention initiatives.

Project Overview

The Cary Company stores and distributes chemicals and other products to facilities that use or make paint and coatings, printing ink, plastics, and rubber. Some of the chemicals stored onsite include resins, driers, liquid latex, pigments and extenders. The company has 45 employees and has not had any previous chemical incidents.

When the Cary Company decided to add a 140,000 square foot building at their Addison, Illinois, warehousing facility, company officials immediately turned to the local fire department for help. The partnership was beneficial to both groups: the Addison Fire Department learned more about warehouse operations, which helps them prepare to respond should an accident occur; and the Cary Company would benefit as fire codes would be strictly adhered to during the design and building phases of the project. The project was beneficial to the town of 32,000 individuals through the enhancement of fire safety.

Challenges

National Fire Protection Association code allows various options when designing a chemical distribution warehouse. However the designer must make certain that the design conforms to the applicable standards. There were many issues that factored into the design of the Hazardous Materials room. The HAZMAT room was designed to safely store hazardous and flammable materials. This was done correctly through steady coordination between

CHEMICAL SAFETY
NETWORK

designers, the Cary Company and the fire department. In the HAZMAT room there are two sprinkler systems, a foam suppression system and an early suppression system which is designed to spray twice the amount of water a normal fire protection sprinkler yields. In addition to the sprinkler systems the HAZMAT room was constructed with a dyke to contain any spills within the room.

The Cary Company had to be sure they met their own needs while following the NFPA code in the design, to ensure the highest level of safety.

When the Cary Company built their new facility much of the equipment was designed to exceed fire code requirements to insure protection for personnel and property. The warehouse is equipped with heat sensors, 11 hose stations, 54 fire extinguishers, and a fire protection room. The fire protection room is self-contained with a dedicated alarm, phone line and electrical circuits.

The Addison Fire Department keeps a key to the fire protection room so emergency responders have 24-hour access to: Material Safety Data sheets, maps showing electrical power switches and emergency contact phone numbers. Although, the Cary Company has not had any previous accidents the company still considers that this project has reduced the likelihood of accidents. The company's main concern is safety. Accidents may happen, but the design of this HAZMAT room allows any accidental releases or fires to be dealt with quickly, thereby reducing the potential for any injuries or off-site releases.

Continuing Partnerships

The partnership between the facility and the local fire department has continued to enhance community safety and improve fire service training activities. New fire service recruits visit the warehousing operation routinely to learn about the chemicals that are stored, see what protection measures are in place, and familiarize themselves about the hazards of warehouse operations.

The Cary Company donated \$2,000 to the fire department to buy a special hazardous materials cart. The HAZMAT cart has communications equipment and is equipped to repair holes in storage containers, decontaminate and remediate.

Company employees participate in fire department training to learn more about the safe handling of hazardous materials. The facility is also working with other local businesses that are planning building additions to educate them about fire codes and other fire safety issues.

Cost Savings

The partnership helped to trim the company's bottom line by tackling design flaws early on. Company officials estimate that \$100,000 was saved by forming this partnership.

Tips

Companies should support and cooperate with the local fire department to ensure compliance with fire codes and fire safety programs. Companies should share emergency response needs with the fire department to build consensus, prepare firefighters, and ensure the company's and community's safety.

For more information contact.....

Name: David Meehan
Organization: The Cary Company
Address: 1195 West Fullerton Ave, Addison, IL 60101
E-mail: davemeehan@mindspring.com
Phone: (603) 629-6600

Additional copies of this and other publications in the Chemical Safety Network series are available from:

National Service Center for Environmental Publications
Phone: (800) 490-9198
Fax: (513) 489-8695
Email: ncepi.mail@epamail.epa.gov

or you can download an electronic copy from the Chemical Emergency Preparedness and Prevention Office's web site on the Internet at <http://www.epa.gov/ceppo>.



Safe Storage and Handling of Swimming Pool Chemicals

The Environmental Protection Agency (EPA) is issuing this *Alert* as part of its ongoing effort to protect human health and the environment by preventing chemical accidents. We are striving to learn the causes and contributing factors associated with chemical accidents and to prevent their recurrence. Major chemical accidents cannot be prevented solely through regulatory requirements. Rather, understanding the fundamental root causes, widely disseminating the lessons learned, and integrating these lessons into safe operations are also required. EPA publishes *Alerts* to increase awareness of possible hazards. It is important that facilities, State Emergency Response Commissions (SERCs), Local Emergency Planning Committees (LEPCs), emergency responders, and others review this information and take appropriate steps to minimize risk. This document does not substitute for EPA's regulations, nor is it a regulation itself. It cannot and does not impose legally binding requirements on EPA, states, or the regulated community, and the measures it describes may not apply to a particular situation based upon the circumstances. This guidance does not represent final agency action and may change in the future, as appropriate.

Problem

Pool chemicals may become a hazard when they become wetted by a small quantity of water or when they are improperly mixed, such as with other chemicals or reactive materials. Although the potential hazards of swimming pool water treatment and maintenance chemicals, also referred to as "pool chemicals," have been recognized for some time, news media reports over the last five years still show a significant number of fires, toxic vapor releases, and personnel injuries in which pool chemicals were a factor (See Table 1).

A number of the pool chemicals, especially those exhibiting oxidation properties, can potentially be highly reactive and capable of generating high temperatures, as well as releasing toxic vapors if improperly handled or stored. Reactivity may be triggered by water wetting the chemical, or by the inadvertent mixing of a pool chemical with an incompatible material. Some pool chemicals are self-reactive over time, even without moisture addition or mixing with other materials. The products of this decomposition may include chlorine gas which may cause the corrosion of piping and other metal equipment in poorly ventilated areas. These chemicals are

packaged in "breathable" containers to avoid pressure buildup while in storage. A partial listing of pool chemicals includes chlorinated isocyanurates, lithium hypochlorite, sodium bicarbonate, potassium monopersulfate, hydrogen peroxide, sodium hypochlorite, calcium hypochlorite, and certain ammonium, brominated, copper and silver compounds, and muriatic acid. Pool chemicals involved in fire or toxic vapor release are likely to include those that add chlorine or a chlorine ion to the pool water for bacterial control. Chemicals that release chlorine are among the group of chemicals that are classified as *oxidizers*. These pool oxidizer chemicals include calcium hypochlorite, sodium hypochlorite, and chlorinated isocyanurates. Other pool chemicals are used to control the growth of algae or fungus, to adjust the acidity or alkalinity (pH control), and to clarify pool water.

Large, nonresidential pools may use chlorine stored as a liquid under pressure in metal containers. The Chlorine Institute, Inc. and the Occupational Safety and Health Administration (OSHA) provide guidance on the operation of pressurized chlorine systems (see **Information Resources** section of this *Alert*).

Hazard Triggers

The purpose of this *Alert* is to provide guidance associated with normal operating conditions and routine tasks for storage and handling of pool chemicals. It does not address the precautions to be taken by first responders in case of a fire, a large spill, or the release of toxic vapors.

Wetting: Under normal circumstances, pool chemicals are intended to be added to large quantities of water. If, instead, a limited volume (amount) of water is added to a chemical, an unwanted reaction may occur, resulting in an increase in temperature and the release of toxic gas. Even a small amount of water splashed on the chemical may in some cases trigger a strong reaction. The main exception to this rule concerning water addition is when very large quantities of water are needed for fire fighting, as discussed below. Although the chemicals are usually packaged in plastic bags that are stored in sturdy cartons or drums, accidents have occurred when water leaked into damaged or open containers.

Possible sources of water entry have been traced to:

- Rain water from a roof leak or from an open or broken window;
- Wet floor when the stored chemicals were not elevated off the floor;
- Leakage from fire suppression sprinkler system; or
- Hose-down water generated during area cleanup.

There are other sources of water that may come in contact with pool chemical packages, including high humidity in summer weather. However, the effects of humidity are more likely to be slow-acting, with the rate of temperature buildup and chlorine gas release being less severe.

Chlorine is corrosive to metals such as steel and copper. Instances have been reported where exposed water piping has become corroded causing leaks, and also where metal storage shelves have corroded and collapsed, leading to chemical spillage.

Improper Mixing: The most common pool chemicals are inherently incompatible with each other. Intentional or accidental mixing of incompatible chemicals is likely to lead to a chemical reaction that may generate temperatures high enough to ignite nearby combustible materials. Mixing can also lead to the release of highly toxic and corrosive chlorine gas. Reactions have also been traced to the mixing of old (partially

decomposed) and new chemicals of the same type. The mixing of pool chemicals with completely unrelated materials such as swept material from the floor, oily rags, and other miscellaneous materials have been known to cause strong reactions with the potential for a resulting fire.

Improper chemical mixing incidents have occurred when:

- Tools and equipment used to handle one chemical were used with a different chemical before being cleaned;
- Spilled substances (e.g., from damaged containers or from sloppy handling) and other miscellaneous substances on floors were swept up together and mixed; and
- Containers, residues, or wastes are disposed resulting in inadvertent mixing in disposal containers or at waste disposal sites.

Liquid chemicals, such as sodium hypochlorite (bleach), if spilled, can leak into other containers or seep into cracks in the floor. Liquids, because of their properties, can create hazards not associated with solid or granular products and must be carefully handled.

Hazard Control

Facility management is responsible for knowing and understanding the hazards associated with these chemicals and ensuring that pool chemicals are safely stored and handled. Hazardous substances are capable of being safely handled day-after-day through a management system that ensures that good, written procedures are prepared, posted, and followed by trained employees. Also, the facility needs to be properly designed and maintained. Finally, facility management should very carefully plan for emergencies and work with first responders to mitigate incidents that occur.

Recommendations for addressing the major hazards associated with pool chemicals are described below.

Keep Pool Chemicals Dry. Facility management should design and maintain designated areas for pool chemical storage so that water does not come in contact with containers or packaging.

Any evidence of potential water entry from the following possible sources should receive prompt corrective attention:

- Roof, windows, and doors;
- Wall and floor joints;
- Water pipes or hoses and sprinkler systems; and
- Drains.

You should look for ways to prevent water contact with stored pool chemicals such as:

- Close containers properly;
- Cover opened or damaged packaging;
- Store chemicals away from doors and windows;
- Ensure that there are no roof leaks, open or broken windows, or leaks from water pipes, hoses, or the sprinkler system;
- Ensure that floors are sloped to keep water drained away;
- Store chemicals on shelves or pallets to keep containers off the floor;
- Use waterproof covers on packaging;
- Exercise particular caution to prevent water contact with stored chemicals any time water is used for cleanup of floor areas near stored packages; and
- Ensure that water will not back up from faulty or clogged floor drains.

Avoid Chemical Mixing. You should conduct a review of chemical storage arrangements and chemical handling tasks to identify situations where chemicals could be intentionally or accidentally mixed:

- Separate incompatible substances; avoid storing containers of liquids above containers of other incompatible substances;
- Do not mix old chemicals with fresh chemical, even if they are the same type;
- Consider separate, designated tools for each chemical. Handle only one chemical at a time and make sure that tools used with one substance are not used with another unless all residues are removed;
- Use separate, designated containers for cleanup of spilled materials to avoid inadvertent mixing of spilled substances. Consult your local hazardous waste disposal facility for more detailed information on proper waste disposal; and
- Make chemical storage area housekeeping a priority. Don't allow rags, trash, debris, or other materials to clutter hazardous material storage area. Keep combustible and flammable substances away.

For storage and handling of large quantities, see the American Chemistry Council (formerly the Chemical Manufacturers Association) *Guidelines in the Safe Transportation, Handling, and Storage of Dry Chlorinated Pool Chemicals -2001* listed under the **Recommended Reading** section of this *Alert*, for guidance on stack height and separation of different chemical types and separation of oxidizers from combustibles.

Fire Prevention. Facility management should prevent a chemical reaction ignition by avoiding wetting or mixing chemicals as described above.

Avoid having combustible or flammable materials near the chemicals, particularly gasoline, oil, paint solvents, oily rags, etc. Do not allow ignition sources, such as gasoline, diesel, or gas powered equipment such as lawn mowers, motors, or welding machines, in the storage area. Also, do not allow smoking in the storage area. Review bulk storage, including packaging and storage locations, relative to potential for accidental contact with water, including sprinkler systems, rainwater, etc.

Emergency Response and Fire Fighting. Facility management should work with local first responders (fire departments, emergency medical teams) and the LEPC on emergency response and fire fighting. LEPC contact information can be found at the website listed in the **Other Useful Websites** section. The **Recommended Reading** section provides sources of information on fire prevention and fire fighting associated with pool chemicals.

Note also that once started, fires involving pool chemicals are difficult to attack. Keep in mind that:

- Do not use dry chemical or halon-type fire extinguishers where chlorine gas may be evolving. These agents react negatively with chlorine.
- In extinguishing a fire, only large volumes (copious flow) of water should be applied and then only by persons trained in chemical fire response. Caution must also be exercised to protect against wildlife damage due to contaminated water runoff.
- Large quantities of water should be applied to the burning combustibles to remove heat and for fire intensity control.
- Once started, the reaction of wetted or mixed chlorinated pool chemicals may continue generating heat, unless the material is cooled below its heat of reaction temperature or until all chlorine is used.

Protective Measures

Pool chemicals can cause injury if they directly contact a person's skin, eyes, or respiratory or digestive system. The chemical will immediately react when wetted by perspiration, tears, mucus, and saliva in the nose, throat, and respiratory and digestive systems. Such injuries may occur from direct chemical contact with the skin or if chemical dust in the air contacts eyes, is inhaled, or settles on food that is consumed.

Protect Employees from Exposure. Consult the chemical manufacturer's safety instructions as well as the Material Safety Data Sheets (MSDSs) for guidance on the appropriate personal protective equipment (PPE) necessary to protect your employees. Also, share MSDSs with local emergency medical responders and practitioners.

The following protective measures address conditions that may arise during normal operations or the execution of routine tasks. If, however, additional information is needed for fire, spill, or release intervention, we suggest that you contact the LEPC (see **Other Useful Websites**).

See that PPE is kept clean, in proper operating condition, and available for use when needed and that the following practices are observed:

Use basic PPE including, as a minimum, chemical goggles and liquid impervious gloves, and boots for any chemical handling activities.

For frequent or extended chemical handling activities, add a face shield and liquid impervious apron or coveralls to the basic PPE.

As a minimum, use a National Institute for Occupational Health and Safety (NIOSH) approved air-purifying respirator, when airborne chemical dust or mist may be present. 29 CFR 1910.134 Respiratory Protection covers the OSHA requirements for respiratory protection.

For additional information on proper selection and use of PPE, consult the OSHA regulatory standards.

In addition:

- Consider development of work practices to minimize dust generation and accidental contact with pool chemicals;

- Provide a means of ready access to water (e.g., safety showers, eye wash stations, etc.) for removal of chemicals that may accidentally contact employees;
- Consider appropriate first aid and coordinate with local first responders and medical professionals for treatment of accidental exposure until professional medical treatment can be provided;
- Avoid accidental ingestion by storing and consuming foods and beverages away from chemical storage and handling locations, and ensure that employees wash before eating, drinking, etc.; and post the numbers for the local emergency responders, and medical practitioners that are familiar with the appropriate treatment for the chemical present.

Information Resources

Recommended Reading

The American Chemistry Council has several guidelines:

Guidelines in the Safe Transportation, Handling, and Storage of Dry Chlorinated Pool Chemicals - 2001 combines and supercedes the 1995 editions of the Guidelines for Safe Handling and Storage of Calcium Hypochlorite and Chlorinated Isocyanurate Pool Chemicals and Guidelines for Safe Transportation of Calcium Hypochlorite and Chlorinated Isocyanurate Pool Chemicals. This publication discusses product nomenclature; incompatibilities, hazards, and characteristics; storage; processing guidelines; personal protective equipment; first aid; emergency procedures; handling minor spills; do's and don'ts and emergency telephone numbers. This very clear and comprehensive publication is also available from a number of Chlorinated Pool Chemical (CPC) Panel member companies. It is strongly recommended reading for those responsible for storage and handling of pool chemicals.

American Chemistry Council
1300 Wilson Boulevard
Arlington, VA 22209

Website: www.americanchemistry.com

The National Fire Protection Association (NFPA) has a bulletin for pool chemicals and a code for safe storage of liquid and solid oxidizers:

NFPA Alert Bulletin – Pool Chemicals – 1998, 4 pages – prepared for the fire services and others in order to raise their awareness of hazards created by pool chemicals stored in retail establishments. This *Alert* bulletin discusses two major fires where pool chemicals were stored. It also gives details concerning two types of fire suppression equipment that should not be used for fires where pool chemicals are involved.

NFPA 430, Code for the Storage of Liquid and Solid Oxidizers, 2000 edition – 16 pages. The 2000 edition was revised to include a section addressing storage and handling at retail stores. It provides a number of useful definitions including the definition of Class 3 Oxidizers which include most pool water treatment chemicals. NFPA 430 also points out the hazards associated with not only the use but also the presence of dry chemical or halon-type fire extinguishers in an area containing oxidizer-type chemicals. NFPA 430 also points out the ineffectiveness of any extinguishing system that relies upon a smothering effect since the oxidizer chemicals do not require air to maintain reaction.

National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02269-9101
Telephone: (617) 770-3000
Website: www.nfpa.org

The Chlorine Institute has several pamphlets of interest, including:

Sodium Hypochlorite Safety and Handling, Pamphlet 96, May 2000

The Chlorine Institute, Inc.
2001 L Street, NW.
Washington, D.C. 20036-4919
Telephone: (202) 775-2790
Website: www.cl2.com

The Canadian Transport Emergency Center, CANUTEC, has written an article in response to the calls received from individuals and fire departments requesting information on pool chemicals.

Swimming Pool Chemicals - revised September 1999 - by Jacques Savard, Ph.D. This paper covers spills, disposal, neutralization, and first aid. The

paper is available on CANUTEC's website and is particularly recommended reading.

CANUTEC
330 Sparks Street, Office 1401
Ottawa, Ontario, Canada K1A 0N5
Website:
www.tc.gc.ca/canutec/en/articles/documents/pool.htm

EPA's Chemical Emergency Preparedness and Prevention Office has previously written an advisory targeted at LEPC's concerning chemicals used at swimming pools that may release chlorine:

Advisory: Swimming Pool Chemicals: Chlorine, OSWER 90-008.1, June 1990. This publication is available from the EPA National Service Center for Environmental Publications (NSCEP).

U.S. EPA/NSCEP
P.O. Box 42419
Cincinnati, Ohio 45242-0419
Telephone: (800) 490-9198

Other Useful Websites

LEPC Database This database is a list of the LEPCs in each state, including where appropriate, links to state websites.
<http://www.epa.gov/ceppo/lepclist.htm>

Statutes and Regulations

In addition to the recommendations for improved hazard control, you may be subject to certain regulations. In particular, you need to determine whether the following regulations related to emergency planning, release reporting, and hazardous materials worker protection are applicable to your facility.

EPA

Emergency Planning & Community Right-to-Know

- Emergency Planning [40 CFR Part 355]- Facilities that have listed substances above a specified threshold quantity must report to their LEPC and SERC and comply with certain requirements for emergency planning.
- Emergency Release Notification [40 CFR Part 355]- Facilities that release listed chemicals over

reportable quantity must immediately report the release to the LEPC and the SERC.

- Hazardous Chemical Reporting [40 CFR Part 370]- Facilities that have listed chemicals at or above threshold quantity must submit MSDSs to their LEPC, SERC, and local fire department and comply with the Tier I/ Tier II inventory reporting requirements.
- Toxic Chemicals Release Inventory [40 CFR Part 372] - Manufacturing businesses with ten or more employees that manufacture, process, or otherwise use listed chemicals above an applicable threshold must file annually a Toxic Chemical Release form with EPA and the state.

Comprehensive Environmental Response, Compensation, and Liability Act

- Hazardous Substance Release Reporting [40 CFR Part 302]- Facilities must report to the National Response Center any environmental release which exceeds reportable quantities. A release may trigger a response by EPA, or by one or more Federal or state emergency response authorities.

OSHA

Hazardous Waste Operations and Emergency Response Standard [29 CFR 1910.120]- Facilities must comply with worker protection requirements for emergency response operations for release of, or substantial threats of release of, hazardous substances.

Process Safety Management Standard [29 CFR 1910]- Facilities with highly hazardous substances in quantities at or above a threshold quantity are subject to a number of requirements for management of hazards, including performing a process hazards analysis and maintaining mechanical integrity of equipment.

Hazard Communication [29 CFR 1910.1200]- Facilities are required to evaluate the potential hazards of toxic and hazardous chemicals. Employers transmit this information to their employees.

For additional information on OSHA standards contact OSHA Public Information at (202) 219-8151. Website: www.osha.gov

For More Information:

Contact the Emergency Planning and Community Right-to-Know Hotline

(800) 424-9346 or (703) 412-9810
TDD (800) 553-7672

Monday-Friday, 9 AM to 6PM, Eastern Time

Visit The CEPPPO Home Page on the World
Web at: <http://www.epa.gov/swercepp/>

Table 1 Recent Incidents Involving Swimming Pool Water Treatment Chemicals

Month Year	City State	Brief Description of Incident	Effect
February 2000	Elizabethtown, Tennessee	Fire and smoke from a storage facility that contained chemicals including swimming pool water treatment chemicals. The fire was in an area isolated from the pool chemicals, however particular precautions were taken to prevent the pool chemicals from becoming involved.	Local school closed early to relieve traffic congestion; local residents advised to remain indoors. No injuries reported.
October 1999	Avon, Indiana	Fumes released from container of a strong acid that was being used to clean a high school swimming pool.	School evacuated. No injuries reported.
August 1999	Burlington, New Jersey	A pallet containing 400 lbs of calcium hypochlorite spilled at a warehouse. The spill was caused by the corrosion of steel shelving on which the material was stored. The spilled material mixed with other incompatible materials, resulting in fire and release of products of combustion and decomposition including chlorine gas.	Five warehouse workers were hospitalized from the toxic gas exposure. Twenty-four others were treated and released.
August 1999	Bergen County, New Jersey	Granular chlorinating material, similar to that used for swimming pool water treatment, spilled while moving a container in a warehouse.	Released vapors sent 28 government workers to area hospitals.
July 1999	Richmond, Virginia	Chemical exploded as it was prepared for release into apartment complex pool.	One employee injured.
June 1999	Cleveland, Ohio	Toxic fumes released at local community center swimming pool, when pool water chemicals including muriatic acid were inadvertently mixed.	Two fire fighters and two others injured and area evacuated.
February 1999	Fort Worth, Texas	Fire, smoke and vapors released from large warehouse containing pool chemicals and other materials. The cause of the fire was not reported.	Warehouse destroyed. No injuries reported; residents told to remain indoors.
December 1998	Auburn, New Hampshire	Small explosion and vapors were released when about a cup of swimming pool chemical was improperly disposed of at a regional waste treatment station.	Four minor injuries. Waste treatment station shut down.
July 1998	Dayton, Ohio	Toxic cloud was generated when muriatic acid was inadvertently mixed with a chlorinator product at local community center swimming pool.	Nine people sent to the hospital.
June 1997	Watervleit, New York	Water leaking from sprinkler system wetted water reactive pool chemicals, starting fire at pool chemical storage, repackaging and distribution building. Smoke and chlorine gas released into building and area.	Nearby residents evacuated as a precautionary measure.
July 1996	Chatsworth, California	Fire and toxic vapor release at a swimming pool supply facility was attributed to improper mixing of muriatic acid and sodium hypochlorite (bleach).	Three people were injured and an eight-block area was closed to traffic.

Date sent: **Mon, 14 May 2001 14:37:13 -0700**
From: **Ardito.Michael@epamail.epa.gov**
Subject: **HSERC Meeting**
To: **dshimamoto@eha.health.state.hi.us**

I still need to do the EPA summary and handouts for this Friday's HSERC meeting. I plan to send out the master copies to you tomorrow by Fed Ex -- so you will receive by Thursday. I'll fax you a copy as well. (I wanted to get them done last week, but I've been in so many meetings lately -- with all the changes going on around here.)

Also, do not plan the next HSERC meeting to coordinate around my schedule. At this point, the dates of the next Oceania Regional Response Team meeting are up in the air! (The last I heard the Oceania RRT meeting would be August 21. It was originally scheduled for the week of Sept. 10, but now the US Coast Guard folks have to go to Beijing, China during that time! Go figure!)

I am still planning to be in Hawaii for the week of August 13 - 16 for the four-day field hazmat exercise design course.

Date sent: Tue, 15 May 2001 18:07:24 -0700
From: Ardito.Michael@epamail.epa.gov
Subject: CEPP Grant Funds
To: pnagatani@eha.health.state.hi.us, dshimamoto@eha.health.state.hi.us, kkawaoka@eha.health.state.hi.us, cmartin@eha.health.state.hi.us, bekimoto@eha.health.state.hi.us, cjung@scd.state.hi.us
Copies to: Barton.Dana@epamail.epa.gov

Tricia Nagatani, there will need to be an amended workplan for the HDOH Superfund Core grant for FY 2002. The EPA CEPP program is providing \$10,000 from the Superfund account by October 1, 2001 to help support the Hawaii SERC which is co-hosting the April 8-13, 2002 National Association of SARA Title Three Program Officials (NASTTPO) conference in Honolulu. EPA Region 9 is a co-sponsor.

I understand there needs to be a 25 percent soft match (in-kind services from HDOH) to promote these projects.

The funds will be used for the following items (draft language below):

Help pay for the Abbottsville table-top exercises on April 12-13, 2002: \$5,000.

Help pay for NASTTPO conference and registration assistance: print brochures, schedules, conference folders and handouts, nametags, other such items, rental of audio-visual equipment, and clerical assistance \$5,000.

In-kind HDOH contribution (time-labor/other projects) \$3,334.

If my math is correct, the total additional workplan budget with state soft match will be: \$13,334.

All of the above items can be discussed during the annual Hawaii grant negotiations to be held at EPA in San Francisco on June 26-28, 2001. Mahalo!

Date sent: Tue, 15 May 2001 17:06:32 -0700
From: Ardito.Michael@epamail.epa.gov
Subject: Salt Lake City
To: dshimamoto@eha.health.state.hi.us

Denis, I forgot to mention in my EPA update for the HSERC about the SERC chairs and/or coordinators meeting the third week of September in Salt Lake City, Utah. But then, I guess you and Gary Gill are the only ones who may be attending that meeting from Hawaii.

I do not know hardly any other details. You may know more than me. Did Gary receive a formal invitation yet?

Date sent: Tue, 15 May 2001 13:58:56 -0700
From: Ardito.Michael@epamail.epa.gov
Subject: RE: September ORRT Meeting - Honolulu
To: dshimamoto@eha.health.state.hi.us

FYI -- Tessa Badua-Larsen would like an HSERC meeting in August. Here is my response to her and the members of the Oceania Regional Response Team.

What about ^{HSERC} Friday, August 10 or Friday, August 24 for an HSERC meeting? You may want to contact Tessa Badua-Larsen about her August schedule at (415) 923-7185.

----- Forwarded by Michael Ardito/R9/USEPA/US on 05/15/2001 01:56 PM -----

Michael Ardito

To: "Badua-Larsen, Teresita"
<Teresita.Badua-Larsen@fema.gov>
05/15/2001 cc: Al Kang <akang@scd.state.hi.us>,
01:50 PM Sheila Wiegman <ASEPA@samoatelco.com>,
Barbara Goto
<barbara.goto@honolulu.osha.gov>, Bill
Nelson/R9/USEPA/US@EPA, Robert Brown
<bob.brown@gsa.gov>, Carl
Goldstein/R9/USEPA/US@EPA, Chip Demarest
<chip_demarest@ios.doi.gov>, Sharon
Christopherson
<christopherson@hazmat.noaa.gov>, Clem Jung
<cjung@scd.state.hi.us>, Curtis Martin
<cmartin@eha.health.state.hi.us>, Becky Cruz
Lizama <cruzlizama@saipan.com>, David
Chargualaf <david.chargualaf@saipan.com>,
Ignacio Cabrera <deq.director@saipan.com>,
Donn Zuroski/R9/USEPA/US@EPA, 'Dennis Orbus'
<dorbus@fs.fed.us>, "Lacey, Dorothy"
<Dorothy.Lacey@fema.gov>, Eileen Yoshinaka
<Eileen.Yoshinaka@hq.doe.gov>, Ed Teixeira
<eteixeira@scd.state.hi.us>, "Bacayo,
Frances LTJG" <FBacayo@D14.uscg.mil>, George
Cabrera <gcc1260@hotmail.com>, "Kanazawa,
Gilbert" <GKanazawa@D14.uscg.mil>, "Borders,
James" <JBorders@D14.uscg.mil>, Jim Blend
<jim.blend@shell.com.gu>, John Naughton
<john.naughton@noaa.gov>, John Walmsley

<jwalmsley@osophs.dhhs.gov>, Kathryn Lawrence/R9/USEPA/US@EPA, Kim Beasley <kimb@CleanIslands.com>, Margaret Dupree <margaret.dupree@noaa.gov>, Marty Anderson <marty_anderson@email.mobil.com>, Michael Feeley/R9/USEPA/US@EPA, Michael Molina <michael_molina@fws.gov>, Michelle Rogow/R9/USEPA/US@EPA, "Smith, Martin" <MLSmith@d11.uscg.mil>, "Smith, Martin" <MSmith@comdt.uscg.mil>, n451@guam.navy.mil, "Johnson, Neil" <Neil.Johnson@fema.gov>, Noel Enriquez <noel.enriquez@email.mobil.com>, Norm Lovelace/R9/USEPA/US@EPA, Pat Port <oepcsfn@aol.com>, Cynthia Y Pang <PangCY@hawaii.navy.mil>, "Patricio F. Romero" <pat.romero@rspa.dot.gov>, Robert Pavia <pavia@hazmat.noaa.gov>, "Carroll, Paula" <PCarroll@D14.uscg.mil>, "Jewell, Paul" <PJJewell@d11.uscg.mil>, Roy Chagi <rchagi00@hq.pacom.mil>, Robbie Rath <robbierath@msn.com>, Robert Curnyn <robert.j.curnyn@usace.army.mil>, Sefanaia Nawadra <sefanaian@sprep.org.ws>, "Glover, Scott" <SGlover@D14.uscg.mil>, Steve Calanog/R9/USEPA/US@EPA, "Badua-Larsen, Teresita" <Teresita.Badua-Larsen@fema.gov>, Timothy Lord <timothy.lord@usdoj.gov>, "Smith, Todd" <Todd.Smith@fema.gov>, "Rice, Terry" <TRice@D14.uscg.mil>, Warren Thomas <warren_d_thomas@email.mobil.com>, George Kimura <"george.m.kimura."@pod01.usace.army.mil>
Subject: RE: September ORRT Meeting - Honolulu(Document link: Michael Ardito)

Tessa, the four-day field hazmat exercise design course EPA is co-sponsoring is scheduled for Monday, August 13 thru Thursday, August 16. Friday, August 17 is a Hawaiian state holiday -- so we are unable to schedule any meetings on that day. (That is one of the reasons we were

looking at the following week of August 20 for an ORRT meeting in Honolulu.)

There will be a Hawaii State Emergency Response Commission (HSERC) meeting this Friday, May 18. I do not know if the next quarterly HSERC meeting has been scheduled yet. The meetings are usually scheduled for Fridays.

An August planning meeting for next year's National Association of SARA Title Three Program Officials (NASTTPO) has not been scheduled yet. (There is a planning meeting next week.) The actual NASTTPO conference in Honolulu is scheduled for August 8 - 12, 2002 at the Ala Moana Hotel.

Mike Ardito -- (415) 744-2328.

"Badua-Larsen,
Teresita" To: "Bacayo, Frances LTJG"
<Teresita.Badua-Larsen @fema.gov> <FBacayo@D14.uscg.mil>, Al Kang
<akang@scd.state.hi.us>, Clem Jung
<cjung@scd.state.hi.us>, David Chargualaf
05/15/2001 01:17 PM <david.chargualaf@saipan.com>, Donn
Zuroski/R9/USEPA/US@EPA, Ed Teixeira
<eteixeira@scd.state.hi.us>, Eileen Yoshinaka
<Eileen.Yoshinaka@hq.doe.gov>, George Kimura
<"george.m.kimura."@pod01.usace.army.mil>,
Kim Beasley <kimb@CleanIslands.com>, Michael
Molina <michael_molina@fws.gov>, Michelle
Rogow/R9/USEPA/US@EPA, Robbie Rath
<robbierath@msn.com>, Robert Curnyn
<robert.j.curnyn@usace.army.mil>, Roy Chagi
<rchagi00@hq.pacom.mil>, "Smith, Martin"
<MLSmith@d11.uscg.mil>, Steve
Calanog/R9/USEPA/US@EPA, Warren Thomas
<warren_d_thomas@email.mobil.com>, Barbara
Goto <barbara.goto@honolulu.osha.gov>, Becky
Cruz Lizama <cruzlizama@saipan.com>, Bill
Nelson/R9/USEPA/US@EPA, "Borders, James"
<JBorders@D14.uscg.mil>, Carl
Goldstein/R9/USEPA/US@EPA, "Carroll, Paula"
<PCarroll@D14.uscg.mil>, Chip Demarest

<chip_demarest@ios.doi.gov>, Curtis Martin
<cmartin@eha.health.state.hi.us>, Cynthia Y
Pang <PangCY@hawaii.navy.mil>, 'Dennis Orbus'
<dorbus@fs.fed.us>, "Lacey, Dorothy"
<Dorothy.Lacey@fema.gov>, George Cabrera
<gcc1260@hotmail.com>, "Glover, Scott"
<SGlover@D14.uscg.mil>, Ignacio Cabrera
<deq.director@saipan.com>, "Jewell, Paul"
<PJJewell@d11.uscg.mil>, Jim Blend
<jim.blend@shell.com.gu>, John Naughton
<john.naughton@noaa.gov>, John Walmsley
<jwalmsley@osophs.dhhs.gov>, "Kanazawa,
Gilbert" <GKanazawa@D14.uscg.mil>, Kathryn
Lawrence/R9/USEPA/US@EPA, Margaret Dupree
<margaret.dupree@noaa.gov>, Marty Anderson
<marty_anderson@email.mobil.com>, Michael
Ardito/R9/USEPA/US@EPA, Michael
Feeley/R9/USEPA/US@EPA, n451@guam.navy.mil,
"Johnson, Neil" <Neil.Johnson@fema.gov>, Noel
Enriquez <noel.enriquez@email.mobil.com>,
Norm Lovelace/R9/USEPA/US@EPA, Pat Port
<oepcsfn@aol.com>, "Patricio F. Romero"
<pat.romero@rspa.dot.gov>, "Rice, Terry"
<TRice@D14.uscg.mil>, Robert Brown
<bob.brown@gsa.gov>, Robert Pavia
<pavia@hazmat.noaa.gov>, Sefanaia Nawadra
<sefanaian@sprep.org.ws>, Sharon
Christopherson
<christopherson@hazmat.noaa.gov>, Sheila
Wiegman <ASEPA@samoatelco.com>, "Smith,
Martin" <MSmith@comdt.uscg.mil>,
"Badua-Larsen, Teresita"
<Teresita.Badua-Larsen@fema.gov>, Timothy
Lord <timothy.lord@usdoj.gov>
cc: "Smith, Todd" <Todd.Smith@fema.gov>
Subject: RE: September ORRT Meeting -
Honolulu

Francis,
The August timeframe is probably better than September because there is just too much end of year activities. The only request I have is if the date can be moved a week ahead (week of 13th) so that I can also participate, in part, with the "CHER-CAP" Exercise Design course sponsored by EPA.

Mike Ardito, will there be a SERC meeting in August? If so, can we influence them to do it on Aug 16th? . . . and probably have an update on the NASTTPO FY2002?

Tessa B. Badua - Larsen
HazMat Program Manager
415-923-7185 phone
415-923-7214 fax
email: teresita.badua-larsen@fema.gov

-----Original Message-----

From: Bacayo, Frances LTJG [mailto:FBacayo@D14.uscg.mil]
Sent: Tuesday, May 15, 2001 11:49 AM
To: Al Kang; Clem Jung; David Chargualaf; Donn Zuroski; Ed Teixeira; Eileen Yoshinaka; George Kimura; Kim Beasley; Michael Molina; Michelle Rogow; Robbie Rath; Robert Curnyn; Roy Chagi; Smith, Martin; Steve Calanog; Warren Thomas; Barbara Goto; Becky Cruz Lizama; 'Bill Nelson'; Borders, James; 'Carl Goldstein'; Carroll, Paula; Chip Demarest; Curtis Martin; Cynthia Y Pang; 'Dennis Orbus'; Dorothy Lacey; George Cabrera; Glover, Scott; Ignacio Cabrera; Jewell, Paul; Jim Blend; John Naughton; John Walmsley; Kanazawa, Gilbert; 'Kay Lawrence'; Margaret Dupree; Marty Anderson; Michael Ardito; Michael Feeley; n451@guam.navy.mil; Neil Johnson; Noel Enriquez; Norm Lovelace; Pat Port; Patricio F. Romero; Rice, Terry; Robert Brown; Robert Pavia; Sefanaia Nawadra; Sharon Christopherson; Sheila Wiegman; Smith, Martin; Tessa Badua-Larsen; Timothy Lord
Subject: FW: September ORRT Meeting - Honolulu

Aloha ORRT members,
A fwd'd email from CDR Paula Carroll.

Thanks,
Frances
LTJg Frances T. Bacayo
D14 (mr)
(808) 541 3078

> -----Original Message-----

> From: Carroll, Paula CDR
> Sent: Monday, May 14, 2001 3:25 PM
> To: Bacayo, Frances LTJG
> Subject: September ORRT Meeting - Honolulu

>

> Aloha, all:

>

> How about holding the Honolulu meeting on the 21st of August?

>

> Originally the plan was to hold a springtime ORRT in Guam/Saipan in April

> but for various reasons this didn't materialize. The next scheduled

> meeting, to be held in Honolulu, is slated for the week of 10 September.

> We at the Coast Guard were precommitted to the Asia Pacific Maritime

> Safety Agencies Forum in September, but didn't know the dates until just

> recently. Unfortunately it falls during this same week, and the EPA also

> has another commitment at that time. In the past couple of days, prior

> to

> sending out an email feeler, we've heard from others on tight finances at

> the end of the fiscal year and the disappointment of not being able to go

> to Guam/Saipan this year to continue with the momentum we've developed.

> Last week during joint EPA/USCG discussions, a tentative date of 21

> August

> for the Honolulu meeting was proposed. How does this date fit into your

> time and fiscal schedules?

>

> At the last meeting we discussed rearranging ORRT meetings at the various

> locations to better match with budget constraints: schedule expensive

> trips early in the FY and less expensive trips later. So far this hasn't

> worked. Should we revert to our old schedule of American Samoa in April,

> Guam/Saipan in September and Honolulu in December? Under any

> circumstances, if we want these meetings to succeed, then we've got to

> make them a priority in our budgets and have money to attend.

>

> So there. The end of my soapbox.

>

> CDR Paula S. Carroll
> Fourteenth CG District
> Marine Safety Division
> Chief, Marine Response Branch
> Phone: (808) 541-2118
> FAX: (808) 541-2116
> Email: pcarroll@D14.uscg.mil
>

Date sent: Tue, 15 May 2001 15:13:01 -0700
From: Ardito.Michael@epamail.epa.gov
Subject: HSERC Handouts
To: dshimamoto@eha.health.state.hi.us

Aloha! Denis, I just Fed Expressed to you a package with a hard copy of the EPA Update for the HSERC meeting this Friday, May 18. (You may make copies of the two-page update to distribute. You may let people know the other materials are available on the EPA website.) I also sent a hard copy printout of those recent EPA Fact Sheets that the HSERC and LEPC members should know about.

I will fax you a copy of the update this afternoon -- so you will know what to expect.

One of the handouts for the HSERC not included in the mailing is the new counter-terrorism "LEPCs and Deliberate Releases: Addressing Terrorist Activities in the Local Emergency Plan" because a newly revised version is expected to be put on the website tomorrow. I will forward you a copy as soon as I receive one. Mahalo!

From: "Curtis Martin - HEER" <EHANVL1/CMARTIN>
Organization: Environmental Management Division
To: dshimamoto
Date sent: Wed, 16 May 2001 08:57:03 -0700
Subject: HSERC Meeting
Copies to: EGalvez, tcorpus, mcripps, wperry

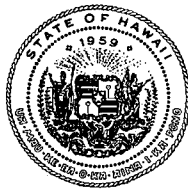
Please remind the LEPCs they need to hold their meetings quarterly. This last Legislative session we had to provide information on LEPCs. Ask that they let you know their meeting schedule so the assigned SOSOC can attend.

Amended Budget Report reflecting the additional \$5,000

From: Dennis Shimamoto - HEER <dshimamoto@eha.health.state.hi.us>
To: @LIST418D.PML
Subject: Budget & LEPC Agenda
Date sent: Mon, 5 Feb 2001 09:52:57 -1000

The allocation of the additional \$5,000 to each LEPC, as approved at the January 12, 2001 HSERC meeting, requires an amended budget report to be submitted to the HSERC. Please submit before the next HSERC meeting scheduled for May 18, 2001. Also, an agenda must be filed with the Lt. Governor's Office before each LEPC meeting. Should be on 8.5 x 11 paper with the Countys' letterhead with the date, time, and place and an agenda that cannot be changed once it is filed. I must receive a hard copy not less than ten working days before the meeting so I can file it with the Lt. Gov. office.

BENJAMIN J. CAYETANO
GOVERNOR OF HAWAII



BRUCE S. ANDERSON, Ph.D.
DIRECTOR OF HEALTH

STATE OF HAWAII
DEPARTMENT OF HEALTH

In reply, please refer to:
HEER OFFICE

P.O. BOX 3378
HONOLULU, HAWAII 96801

HAWAII STATE EMERGENCY RESPONSE COMMISSION
MEETING #40

Friday, November 17, 2000 from 9:20 a.m. to 11:16 a.m.

Department of Health
919 Ala Moana Boulevard, Room 215
Honolulu, Hawaii 96814

Final Meeting Summary

Attendees

Voting

James Bobb, Emergency Services American Red Cross
Myron Yoshioka, Hawaii LEPC Representative
Capt. Carter Davis, Oahu LEPC Representative
Gary Gill, Department of Health
Clifford Ikeda, Kauai LEPC Representative
Peter Rappa, University of Hawaii Environmental Center
Thomas Smyth, Department of Business, Economic Development and Tourism
Chris Takeno, Department of Transportation
W. Mason Young, Department of Land and Natural Resources
Joseph Blackburn, Maui LEPC Representative

Non Voting

Leland Nakai, Oahu Civil Defense
Mike Ardito, USEPA Region IX
Kathy Ho, Attorney Generals Office
Beryl Ekimoto, Department of Health, Hazard Evaluation and Emergency Response Office
Denis Shimamoto, Department of Health, Hazard Evaluation and Emergency Response Office
Mike Cripps, Department of Health, Hazard Evaluation and Emergency Response Office
Dennis Poma, Brewer Environmental Industries
Clem Jung, State Civil Defense
Ron Ho, Clean Air Branch
Keith Kawaoka, Department of Health, Hazard Evaluation and Emergency Response Office

1) The meeting was convened at 9:20 a.m. by Gary Gill.

1.1 Minutes from the previous meeting were adopted with no changes.

2) LEPC Updates

2.1 Hawaii

Myron Yoshioka-Stinger Operations: Hilo administration is worried about the liability if the county fire department does the stinger operation. They want the private industry to do it. May require a follow-up letter from HSERC to encourage the county to do the stinger operation. Will need a new member, elected official, for the LEPC. The present elected official was not re-elected. Hawaii County LEPC by-laws were distributed. At the Waimea Rodeo, live munitions were found.

2.2 Kauai

Clifford Ikeda-Conducted ICS training. Planning ICS awareness training in the future. The next Kauai LEPC meeting will be held on December 20, 2000. Will send two participants to the "M2K HazMat Explo".

2.3 Maui

Joe Blackburn-full scale exercise was a success. Was very informative. The stinger operation was important, but required more coordination with public/private sectors. More training is required. Funding expended to upgrade hazmat equipment. ARC view hardware purchased. Will forward proof of purchase. Maui is not able to access the Tier II data because they do not have Microsoft Access 2000. Gary Gill wants Marsha Graf to work with Maui to access the Tier II data. They will not send anyone to the "M2K HazMat Explo" because they will be using the funds to purchase more equipment.

2.4 Honolulu

Carter Davis-sent personnel to the "Continuing Challenge" Spent the \$7,000 for equipment for HFD. Incident of a tanker rollover. It was a steel tanker containing diesel fuel; could not use "sting", but other precautions were taken; tanker made "upright" without incident. The stinger training held on Maui was very valuable for this situation. Jim Vinton gave a CLEAN update. Clem Jung gave a NASTTPO update. The Honolulu LEPC voted to support the HSERC on the NASTTPO conference in Hawaii in 2002 if the HSERC will host the NASTTPO. The HAZMAT 2 unit was started and is stationed at Kapolei. The USGC made an ICS presentation. Update on the Hazardous Materials Response Plan contract-Dixon Services has been chosen as the contractor. Wording of the contract is being worked out. The scope of contract falls under the HMEP planning grant guidelines (Per Clem Jung). ICS regarding the stinger operations should be a county or local issue.

Gary Gill-Mike Cripps will draft a letter to the LEPCs on the interpretation of the City/County Charter regarding the use of the "stinger operation."

3) Funding Request

3.1 Maui

Joe Blackburn-request funding of \$4,500 for a laptop computer. Request tabled until next meeting when request for equipment will be considered. Second request for funds of \$4,500 for a "Facility Profile Planning Process" for hazmat and fire planning. This is primarily for the input of data. The software is already in place.

3.2 Kauai

Clifford Ikeda-request funding of \$17,645 of which \$14,116 will be from the HMEP planning grant and \$3,529 will be from HSERC. Of the total funds, \$15,000 will be for consultant services to revise the emergency response plan and \$2,645 for a tabletop exercise.

Motion to approve the funding of \$4,500 for a "Facility Profile Planning Process" for the Maui LEPC and \$17,645 for consultant services to revise the emergency response plan and a tabletop exercise for the Kauai LEPC. (Smythe/Ikeda) Unanimously approved.

4) Hawaii LEPC By-Laws

Hawaii County LEPC by-laws were distributed.

5) EPA Update

Mike Ardito

Update of the "M2K HazMat Explo" to be held in Las Vegas, Nevada
Risk Management Video

6) NASTTPO Conference

Clem Jung-requested approval of the HSERC in support of having the NASTTPO conference in Hawaii in the spring of 2002

Motion in principal, to have the NASTTPO conference in Hawaii in the spring of 2002, assuring there will be no cost to the HSERC. (Jung/Davis) Unanimously approved.

7) Resignation of Dr. Premlata Menon from the HSERC.

Kathy Ho, Deputy AG, recommendation is to either eliminate the representative or amend for a representative from another department.

Motion to approve a representative from the John A Burns School of Medicine (JABSOM) provided that a representative from JABSOM will be available to replace the one from the School of Public Health and eliminate the School of Public Health from the law. (Takeno/Smythe) Must write to the Governor for approval.

Nominations for the representative will be presented at the next HSERC meeting. Unanimously approved. (Denis to follow-up with Premlata Menon) Update at next meeting.

8) Other Business

Myron Yoshioka-Major Toy of the National Guard has given presentation on "Weapons of Mass Destruction". If interested, he could give a presentation to HSERC members. Myron will follow-up with more information and bring it up at the next meeting.

Peter Rappa-Climate Change Conference sponsored by NOAA. Each island should be preparing "Disaster Management Plans".

9) Schedule next HSERC meeting.

The next HSERC meeting will be on January 12, 2001 at 9:00 a.m.

The meeting was adjourned at 11:16 a.m.

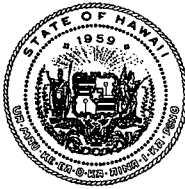
Display of Hazmat Response Vehicle was made in the parking lot.

Respectfully Submitted



Denis M. Shimamoto, HSERC Coordinator

BENJAMIN J. CAYETANO
GOVERNOR OF HAWAII



BRUCE S. ANDERSON, Ph.D.
DIRECTOR OF HEALTH

STATE OF HAWAII
DEPARTMENT OF HEALTH

In reply, please refer to:
HEER OFFICE

P.O. BOX 3378
HONOLULU, HAWAII 96801

HAWAII STATE EMERGENCY RESPONSE COMMISSION
MEETING #41

Friday, January 12, 2001 from 1:12 p.m. to 3:42 p.m.

Department of Health
919 Ala Moana Boulevard, Room 215
Honolulu, Hawaii 96814

Draft Meeting Summary

Attendees

Voting

John Bowen, Hawaii LEPC Representative
Capt. Carter Davis, Oahu LEPC Representative
Gary Gill, Department of Health
Clifford Ikeda, Kauai LEPC Representative
Robert A. Boesch, Department of Agriculture
Chris Takeno, Department of Transportation
W. Mason Young, Department of Land and Natural Resources
Sean O'Keefe, Maui LEPC Representative
Jackie Miller, UH Environmental Center
Jennifer Shishido, Department of Labor and Industrial Relations
Genevieve Salmonson, OEQC, Department of Health
Clement Jung, Department of Defense

Non Voting

Leland Nakai, Oahu Civil Defense
Mike Ardito, USEPA Region IX
Kathy Ho, Attorney Generals Office
Jim Vinton, Tesoro Hawaii
Denis Shimamoto, Department of Health, Hazard Evaluation and Emergency Response Office
Keith Kawaoka, Department of Health, Hazard Evaluation and Emergency Response Office
Randall Lee, C&C Environmental Services
Audrey Uyema Pak, C&C Environmental Services
John Lacio, 93D WMD-CST
Curtis Martin, Department of Health, Hazard Evaluation and Emergency Response Office
Major Stanley E. Toy, 93D WMD-CST

1) The meeting was convened at 1:12 p.m. by Gary Gill.

1.1 Minutes from the previous meeting were adopted with no changes.

2) LEPC Updates

2.1 Hawaii

John Bowen-Will need two new LEPC members. The administration office that processes the funding and other financial work for the Hawaii LEPC was destroyed in the flood. Three drums of unknown material were found in the Kona district and the Police followed up on this. Due to the flooding, creosote and other materials were unearthed in the Hilo waterfront. Soliciting bids for a 24 hour phone.

2.2 Kauai

Clifford Ikeda-Selected a contractor for their project. Waiting for execution of MOA with the State before proceeding.

2.3 Maui

Sean O'Keefe-Inquired on the process for reimbursement for the CAMEO workshop.

2.4 Honolulu

Carter Davis-Gave update of the Honolulu LEPC meeting as follows: 1) CAMEO course is being offered. 2) Jim Vinton gave an update of CLEAN activities. 3) Work on the contract to update the emergency response is being done to meet required financial wording. 4) Leland Nakai and Dave Hoffman gave a briefing on CLEAN. 5) Leland Nakai gave a briefing on the M2K Conference held in Las Vegas, Nevada. 6) Briefing on STTARS reporting system (Tier II reporting).

3) LEPC Funding

Curtis Martin-There is a balance of \$20,000 for this fiscal year. A motion was made to allocate the balance of \$20,000 equally among the LEPCs. (Carter/Ikeda) Unanimously approved. At the next meeting, a decision on the allocation of funds must be determined.

4) HEPCRA Funds & Tier II Filing Fees

Carter Davis-Re-evaluate the collection and allocation of the Tier II filing fees. If filing fee collections must be evaluated, should look into the fee structure of other states.

5) EPA Update

Mike Ardito

Update of the CEPP Conference and the "M2K HazMat Explo"

EPA Risk Management Program Reading Room Procedures (handout)

At the next HSERC meeting, must review needs and suggestions for EPCRA implementation for Hawaii

6) NASTTPO 2002 Conference & CHER-CAP

Clem Jung

The NASTTPO 2002 Conference will be held in Hawaii at the Ala Moana Hotel on April 8-13, 2002.

The next NASTTPO planning meeting will be on Feb. 28, 2001 at State Civil Defense.

If funds are available, a CHER-CAP exercise will be held in February 2002.

7) Replacement of School of Public Health Representative

Gary Gill-make an amendment to the law to get a representative from the John A. Burns School of Medicine.

8) Weapons of Mass Destruction

Major Stanley E. Toy, Commander of the 93D WMD-CST, gave a WMD presentation.

Mission is to assess, advise and facilitate WMD situations

Deal with domestic terrorism
Cooperate within the ICS
Designed to response for the unknown

9) Schedule next HSERC meeting.

The next HSERC meeting will be on May 18, 2001 at 9:00 a.m.

The meeting was adjourned at 3:42 p.m.