APPENDIX B

A Follow-up Study to the June 1993 Audit Report: *An Audit of the Fire Department – Hazardous Materials Storage Permit Fees*

Why the City Auditor Did This Study

In November 2003, the City Manager, the Budget Office, and the San Jose Fire Department (SJFD) requested the City Auditor's Office to assist in evaluating whether some of the SJFD's Hazardous Incident Team's (HIT) cost could be recovered through hazardous materials storage permit fees (permit fees) charged to permitted facilities. This work was a follow up to an audit report the City Auditor issued in 1993.

Significant Findings

The City Auditor's Office found that the HIT spent little time on permitted facilities. Therefore, the City cannot justify charging the permitted facilities based only on workload volume. However, according to the SJFD, the HIT exists in a large part because of the high risk associated with the permitted facilities, especially the facilities with the highest hazards and largest quantities of hazardous materials. The SJFD maintains a state of readiness for response to hazardous incidents, some of which occur at permitted facilities. Therefore, the SJFD should evaluate whether some of the costs of maintaining the HIT should be charged to permitted facilities. We also found other opportunities to recover some HIT costs; however, these amounts may be minimal. In addition, we found that the HIT has a very low workload that may not justify dedicating firefighters to respond almost exclusively to hazardous materials incidents. Specifically, in 2002-03, the HIT Company responded to the fewest number of incidents of any fire company in the City and its total incident workload has steadily decreased over the past five years. Finally, we found that other jurisdictions have their firefighters respond to hazardous materials incidents as well as other types of incidents. Accordingly, in our opinion, the SJFD, the City Manager's Office, and the City Council should consider during the 2004-05 budget deliberations whether the SJFD should continue to dedicate firefighters to respond almost exclusively to hazardous materials incidents. According to the SJFD, while it does not support HIT staff reductions, it will consider this report and the proposed staffing reductions to the HIT as part of its budget deliberations. In addition, the SJFD plans to present a proposal to recover some of the HIT program costs through an increase in hazardous materials storage fees.

<u>Cost Recovery Analysis</u>

We reviewed the HIT's 2002-03 daily journal of activities. The HIT is staffed 24/7 with four staff; therefore, it is staffed 35,040 hours (24 hours x 365 days x 4 staff) annually. During our review of the daily journals, we found that the HIT responded to 218 incidents in 2002-03. We also documented the number of hours the HIT spent responding to hazardous materials incidents, administration, and training activities as shown below.

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Exhibit 1 2002-03 HIT Incident, Administration, and Training Hours*								
	HIT Incident Response Staff Hours	Percent of HIT Incident Response Staff Hours	HIT Adminis-tration Staff Hours***	Percent of HIT Adminis-tration Staff Hours	HIT Training Staff Hours	Percent of HIT Training Staff Hours	Total of Incident, Admin-istration & Training Staff Hours	Total % of Incident, Admin-istration & Training Staff Hours
HIT Staff Time Spent On Permitted Facilities**	316	28%	332	26%	48	5%	696	21%
Other HIT Staff Time	799	72%	968	74%	848	95%	2,615	79%
Total HIT Staff Time	1,115	100%	1,300	100%	896	100%	3,311	100%

*Four staff respond to incidents; we assumed four staff working on administration and training, the actual hours may be less. Therefore, elapsed time is ¼ hours shown in Exhibit 1. For example, the Exhibit shows 1,115 staff hours spent on Incident Response; the elapsed time for Incident Response is 279 hours (1,115/4).
** Includes permitted City facilities.
*** Includes 236 staff hours spent on incident planning at permitted facilities.

As Exhibit 1 shows, the HIT spent little time on permitted facilities. Specifically, in 2002-03, the HIT spent 696 staff hours on activities directly related to permitted facilities: 316 staff hours responding to incidents for permitted facilities; 332 staff hours on administration time; and 48 hours on training time related to permitted facilities. Therefore, the HIT spent a total of 696 staff hours on activities related to permitted facilities, or 2 percent of the 35,040 annual staff hours worked.

Based on our analysis, charging fees to permitted facilities based solely on workload volume is not justified. However, according to the SJFD, the HIT exists in a large part because of the high risk associated with the permitted facilities, especially the facilities with the highest hazards and largest quantities of hazardous materials. Therefore, the HIT maintains a state of readiness for response to hazardous incidents, some of which occur at permitted facilities. This includes reviewing Hazardous Materials Management Plans (HMMP). The HMMPs are collected from facilities storing, handling, and using hazardous materials. The HIT also does pre-planning for incidents by conducting walk-through site visits. The walk-through site visits require hours of planning and meeting with Hazardous Materials Inspectors and site representatives. The HIT also receives and maintains copies of the HMMPs for the most complex facilities such as electronic facilities, semiconductor facilities, chemical warehouses, and fuel terminals. The HIT unit also does site specific pre-planning at these complex facilities. The 1993 audit report recommended that the SJFD recover the costs of the HIT activities through fees to permitted facilities. In our opinion, this recommendation is still valid and the SJFD should evaluate whether some of the costs of maintaining the HIT should be charged to permitted facilities. Moreover, the 1993 report recommended that the SJFD and the City

Attorney report on the feasibility of recovering some of these additional costs by restructuring the hazardous materials storage permit fees to reflect the volume and degree of hazard potential. This would allow the City to recover the costs of the Hazardous Materials Program through a fee structure that charges higher fees to facilities that pose the greatest risk to the community.

In addition, it appears that there may be other opportunities to recover the cost of some of the staff time spent on the HIT workload. However, the amount of these cost recoveries would be minimal. The City might be able to recover costs on

- Storm drain incidents from the responsible party or if none, the Storm and Sewer Fund;
- Incidents where the responsible party can be determined; and
- Frequent false alarms.

We estimate the City could recoup as much as $42,000 with a more aggressive cost recovery program. The City would need to perform a cost/benefit analysis to determine if revenue from cost recovery would outweigh the cost of collecting those funds.

HIT Workload Analysis

We found that the HIT workload is very low and does not appear to justify a HIT dedicated primarily to responding to hazardous incidents. The HIT primarily responds to hazardous incidents and to multiple-alarm fires. We reviewed the HIT workload and found that in 2002-03, the HIT Company responded to the fewest number of incidents of any fire company in the City and its total incident workload has steadily decreased over the past five years (see Attachments 2 and 3). During 2002-03, the HIT responded to 218 HIT incidents and spent 279 hours on these incidents. This equates to the HIT devoting only 3 percent of its total available hours on HIT incidents. Of these 218 incidents, 43 incidents (20 percent) were cancelled (see Attachment 9).

Alternative HIT Deployment Patterns and Estimated Costs

We surveyed other jurisdictions and found that most do not have staff dedicated to respond to hazardous materials incidents. For example, the City of Sacramento, California has three truck companies at different fire stations that respond to both hazardous materials incidents and other types of incidents in the city and the county. The City of San Diego, California has an engine company and a truck company located at one fire station that respond primarily to fire and emergency medical calls and are also cross-trained to respond to hazardous materials incidents. The City of San Diego previously had a dedicated hazardous incident response team, but two years ago, it changed to its current cross-trained staffing configuration because of mandated budget reductions. The City of San Diego's fire/hazardous materials response teams also respond to hazardous materials response incidents in the County of San Diego jurisdiction, which covers a 380 square mile area, on a contract basis. Based on call volume or anticipated on scene time, the City of San Diego may use call back to staff its HIT riggs if the cross-trained

companies are busy on other calls, or "moving up" to maintain fire service availability. "Moving up" refers to the moving of an available engine or truck company to a station when an engine or truck company is busy on another call.[1]

We estimated the cost of the Sacramento and San Diego deployment patterns if they were used in San Jose. In addition, we have also provided the cost of another deployment alternative, which is two staff dedicated to HIT. This is how the SJFD deployed the HIT shortly after it was established in 1980. Exhibit 2 shows the current and three potential deployment alternatives and their estimated costs. The deployment alternatives shown in Exhibit 2 are not intended to be all inclusive.

Exhibit 2
Current And Three Possible HIT Deployment Alternatives and Estimated 2004-05 Costs

	Dedicated HIT Team Costs	Deployment Alternative 1: Two Fire Stations with HIT-trained Firefighters Similar to the Sacramento Program	Deployment Alternative 2: One Fire Station with HIT-trained Firefighters Similar to the San Diego Program	Deployment Alternative 3: One Fire Station with Two Dedicated HIT-trained Firefighters***
Personal Costs	$1,843,336	0	0	$994,202
Premium Pay	$ 54,706	$160,306	$ 80,153	96,884
Non-Personal *	$ 203,618	$407,236	$203,618	$203,618
Overhead	$ 508,574	$508,574	$508,574	$508,574
HIT Training Overtime**	$ 75,000	$ 75,000	$ 75,000	$ 75,000
Capital Cost: One time cost of additional HIT Rig	0	$500,000	0	0
DOT Contractual Services (Fund 446)	$ 100,000	$100,000	$100,000	$100,000
Total Costs	$2,785,234	$1,751,116	$967,345	$1,978,278

* Non-Personal includes $97,000 in annual equipment costs for each rig, mostly from the Capital Budget.
** HIT Training Overtime funds department-wide initial and continuing HIT certification training requirements. The SJFD has about 60 firefighters certified as either HIT specialists or technicians who are assigned to HIT or provide relief HIT staffing. All firefighters permanently assigned to HIT are certified specialists.
*** Includes the estimated cost of premium pay for a Truck Company serving as back-up personnel to the two dedicated staff.

Deployment Alternative 1 is similar to the Sacramento hazardous materials response program, however, Deployment Alternative 1 assumes two fire companies instead of the three companies Sacramento uses. Deployment Alternative 2 is similar to the San Diego hazardous materials response program, however, Deployment Alternative 2 assumes one fire company instead of the two San Diego uses. The reason we assumed one company is because of San Jose's lower level of HIT incidents when compared to San Diego.

[1] San Jose Fire Communications routinely moves up engine and truck companies during multiple alarm fires.

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Deployment Alternative 3 is based on the SJFD's HIT staffing deployment shortly after the program was established in 1980.

We should note that we developed the deployment patterns and cost estimates in Exhibit 2 for illustrative purposes only. Moreover, we did not evaluate the operational issues associated with any of the deployment patterns shown in Exhibit 2. We should also note that while we did not evaluate all of the operational issues of the above deployment alternatives, we do know that these alternatives may affect the availability of truck or HIT services. In order to increase the availability of a cross-trained HIT/truck company, the City of San Jose could select a fire truck company with a lower fire call volume. For example, Fire Station 29 currently has an engine, a truck company, and the HIT company. Truck Company 29 responded to 61 fires in 2002-03, which was the lowest call volume of any of the City's truck companies.

Conclusion

In our opinion, the SJFD, the City Manager's Office, and the City Council should consider during the 2004-05 budget deliberations whether the SJFD should continue to dedicate firefighters to respond almost exclusively to hazardous materials incidents. According to the SJFD, while it does not support HIT staff reductions, it will consider this report and the proposed staffing reductions to the HIT as part of its budget deliberations. In addition, the SJFD plans to present a proposal to recover some of the HIT program costs through an increase in hazardous materials storage fees.

Attachments

Below is a list of attachments and a summary of information in the attachments.

Attachment 1-Estimated HIT costs for 2004-2005: The estimated 2004-05 Budget funds staffing for 14 FTEs, including two positions for relief staffing. The personal and non-personal budget totals $2.7 million. The budget includes $100,000 from the Storm Sewer Operating Fund (Fund 446) for the annual costs of cleanup kits, pick-up, and recycling/disposal of hazardous materials.

Attachment 2 - Summary of 1998-99 through 2002-03 Number of Total Incidents for Fire Companies: The attachment shows the number of responses to incidents for all fire companies over the past five years. As shown on the attachment, HIT has the second lowest number of responses to incidents over the past five years.

Attachment 3 - Summary of 2002-03 Number of EMS, Fire, and Other Incidents for Fire Companies: The attachment shows the number of responses to incidents for all fire companies for fiscal year 2002-03. As shown on the attachment, HIT has the lowest number of responses to incidents.

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Attachment 4 - Graph of 2002-03 Number of Total Incidents for Fire Companies: The graph illustrates the information in Attachment 3.

Attachment 5 - Summary of 2002-03 HIT Incidents at City or Permitted Facilities by Type of Incident: The SJFD categorizes HIT incidents by type. We listed the number of incidents by type. Based on the incident address, we also showed if the location was at a City facility or a permitted facility. Although some City facilities, such as the Airport and the Water Pollution Control Plant, are permitted facilities, we listed them as City facilities.

Attachment 6 - Number of 2002-03 HIT Incidents by Time of Day: The graph shows fewer incidents occur at night and during the early morning hours. During 2002-03, 180 incidents occurred between 8 a.m. and 9 p.m. and 35 incidents occurred between 9 p.m and 8 a.m.

Attachment 7 - Number of 2002-03 HIT Incidents by Day of the Week: The graph shows that fewer incidents occur on the weekends. During 2002-03, nine percent of incidents occurred on Saturdays and another nine percent of incidents occurred on Sundays. Weekday incidents ranged from 13 to 19 percent, daily.

Attachment 8 - List of 2002-03 HIT Incident Information: We listed information about the 218 incidents that occurred in 2002-03 from the HIT's daily journals.
We determined

- Whether the incident occurred at a permitted or City facility.
- If it appeared that the City could be potentially reimbursed for staffing costs for time spent on incidents.
- If the incident required HIT expertise and/or equipment. We determined that all the incidents required HIT expertise and/or equipment unless the incident was cancelled or self-dispatched.
- The reason the incident required HIT expertise and/or equipment. We determined the type of reason from the description of the incident in the daily journal entries. These reasons include:

    - Air Pump to pump out remaining fuel from a vehicle. Only HIT has this equipment.
    - Chemicals Handling Knowledge & Equipment. HIT specialists are trained in handling chemicals and the HIT vehicle carries information and equipment for handling chemicals.
    - Contain, control and clean capability; truck or vehicle accidents.
    - Decontamination Equipment.
    - Detection Equipment. Only the HIT team and the Fire Department's three Urban Search and Rescue truck companies carry equipment that can measure levels of airborne materials, such as natural gas.
    - Hazardous Materials Fire.
    - Storm Drain: Testing and Cleaning of Materials Capability; Storm Drain and Sewer Maps. Anything other than rainwater flowing to a storm drain

is considered a hazardous material. The HIT can clean up materials on the surface, and calls a licensed hazardous materials contractor to clean up materials that have already flowed into the drain.

- Testing Equipment: Abandoned Chemicals.
- Transporting of abandoned hazardous materials for storage at Fire Station 29. The HIT is licensed to transport hazardous materials. A waste hauler subsequently picks up materials on a periodic basis.

- Summary of the Daily Journal Description of the Incident.

Attachment 9 - Summary of 2002-03 HIT Incidents by Type of Reason Incident Requires HIT Expertise and/or Equipment: We listed the number of incidents, the total number of hours, and the average hours by type of incident.

Attachment 10 - Map of 2002-03 Incident Locations Requiring HIT Expertise or Equipment: We mapped the locations of 151 of the 218 incidents by type of reasons requiring HIT. The map shows that these incidents are dispersed throughout the City. The map also shows the location of Fire Station 29.

Attachment 1

HIT Estimated Costs					
04-05 Base					
FTE Costs					
				FTE	**04-05**
	Fire Captain	151,533		1.0	151,533
	Fire Captain	152,248		1.0	152,248
	Fire Captain	150,616		1.0	150,616
	Fire Engineer	132,582		1.0	132,582
	Fire Engineer	132,583		1.0	132,583
	Fire Engineer	132,582		1.0	132,582
	Fire Fighter	119,126		1.0	119,126
	Fire Fighter	118,571		1.0	118,571
	Fire Fighter	122,639		1.0	122,639
	Fire Fighter	119,244		1.0	119,244
	Fire Fighter	120,173		1.0	120,173
	Fire Fighter	121,699		1.0	121,699
	Fire Captain (Relief)	151,533		0.5	75,767
	FE (Relief)	132,582		0.5	66,291
	FF (Relief)	121,674		1.0	121,674
	FF Class B License premium				6,009
	HIT Premium				53,926
	HIT Premium (Relief)				780
	Total : Personal			14	1,898,042
	Overhead				508,574
4030	Safety Equipment + EMS Coat				38,861
4045	Training				11,630
4048	Vehicle Maintenance				25,958
4052	Contractual Svcs (cleanup kits, pick-up and recycling/disposal of hazardous materials)				29,825
4065	Uniform Allowance - In Personal Services Cost				
	Equipment for Rig (defibrillators, radios, SCBA tanks etc.)				97,344
	Total Non-Personal				203,618
	Sub-Total				2,610,234
	Fund 446 Share - DOT Contractual Svcs (Non-Point Source)				100,000
	(cleanup kits, pick-up and recycling/disposal of hazardous materials)				
	Total HIT Program Costs				2,710,234

Source: Budget Office

Attachment

Summary of 998-99 through 002-03 Number of Total ncidents for Fire Companies

Fiscal Year	98-99	99-00	00-01	01-02	02-03	Total
E8	3,738	3,677	3,585	3,610	3,473	18,083
E2	3,309	3,341	3,427	3,421	3,369	16,867
E1	3,190	3,271	3,299	3,131	2,914	15,805
E26	2,939	3,036	3,149	3,005	2,922	15,051
E18	2,693	2,970	3,029	3,045	2,775	14,512
E16	2,764	2,742	2,820	2,706	2,499	13,531
E3	2,593	2,639	2,831	2,631	2,447	13,141
E5	2,677	2,645	2,793	2,377	2,411	12,903
E14	2,518	2,596	2,697	2,580	2,418	12,809
E4	2,311	2,553	2,703	2,624	2,473	12,664
E12	2,139	2,211	2,248	2,368	2,438	11,404
E13	2,081	2,232	2,363	2,314	1,971	10,961
E10	2,059	2,173	2,244	2,130	2,214	10,820
E9	2,010	2,138	2,251	2,160	2,058	10,617
E30	2,087	2,171	1,823	2,033	2,040	10,154
E6	1,903	1,935	1,969	2,046	1,982	9,835
E24	2,117	1,892	1,755	1,686	1,761	9,211
E17	1,662	1,884	1,832	1,784	1,739	8,901
E23	1,641	1,796	1,703	1,616	1,574	8,330
E19	1,657	1,610	1,630	1,616	1,514	8,027
E27	1,328	1,424	1,608	1,770	1,538	7,668
T2	1,448	1,485	1,581	1,565	1,495	7,574
T1	1,472	1,470	1,439	1,450	1,372	7,203
E21	1,451	1,390	1,399	1,403	1,377	7,020
E7	1,492	1,455	1,382	1,359	1,286	6,974
E29	1,239	1,512	1,538	1,293	1,141	6,723
U5	1,421	1,335	1,293	1,341	1,292	6,682
T18	1,226	1,378	1,389	1,359	1,231	6,583
T3	1,001	1,067	1,108	1,139	1,172	5,487
T14	1,057	1,009	1,002	1,032	1,022	5,122
U16	1,053	1,001	945	1,007	928	4,934
E22	967	996	979	976	942	4,860
T4	908	957	893	1,057	1,016	4,831
U13	771	902	863	1,027	1,219	4,782
E15	789	789	788	768	798	3,932
E11	776	777	704	710	789	3,756
T29	697	834	819	638	640	3,628
T9	642	680	663	763	802	3,550
E31		527	913	927	956	3,323
E20	606	552	668	488	397	2,711
E25	409	496	512	356	408	2,181
HIT29	408	326	329	327	282	1,672
E28	296	333	310	318	337	1,594
Source: SJFD						

Engine Company

Truck Compan

rban Search and Rescue Company (has ruck capabilities as well as Search and Rescue

Attachment 3
Summary of 2002-03 Number of EMS, Fire, and Other Incidents for Fire Companies

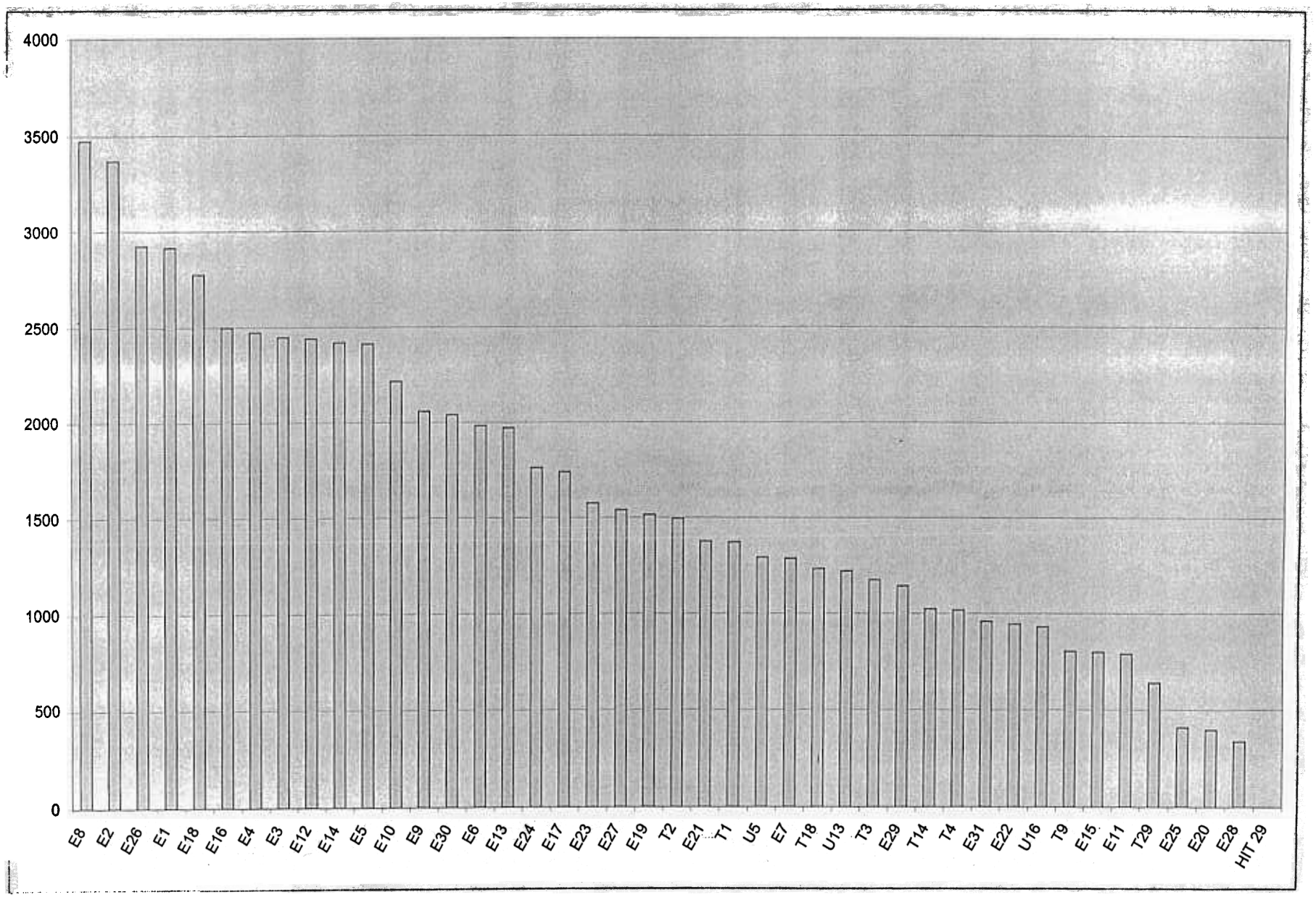
COMPANY	TOTAL	EMS	FIRE	OTHER
E8	3473	2627	299	547
E2	3369	2809	283	277
E26	2922	2215	249	458
E1	2914	2136	259	519
E18	2775	2231	231	313
E16	2499	2043	232	224
E4	2473	1929	202	342
E3	2447	1893	232	322
E12	2438	1730	233	475
E14	2418	1972	184	262
E5	2411	1696	214	501
E10	2214	1520	189	505
E9	2058	1686	173	199
E30	2040	1263	245	532
E6	1982	1496	141	345
E13	1971	1448	223	300
E24	1761	1287	198	276
E17	1739	1164	188	387
E23	1574	1143	121	310
E27	1538	1070	174	294
E19	1514	1082	168	264
T2	1495	827	192	476
E21	1377	1016	155	206
T1	1372	445	213	714
U5	1292	543	136	613
E7	1286	802	142	342
T18	1231	606	166	459
U13	1219	644	130	445
T3	1172	458	204	510
E29	1141	670	102	369
T14	1022	468	112	442
T4	1016	409	142	465
E31	956	679	100	177
E22	942	683	69	190
U16	928	461	172	295
T9	802	386	131	285
E15	798	531	68	199
E11	789	648	37	104
T29	640	158	61	421
E25	408	191	56	161
E20	397	253	21	123
E28	337	201	49	87
HIT 29	282*	28	53	201

SOURCE: SJFD

Auditor Note: Attachment 9 shows 218 hazardous materials incidents. The hazardous materials incidents may be classified as either Other, Fire, or EMS incidents.

E: Engine Company
T: Truck Company
U: Urban Search and Rescue Company (has Truck capabilities as well as Search and Rescue)

Attachment 4
Graph of 2002-03 Number of Total Incidents for Fire Companies



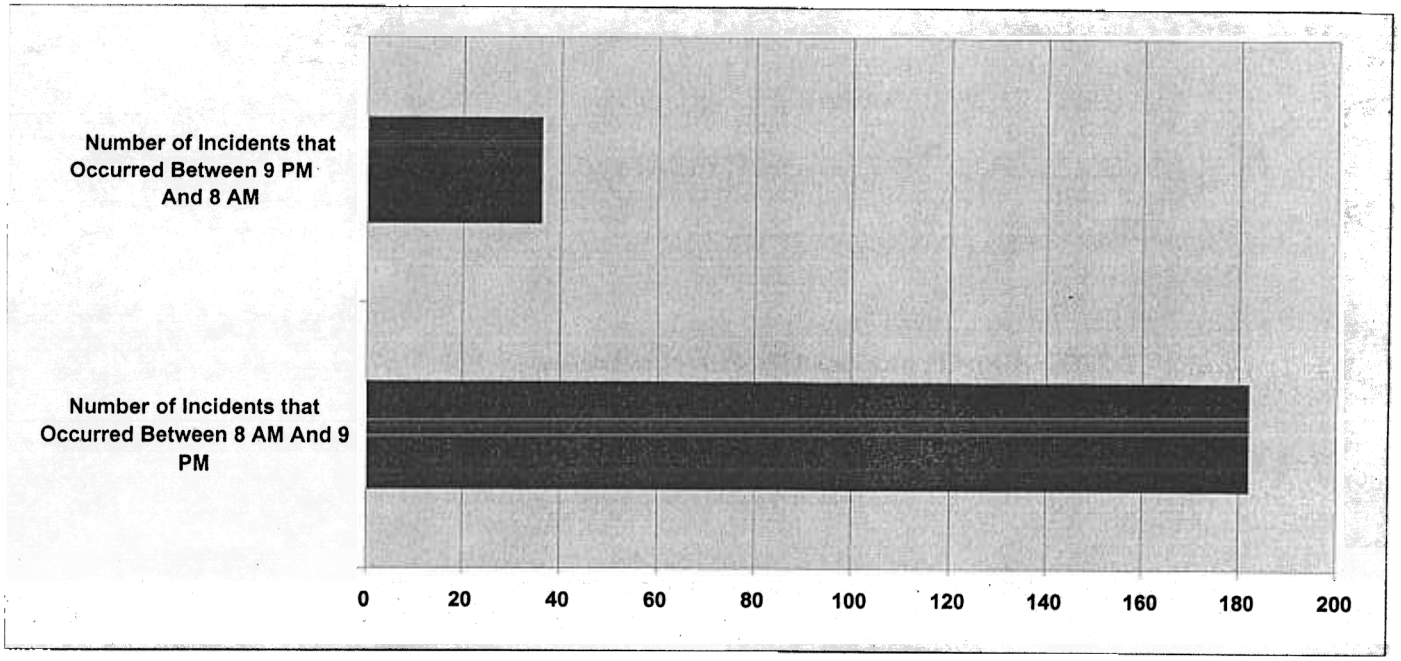
E: Engine Comany
T: Truck Company
U: Urban Search and Rescue Company

Attachment 5

Summary of 2002-03 HIT Incidents at City or Permitted Facilities by Type of Incident			
Type of Incident	Total Number of Incidents	Number of City Facilities	Number of Permitted Facilities
Abandoned Chemicals	19	1	1
Alarm	3	2	1
Consultation	9		2
Contamination	6		1
EMS	1		1
Explosion	5		1
Fire Hazmat	9	1	5
Fuel Spill/Leak	8		
Gas Leak	42	3	12
Hazmat Consultation	10	1	4
Illegal Dump	1		
Incident Report	2	1	
Investigation	39	2	10
Liquid Spill	45	3	6
Odor/Smell Investigation	11	1	4
Rescue	1		
Solid/Spill Release	7		1
TOTAL	218	15	49
Percentage of Total	100.00%	6.88%	22.48%

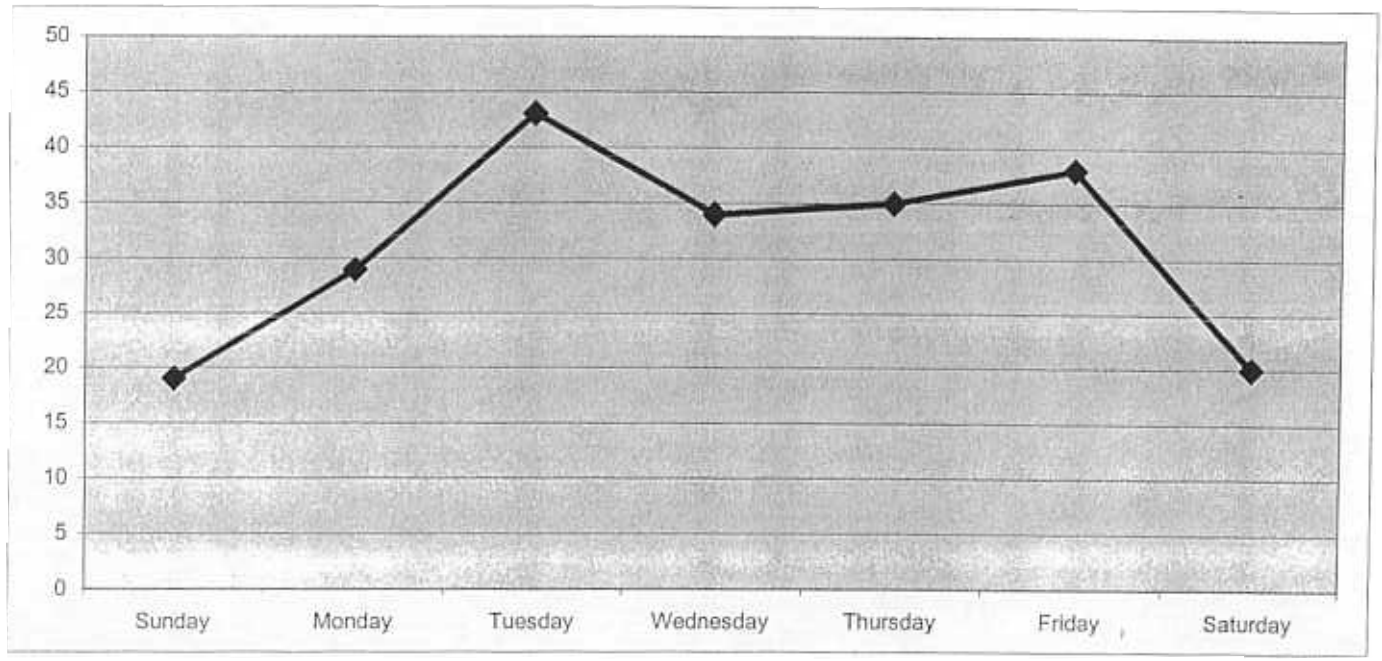
Attachment 6
Number of 2002-03 HIT Incidents By Time of Day

Number of Incidents that Occurred Between 8 AM And 9 PM	Percentage of Incidents	Number of Incidents that Occurred Between 9 PM And 8 AM	Percentage of Incidents
182	83.11%	36	16.44%



Attachment 7
Number of 2002-03 HIT Incidents By Days of the Week

Day of the Week	Number of Incidents	Percentage of Total
Sunday	19	8.72%
Monday	29	13.30%
Tuesday	43	19.72%
Wednesday	34	15.60%
Thursday	35	16.06%
Friday	38	17.43%
Saturday	20	9.17%
TOTAL	218	100.00%



Attachment 8
List of 2002-03 HIT Incident Information

Number of Incidents	Date	Day of the Week	Incident#	Start Time	End Time	Total Event Time	Type of Incident	Permitted Facility	Potential Reimburse-ment	Cancelled enroute	Requires HIT Expertise and/or Equipment (Y/N)	Reason Incident Requires HIT Expertise and/or Equipment; or Reason Cancelled	Summary of Daily Journal Description of Incident
1	10/25/2002	Friday	20514	9:06	9:12	0:06	Gas Release	N	n	Canceled enroute	N	Detection Equipment	Cancelled by Incident Commander on scene.
2	11/15/2002	Friday	24613	17:12	17:55	0:43	Natural Gas	n	nt	N	N	Detection Equipment: Natural Gas Leak	Self-dispatched to natural gas release
3	8/29/2002	Thursday	10802	21:25	21:30	0:05	2nd Alarm	CF	N	Canceled enroute	N	Cancelled.	Alert 2 at airport
4	7/6/2002	Saturday	959	10:30	11:30	1:00	Contamination/ Exposure	N	N	Canceled enroute	N	Handled by Engine	HIT requested to respond to assist E28 in decontaminating divers who were doing a car recovery in the lake. HIT 29 cancelled en route by E28.
5	7/9/2002	Tuesday	1612	19:16	19:24	0:08	Consultation: Investigation	N	N	Canceled enroute	N	Handled by Engine	Item determined to be abandoned water softener cylinder.
6	7/16/2002	Tuesday	2785	8:38	8:48	0:10	Consultation: Investigation	N	N	Canceled enroute	N	Handled by Engine	Natural gas or chlorine odor investigation. Cancelled en route by E8
7	8/1/2002	Thursday	5578	13:21	13:32	0:11	Liquid/Spill Release	N	N	Canceled enroute	N	Handled by Engine	4 to 5 gallons of transmission fluid on off-ramp.
8	8/22/2002	Thursday	9495	12:08	12:16	0:08	Gas Release	Y	N	Canceled enroute	N	Handled by Engine	Broken gas main at a large retail store
9	8/28/2002	Wednesday	10617	20:39	20:52	0:13	Gas Investigation	CF	N	Canceled enroute	N	Handled by Engine	Fuel vapors on large aircraft
10	10/15/2002	Tuesday	18999	18:30	19:00	0:30	Liquid	N	N	Canceled enroute	N	Handled by Engine	Backhoe rolled over; handled by Engine
11	12/3/2002	Tuesday	27526	5:22	5:32	0:10	Investigation	y	n	Canceled enroute	N	Handled by Engine	Responded to assist E8 at explosion. HIT was cancelled by E8 on scene.
12	12/3/2002	Tuesday	27597	13:55	14:00	0:05	Fire, Haz	n	n	Canceled enroute	N	Handled by Engine	Assist station 18 and 26 en route to an unknown fire. T18 requested HIT response due to possible involvement of propane. HIT responded and was cancelled en route when E18, T18 identified the fire as residual burn from the venting of a propane truck.
13	12/14/2002	Saturday	29444	11:23	11:43	0:20	Haz Mat Alarm	Y	Maybe	Canceled enroute	N	Handled by Engine	HIT self-dispatched. Was cancelled by E23 enroute.
14	12/17/2002	Tuesday	30306	21:37	22:07	0:30	Liquid	n	n	Canceled enroute	N	Handled by Engine	Vehicle fuel leak; Handled by E22
15	12/23/2002	Monday	31405	18:48	19:38	0:50	Gas Release	n	n	Canceled enroute	N	Handled by Engine	Gas Leak at intersection of Snell & Blossom Hill; handled by E12 and PGE
16	1/14/2003	Tuesday	34951	16:18	16:25	0:07	Investigation	no	no	Cancelled	N	Handled by Engine	Package releasing smoke in a mail box. E17 called and cancelled.
17	1/18/2003	Saturday	35728	21:00	21:10	0:10	Haz Mat Alarm	Y	no	Canceled	N	Handled by Engine	HIT responded for an alarm cancelled enroute by E29 on scene.
18	2/4/2003	Tuesday	38553	12:32	12:40	0:08	Gas release	N	no	Cancelled enroute	N	Handled by Engine	Possible carbon monoxide exposure.
19	2/15/2003	Saturday	40577	13:57	14:10	0:13	odor/smell inv	Y	maybe	cancelled enroute	N	Handled by Engine	Appears to be false alarm.
20	2/24/2003	Monday	42224	23:17	23:25	0:08	odor/ smell investigation	n	n	Cancelled enroute	N	Handled by Engine	Small round glass vial broken with green liquid and a smell of sulphur. E6 handled it and HIT cancelled en route.
21	3/20/2003	Thursday	46229	11:39	12:00	0:21	Hazmat consultation	n	n	Released	N	Handled by Engine	Explosion. Release of CO2. HIT released from the scene by Battalion Chief.
22	5/21/2003	Wednesday	56522	12:59	13:06	0:07	Contamination Exposure	n	n	Cancelled enroute	N	Handled by Engine	Responded to a possible hazmat exposure. HIT was cancelled en route by E14.

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List of 2002-03 HIT Incident Information

			Incident#	Start Time	End Time	Total Event Time	Type of Incident	Permitted Facility	Potential Reimburse-ment	Cancelled enroute	Requires HIT Expertise and/or Equipment (Y/N)	Reason Incident Requires HIT Expertise and/or Equipment; or Reason Cancelled	Summary of Daily Journal Description of Incident
23	6/24/2003	Tuesday	50191	17:34	17:39	0:05	Solid spill release	n	n	canceled enroute	N	Handled by Engine	HIT dispatched and cancelled en route.
24	11/17/2002	Sunday	24881	10:32	10:52	0:20	Gas Release	N	n	Canceled enroute	N	Handled by first arriving units	Smell of natural gas at large retail store; handled by first arriving units.
25	3/5/2003	Wednesday	43690	12:23	12:33	0:10	Gas release	n	n	Canceled enroute	N	Handled by first arriving units	Dispatched to assist Battalion1 at a natural gas leak. Cancelled en route.
26	6/19/2003	Thursday	61680	8:08	8:43	0:35	Gas Investigation	n	n	Canceled enroute	N	Handled by first arriving units	Dispatched for natural gas smell in the FD and PD control rooms. HIT cancelled en route by Battalion1
27	6/26/2003	Thursday	63013	14:11	14:16	0:05	Gas Investigation	n	n	canceled enroute	N	Handled by first arriving units	Responded to gas investigation at the request of Battalion 29. Cancelled en route.
28	12/26/2002	Thursday	31864	17:00	17:10	0:10	Gas	N	N	Canceled enroute	N	Handled by other unit.	Dispatched to broken gas line, cancelled en route.
29	7/25/2002	Thursday	4288	14:01	14:40	0:39	Liquid/Spill Release	N	N	Canceled enroute	N	Handled by Truck	Tanker truck leaked several hundred gallons of what appeared to be soapy water.
30	9/6/2002	Friday	12144	14:28	14:40	0:12	Investigation	Y	N	Canceled enroute	N	Handled by Truck	Strange odor from testing lab: no chemicals inside
31	9/24/2002	Tuesday	15373	19:08	19:30	0:22	Explosion	N	N	Canceled enroute	N	Handled by Truck	Underground explosion and fire, no hazardous materials
32	11/12/2002	Tuesday	24025	9:46	10:10	0:24	Gas Release	n	Maybe	Canceled enroute	N	Handled by Truck	Gas line ruptured by construction crew. Handled by T29 and PG&E.
33	11/28/2002	Thursday	26790	11:07	11:37	0:30	Odor/Smell	CF	n	Canceled enroute	N	Handled by Truck	Smoke Investigation at SJ Airport. Cancelled on scene by B29
34	1/2/2003	Thursday	32986	12:44	12:54	0:10	Gas invest.	n	n	Canceled enroute	N	Handled by Truck	Gas investigation cancelled enroute
35	3/5/2003	Wednesday	43669	9:00	9:15	0:15	Liquid spill release	GF	n	Cancelled	N	Handled by Truck	Blue liquid in high school parking lot.
36	3/18/2003	Tuesday	45898	10:38	10:45	0:07	Investigation	n	n	Released	N	Handled by Truck	HIT to assist USAR 16: male washing off his driveway into the gutter. However, USAR 16 contacted HIT and said that they handled the call.
37	3/21/2003	Friday		15:30	16:00	0:30	Illegal dump	n	n	Cancelled	N	Handled by Truck	Assist T1 on scene of an illegal dump of radiator fluid. Cancelled by T1.
38	5/16/2003	Friday	55531	11:00	11:30	0:30	odor/smell investigation	n	n	Cancelled enroute	N	Handled by Truck	Monitored gas response with T9. No need for HIT to respond.
39	6/5/2003	Thursday	59270	15:02	15:06	0:04	liquid spill release	n	n	Canceled enroute	N	Handled by Truck	Leaking diesel fuel. Cancelled en route by T and E1
40	10/22/2002	Tuesday	20069	12:00	12:30	0:30	Liquid	N	N	N	N	Handled by Truck.	Oil on road from motorcycle accident. HIT happened to be passing by and assisted T1.
41	2/12/2003	Wednesday	39905	20:40	21:15	0:35	Liquid spill release	Y	no	Released	N	Handled by USAR with Detection Equipment.	Someone at retail store had used gasoline to clean the floors. HIT advised U13 to use gas detector and contact County Health if necessary. HIT released en route.
42	9/11/2002	Wednesday	13012	12:46	12:49	0:03	Investigation	N	N	Canceled enroute	N	Not required.	Tanker Truck on fire. Cancelled by Fire Communications
43	6/16/2003	Monday	61157	13:30	14:30	1:00	Investigation	N	N	N	Pick-up: Clean up capacity and storage	Transporting of abandoned materials for storage	At request of E26, picked up three abandoned 5 gallon containers of what appeared to be oil and thinner mixed together.
44	9/28/2002	Saturday	16058	18:12	19:33	1:21	Fuel	N	Maybe	N	Y	Air Pump to pump out remaining fuel from vehicle	Vehicle with gasoline leak

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45	7/28/2002	Sunday	4870	14:59	16:18	1:19	Haz Mat	N	Maybe	N	Y	Air Pump to pump out remaining fuel from vehicle involved in accident	Gasoline spill from vehicle accident
46	9/1/2002	Sunday	11288	14:46	16:10	1:24	Liquid Spill/ Release	N	Maybe	N	Y	Air Pump to pump out remaining fuel from vehicle leaking fuel	Car leaking gasoline. However, HIT did not use its air pump.
47	1/15/2003	Wednesday	35036	9:10	10:56	1:46	Fuel spill/leak	no	no	N	Y	Air Pump to pump out remaining fuel from vehicle leaking fuel	Assisted E31. Leak from a truck. HIT pumped fuel from tank.
48	7/9/2002	Tuesday	1562	15:50	16:26	0:36	Consultation: Investigation	N	N	N	Y	Chemicals Handling Knowledge & Equipment	Battery in communications room started to burn and leaked.
49	7/27/2002	Saturday	4631	9:44	10:46	1:02	Investigation	N	N	N	Y	Chemicals Handling Knowledge & Equipment	Plastic bag with liquid substance. Label said if dry will "flash". Determined to no longer be a threat since diluted with water and in resident's garage for years.
50	7/28/2002	Sunday	4895	17:57	19:10	1:13	Haz Mat	Y	Y	N	Y	Chemicals Handling Knowledge & Equipment	DUI driver had 28 gallons of film processor solution that needed to be removed before vehicle towed. Manager from company came to scene and assumed responsibility for returning company pick-up truck and chemicals.
51	7/29/2002	Monday	5015	13:47	14:14	0:27	Consultation: Investigation	Y	N	N	Y	Chemicals Handling Knowledge & Equipment	Fire in the transformer. PG&E to assist.
52	8/23/2002	Friday	9757	20:33	21:56	1:23	Explosion, Haz Mat	N	Maybe	N	Y	Chemicals Handling Knowledge & Equipment	Ammonia explosion at a plant.
53	8/23/2002	Friday	9682	12:20	13:39	1:19	Haz-Mat Consultation	N	N	N	Y	Chemicals Handling Knowledge & Equipment	Unknown substance on cars stripped paint off cars, some of the substance still on ground
54	9/14/2002	Saturday	13522	12:45	13:05	0:20	Gas Release	n	n	N	Y	Chemicals Handling Knowledge & Equipment	Freezer with broken freon line
55	9/22/2002	Sunday	14870	21:03	23:53	2:50	Investigation	N	N	N	Y	Chemicals Handling Knowledge & Equipment	Hundreds of dead fish in pond
56	11/1/2002	Friday	21818	7:00	8:00	1:00	Gas Release	n	n	N	Y	Chemicals Handling Knowledge & Equipment	Accidental mixing up bleach and drano while cleaning. T2 onscene and used gas blowers to clear scene
57	11/23/2002	Saturday	25937	14:17	15:17	1:00	Liquid/Spill Release	N	N	N	Y	Chemicals Handling Knowledge & Equipment	Raw sewage leak
58	11/27/2002	Wednesday	26640	14:25	15:05	0:40	Gas Release	CF	N	N	Y	Chemicals Handling Knowledge & Equipment	Refrigerator releasing freon at City Hall
59	12/3/2002	Tuesday	27601	14:25	17:15	2:50	Investigation	n	n	N	Y	Chemicals Handling Knowledge & Equipment	Assist E 22 with a box containing radioactive material. Crew was preparing to enter site with Radef equipment when SJFD bomb squad arrived. HIT stood by and assisted PD.
60	12/13/2002	Friday	29380	21:32	22:59	1:27	Contamination	Unk	n	N	Y	Chemicals Handling Knowledge & Equipment	Self dispatched to man splashed with chemical.
61	12/27/2002	Friday	31976	14:24	17:19	2:55	Gas Release	Y	N	N	Y	Chemicals Handling Knowledge & Equipment	Hexaflouracetone released from small bottle in lab, one person transported to hospital
62	12/29/2002	Sunday	32245	2:46	5:16	2:30	Fire, Haz	Yes	Maybe	N	Y	Chemicals Handling Knowledge & Equipment	1-foot flame from vent pipe of 10,000 gallon liquid hydgrogen tank. HIT contacted tank servicing company which secured values and flame self-extinguished.

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63	1/15/2003	Wednesday	35105	15:00	16:15	1:15	Investigation	no	no	N	Y	Chemicals Handling Knowledge & Equipment	Responded to complaint of yellow droplets dried on cars. Appeared to be pollen, but could not confirm a source. Test neutral. Because of building manager's concern that lot was at a Federal facility, HIT took samples. Subsequent lab analsysis determined sample to be bee droppings.
64	1/19/2003	Sunday	35806	11:39	13:32	1:53	Liquid spill release	n	Maybe	N	Y	Chemicals Handling Knowledge & Equipment	Above tank spill.
65	1/23/2003	Wednesday	36528	22:21	22:33	0:12	Investigation	No	no	N	Y	Chemicals Handling Knowledge & Equipment	Possible plane or object crash. Unable to locate.
66	1/22/2003	Wednesday	36390	7:06	9:34	2:28	Liquid spill release	N	Maybe	N	Y	Chemicals Handling Knowledge & Equipment	Garbage truck leaking acid.
67	2/11/2003	Tuesday	39860	15:50	16:30	0:40	Investigation	N	no	N	Y	Chemicals Handling Knowledge & Equipment	Radioative placards on construction trailer. Trailer was empty.
68	2/18/2003	Tuesday	41065	14:02	14:30	0:28	Investigantion	CF	Maybe	Released	Y	Chemicals Handling Knowledge & Equipment	Luggage with trace of TNT. Handled by Bomb Squad at Airport.
69	2/18/2003	Tuesday	41094	16:09	17:00	0:51	Investigation	N	n	N	Y	Chemicals Handling Knowledge & Equipment	Unkown material on vehicles.
70	3/7/2003	Friday	44062	13:36	14:36	1:00	Liquid spill release	n	maybe	N	Y	Chemicals Handling Knowledge & Equipment	HIT responded on request of T29. Person working on automobile with residue of auto fluids in dumpster. Fire Prevention to handle.
71	3/11/2003	Tuesday	44749	14:53	17:49	2:56	Odor/Smell Investigation	Y	Maybe	N	Y	Chemicals Handling Knowledge & Equipment	Employee exposed to Chemical agent
72	3/27/2003	Thursday	47386	15:10	19:10	4:00	Haz mat consultation	CF	Maybe	N	Y	Chemicals Handling Knowledge & Equipment	Abandoned package at airport marked "Hazardous Materials". Handled by HIT and Bomb Squad.
73	4/11/2003	Friday	49996	3:36	4:42	1:06	Fire, Haz materials involved	N	N	N	Y	Chemicals Handling Knowledge & Equipment	Diesel fuel leak resulting from fire in an area of a parking garage that houses sprinker system
74	5/1/2003	Thursday	53124	15:02	17:00	1:58	Liquid spill	n	n	N	Y	Chemicals Handling Knowledge & Equipment	Assited T14 on a mercury spill from a broken blood pressure unit at a medical clinic. HIT cleaned the mercury with the mercury kits carried on the HIT unit. FF put on protective gear.
75	8/3/2002	Saturday	5910	8:31	10:51	2:20	Fuel Spill/Leak	No	Maybe	N	Y	Contain, control and clean capability; Large Truck or Big Rig Accident	Overturned truck with load of dirt. Small leaks of fuel, oil and hydraulic fluid. No leakage from saddle tanks with 200 gallons of diesel.
76	8/5/2002	Monday	6323	10:00	10:31	0:31	Liquid Spill/Release	N	Maybe	N	Y	Contain, control and clean capability; Large Truck or Big Rig Accident	Truck fuel line rupture; 50-75 gallons diesel fuel, single vehicle incident at a business site. HIT also checked storm drain.
77	8/15/2002	Thursday	8296	22:48	1:38	2:50	Liquid Spill/Release	Y	Maybe	N	Y	Contain, control and clean capability; Large Truck or Big Rig Accident	1,000 to 4,000 gallons gasoline spill
78	8/27/2002	Tuesday	10278	4:08	6:58	2:50	Liquid Spill/Release	No	Maybe	N	Y	Contain, control and clean capability; Large Truck or Big Rig Accident	5 to 10 gallons of diesel spilled in dump truck accident
79	9/6/2002	Friday	12082	6:00	8:00	2:00	Liquid Spill/ Release	N	Maybe	N	Y	Contain, control and clean capability; Large Truck or Big Rig Accident	Big rig rolled over; both saddle tanks leaking; Engine 10 had begun cleanup by putting spill bucket under tanks and put down absorbant

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80	9/26/2002	Thursday	15638	7:30	8:00	0:30	Fire, Haz	n	Maybe	Canceled enroute	Y	Contain, control and clean capability; Large Truck or Big Rig Accident	Battery dead on HIT truck, thus no response to incident. Prepared another unit to respond to big rig on fire, response cancelled
81	10/2/2002	Wednesday	16775	23:00	0:00	1:00	Liquid	y	Maybe	N	Y	Contain, control and clean capability; Large Truck or Big Rig Accident	Trailer with leaking valve. Liquid was hot water to keep asphalt from solidifying.
82	12/9/2002	Monday	28656	18:35	20:46	2:11	Fuel spill/leak	n	Maybe	N	Y	Contain, control and clean capability; Large Truck or Big Rig Accident	100 gal fuel spill from big rig auto accident
83	2/28/2003	Friday	42801	8:53	10:45	1:52	Liquid spill release	n	Maybe	N	Y	Contain, control and clean capability; Large Truck or Big Rig Accident	15-20 gallons of diesel fuel spill from big rig that topped off and went up hill
84	3/18/2003	Tuesday	45882	9:25	10:32	1:07	Fuel leak and spill	n	Maybe	N	Y	Contain, control and clean capability; Large Truck or Big Rig Accident	10-15 gallon fuel spill from big rig saddletanks.
85	3/27/2003	Thursday	47311	8:23	10:13	1:50	Investigation	N	Maybe	N	Y	Contain, control and clean capability; Large Truck or Big Rig Accident	Jackknifed big rig spilled tar
86	6/3/2003	Tuesday	58943	16:20	19:01	2:41	Rescue	n	Maybe	N	Y	Contain, control and clean capability; Large Truck or Big Rig Accident	Overturned big rig fuel spill with person trapped
87	6/4/2003	Wednesday	59115	17:09	20:30	3:21	liquid spill release	no	Maybe	N	Y	Contain, control and clean capability; Truck carrying chemicals accident	Swimming pool service truck spill
88	6/17/2003	Tuesday	61332	8:40	11:30	2:50	liquid spill release	n	Maybe	N	Y	Contain, control and clean capability; Truck carrying chemicals accident	Pesticide truck rolled over
89	12/17/2002	Tuesday	30140	6:51	9:20	2:29	Fire, Haz	N	Maybe	N	Y	Contain, control and clean capability; Vehicle Accident	Vehicle fire: catering truck with small propane tank leak
90	10/31/2002	Thursday	21637	10:00	12:30	2:30	Liquid	N	Maybe	N	Y	Contain, control and clean capability; Vehicle carrying chemicals accident	Pest control company vehicle on fire
91	3/21/2003	Friday	46367	9:50	11:45	1:55	abandoned chemicals	n	y	N	Y	Contain, control and clean capability; Vehicle Fluid Spill in Excess of 12 gallons	Received a call from LU3 for 4-5 gallon containers of waste motor oil because they did not have enough spill kits to handle the material.
92	8/20/2002	Tuesday	9250	22:27	23:25	0:58	Fuel Spill/Leak	N	Maybe	N	Y	Contain, control and clean capability; Vehicle Fuel Spill in Excess of 12 gallons	
93	1/5/2003	Sunday	33478	18:27	19:20	0:53	Liquid spill release	No	Maybe	N	Y	Contain, control and clean capability; Vehicle Fuel Spill in Excess of 12 gallons	
	1/15/2003	Wednesday	35168	21:55	23:30	1:35	Fuel spill/leak	[illegible]				Contain, control and clean	Van with 2 fuel tanks leaking. Assist U16.
95		[illegible]	[illegible]										Possible hydroflouric acid exposure. Two patients

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96	8/17/2002	Saturday	8614	15:31	20:42	5:11	Gas Investigation	Y	Maybe	N	Y	Detection Equipment	Underground explosion in area of gas station blew off street manhole covers.
97	8/18/2002	Sunday	8694	1:14	1:53	0:39	Investigation	Y	Maybe	N	Y	Detection Equipment	Monitor hydrocarbon samples again from prior incident # 8614
98	9/3/2002	Tuesday	11628	11:14	11:52	0:38	Gas	N	N	N	Y	Detection Equipment	Smell of natural gas in one room of building; no natural gas supplied in building.
99	9/4/2002	Wednesday	11783	10:01	10:15	0:14	Gas Detection A	Y	Y	N	Y	Detection Equipment	False gas detection alarm
100	9/24/2002	Tuesday	15334	15:17	15:59	0:42	EMS	Y	N	N	Y	Detection Equipment	Dizziness & shortness of breath by employee after opening integrated circuit package. Determined that there was no hazard from package.
101	9/27/2002	Friday	15982	6:15	8:00	1:45	Haz Mat Alarm	y	Maybe	N	Y	Detection Equipment	False toxic gas alarm
102	10/8/2002	Tuesday	17657	19:52	22:43	2:51	Explosion	y	Maybe	N	Y	Detection Equipment	Transformer explosions
103	10/18/2002	Friday	19426	11:40	15:48	4:08	Abandoned Chemicals	N	N	N	Y	Detection Equipment	Vapors from mixed chemicals that were stored in box.
104	10/30/2002	Wednesday	21556	20:20	21:50	1:30	Odor/Smell	N	N	N	Y	Detection Equipment	Smell of gasoline or kerosene near storm drain. UT13 responded but had a problem with their meter, so HIT called to respond also. Negative readings.
105	11/6/2002	Wednesday	22796	17:31	18:56	1:25	Odor/Smell	y	n	N	Y	Detection Equipment	Disgruntled customer released stink bomb.
106	11/7/2002	Thursday	22890	5:28	7:08	1:40	Odor/Smell	y	n	N	Y	Detection Equipment	Maintenance crew had applied disinfectant deodorizer in water softener area to eliminate mildew smell.
107	11/11/2002	Monday	23854	12:37	13:10	0:33	Investigation	y	Maybe	N	Y	Detection Equipment	False hazardous materials alarm
108	11/18/2002	Monday	25016	8:25	9:30	1:05	Gas	y	Maybe	N	Y	Detection Equipment	Gas detection alarm; no gas leak
109	12/16/2002	Monday	30073	19:13	20:00	0:47	Gas	n	Maybe	N	Y	Detection Equipment	False gas detection alarm
110	12/17/2002	Tuesday	30163	9:20	13:30	4:10	Explosion	N	Maybe	N	Y	Detection Equipment	Explosion involving PG&E equipment, PG&E indicated that oil from explosion was mineral oil.
111	12/22/2002	Sunday	31186	15:29	17:30	2:01	Investigation	y	Maybe	N	Y	Detection Equipment	Hazardous materials alarm; no leak
112	1/8/2003	Wednesday	33990	19:11	22:31	3:20	Gas release	Y	Maybe	N	Y	Detection Equipment	Leaking vehicle fuel propane tank
113	1/29/2003	Wednesday	37501	17:12	20:30	3:18	Gas investigation	no	no	N	Y	Detection Equipment	HIT29 assisted E22 on a gas investigation.
114	2/1/2003	Saturday	37986	10:27	11:20	0:53	Gas release	Y	no	N	Y	Detection Equipment	Leaking 300 gallon propane tank
115	2/3/2003	Monday	38928	6:54	8:28	1:34	Gas release	CF	Maybe	N	Y	Detection Equipment	Overheated tar pot at City Corporation yard
116	2/6/2003	Thursday	38986	18:31	18:56	0:25	Odor/smell investigation	N	no	N	Y	Detection Equipment	HIT staged on gas investigation with Engine & Truck. No gas release.
117	3/10/2003	Monday	44465	23:12	0:00	0:48	Gas investigation	n	n	N	Y	Detection Equipment	Assited E8 for ground water recovery treatment system leaking air which smelled slightly of gasoline.
118	4/8/2003	Tuesday	49442	18:40	18:50	0:10	Investigation	Y	n	N	Y	Detection Equipment	Phone call from T3 on scene on report of 2 propane gas tanks both of which were found to be empty. HIT advised it was an agency's responsibility if on agency property.
119	5/14/2003	Wednesday	55200	10:04	10:54	0:50	Gas release	CF	n	N	Y	Detection Equipment	First alarm assignment. HIT used equipment to determine LE limit.
120	5/27/2003	Tuesday	57506	0:22	2:02	1:40	Explosion	n	n	N	Y	Detection Equipment	Explosion in PG&E equipment electrical vault in manhole
121	8/3/2002	Saturday	6107	5:36	6:26	0:50	Haz Mat Alarm	N	Maybe	N	Y	Detection Equipment: Gas Leak: Alarm	False gas detection alarm

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122	7/5/2002	Friday	791	11:26	11:45	0:19	Gas Investigation	n	n	N	Y	Detection Equipment: Natural Gas Leak	No natural gas leak.
123	7/11/2002	Thursday	1911	9:19	9:49	0:30	Natural Gas Release	N	Maybe	N	Y	Detection Equipment: Natural Gas Leak	Construction crew ruptured gas line. Area already secure by engine/truck company. PG&E to cap leak.
124	8/28/2002	Wednesday	10535	13:12	14:08	0:56	Gas Investigation	No	No	N	Y	Detection Equipment: Natural Gas Leak	Natural gas leak. HIT & PG&E monitoring samples showed less than 10% explosive; PG&E to locate pipe and crimp it.
125	10/12/2002	Saturday	18429	12:16	13:59	1:43	Gas	N	N	N	Y	Detection Equipment: Natural Gas Leak	Resident accidently cut gas pipe while digging holes.
126	10/20/2002	Sunday	19766	13:30	14:30	1:00	Gas Release	Y	N	N	Y	Detection Equipment: Natural Gas Leak	Broken gas line at shopping center. Leak capped by PG&E.
127	11/19/2002	Tuesday	25204	10:57	11:46	0:49	Gas	y	no	N	Y	Detection Equipment: Natural Gas Leak	Natural gas leak. PG&E onscene to shut off gas.
128	2/13/2003	Thursday	2130	13:17	13:40	0:23	Incident report	n	y	N	Y	Detection Equipment: Natural Gas Leak	Self dispatched to natural gas odor.
129	3/28/2003	Friday	47544	13:35	14:52	1:17	Gas release	n	y	N	Y	Detection Equipment: Natural Gas Leak	Construction crew severed gas line. PG&E already on scene. No action by HIT.
130	4/8/2003	Tuesday	49340	8:54	13:47	4:53	Gas release	n	maybe	N	Y	Detection Equipment: Natural Gas Leak	Natural Gas Leak at construction site
131	4/10/2003	Thursday	49752	17:04	17:40	0:36	Gas investigation	Y	n	N	Y	Detection Equipment: Natural Gas Leak	Smell of natural gas throughout the building.
132	4/10/2003	Thursday	49777	19:14	20:14	1:00	Gas release	n	y	N	Y	Detection Equipment: Natural Gas Leak	Natural gas leak at apartment building
133	8/10/2002	Saturday	7298	13:33	14:41	1:08	Fuel Spill/Leak	N	N	N	Y	Expertise to plug vehicle leaking gasoline	Vehicle leaking gasoline
134	1/22/2003	Wednesday	20057	8:07	8:10	0:03	Alarm	Y	Maybe	Cancelled enroute	Y	Handled by Engine	Water Flow Alarm: Sprinkler system failure
135	7/12/2002	Friday	2167	16:47	18:38	1:51	Fire, Haz Mat	Y	N	N	Y	Hazardous Materials Fire	Air compressor leaking water and oil, thus vapor appears to look like black smoke.
136	11/8/2002	Friday	23362	18:46	18:56	0:10	Fire/Haz Mat Alarm	y	Maybe	Cancelled enroute	Y	Handled by Engine	Appears to be false hazardous materials alarm.
137	7/10/2002	Wednesday	1767	16:06	17:38	1:32	Fire	Y	N	N	Y	High Tech Firm: Fire	Fire caused by overheated unit
138	7/9/2002	Tuesday	1535	14:22	14:48	0:26	Consultation: Investigation	Y	N	N	Y	High Tech Firm: Fire Investigation	Fire Investigation, requested by Battalion29.
139	11/10/2002	Sunday	23739	19:00	19:20	0:20	Alert 2	CF	Maybe	N	Y	Chemicals Handling Knowledge & Equipment	Small aircraft can't lower landing gear.
140	3/11/2003	Tuesday	44729	13:17	14:57	1:40	Investigation	n	yes	N	Y	Private Properety: Abandoned oil Process Knowledge	Dumped 50 five gallon containers of roofing materials
141	1/3/2003	Friday	33111	10:46	11:35	0:49	Investigation	No	Y	N	Y	Private Property: Soil Contamination Process knowledge	San Jose Environmental inspector found two 5 gallon containers of oil or transmission fluid. HIT assisted with information gathering. Responsible party had not cleaned up soil.
142	2/14/2003	Friday	40350	10:15	11:30	1:15	Investigation	Y	y	N	Y	Private Property:Abandoned oil Process Knowledge	Illegal dumping of large amount of motor oil. Require responsible party to clean up.
143	7/28/2002	Sunday	4829	13:13	14:59	1:46	Investigation	N	N	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	Site investigation after fire. Numerous abandoned vehicle batteries, 55 gallon metal drums, 5 gal fuel cans, ammunication. HIT checked fire ground water run-off.

Attachment 8
List of 2002-03 HIT Incident Information

Number of Incidents	Date	Day of the Week	Incident#	Start Time	End Time	Total Event Time	Type of Incident	Permitted Facility	Potential Reimburse-ment	Cancelled enroute	Requires HIT Expertise and/or Equipment (Y/N)	Reason Incident Requires HIT Expertise and/or Equipment; or Reason Cancelled	Summary of Daily Journal Description of Incident
144	8/5/2002	Monday	6383	15:31	19:51	4:20	Consultation: Investigation	No	Maybe	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	Jackknifed gas truck. No spill. HIT covered near-by storm drain and waited for another truck to off load fuel
145	8/17/2002	Saturday	8578	12:23	13:03	0:40	Solid Spill Release	N	Maybe	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	Vehicle repair residue
146	8/19/2002	Monday	8971		0:18	0:30	Investigation	N	N	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	30 paint cans dumped down the curb
147	9/13/2002	Friday	13400		15:37	0:39	Investigation	Y	Y	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	Photo lab dumping liquid down courtyard drain
148	9/14/2002	Saturday	13477	0:00	0:38	0:38	Investigation	No	Maybe	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	Report of employee of dialysis center dumping chemicals into storm drain
149	9/28/2002	Saturday	16031	14:26	17:22	2:56	Liquid	N	N	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	Grease flowing to storm drain
150	10/18/2002	Friday	19422	10:22	11:40	1:18	Liquid	N	Maybe	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	Contractor washing paint down storm drain. Call completed by USAR 16 so that HIT could respond to pending call.
151	10/21/2002	Monday	19859	5:00	6:30	1:30	Liquid	N	N	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	Foam used by Engine to fight fire flowing into creek.
152	10/25/2002	Friday	20607	16:20	17:34	1:14	Liquid	N	Maybe	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	Maintenance worker dumped paint down storm drain.
153	10/31/2002	Thursday	21745	20:22	0:00	3:38	Liquid	N	Maybe	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	Fuel delivery, accidental overfilling. 350 gal of fuel into storm drain.
154	12/20/2002	Friday	30909	20:00	21:00	1:00	Odor/Smell	n	n	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	Plumber clearing storm drain smelled oil; was not oil.
155	1/1/2003	Wednesday	32829	12:41	16:21	3:40	Liquid spill release	y	y	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	Fuel spill at gas station
156	1/15/2003	Wednesday	35066	9:50	11:50	2:00	Liquid spill release	No	Yes	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	Runoff from concrete sawing operation going down the gutter into storm drain system.
157	2/17/2003	Monday	40900	12:25	16:14	3:49	Liquid spill release	n	n	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	Fuel Spill Into Creek
158	2/20/2003	Thursday	41413	13:30	14:52	1:22	Liquid spill release	Y	Maybe	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	Ford had small leak. Approx 1/2 gallon in the storm drain and 2 gallons in the gutter.
159	5/6/2003	Tuesday	53973	16:26	17:45	1:19	Liquid spill release	n	y	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	Paint spill.
160	5/12/2003	Monday	54870	12:25	14:15	1:50	Liquid spill release	N	y	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	Retail hardware store washing down paint into storm drain.

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161	5/12/2003	Monday	54911	16:53	18:20	1:27	liquid spill release	N	y	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	Oil spill from a restaurant.
162	5/19/2003	Monday	56190	19:23	20:45	1:22	Liquid spill release	CF	maybe	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	Jet fuel spill at airport.
163	6/13/2003	Friday	40197	15:47	17:32	1:45	Investigation	Y	n	N	Y	Storm Drain: Testing and Cleaning of Materials Capability; Maps	Assisted Santa Clara's HIT with tracking down a release. Possible release could travel from Santa Clara to San Jose through storm drain.
164	7/3/2002	Wednesday	413	8:49	15:35	6:46	Liquid Spill/ Release	n	N	N	Y	Testing Equipment: Abandoned Chemicals	Abandoned chemicals from possible illegal drug lab.
165	7/7/2002	Sunday	1143	14:11	14:46	0:35	Consultation: Investigation	N	N	N	Y	Testing Equipment: Abandoned Chemicals	Four abandoned 5-gallon containers found at a fire scene. Determined to contain water and latex paint.
166	7/7/2002	Sunday	1192	18:41	19:17	0:36	Consultation: Investigation	N	N	N	Y	Testing Equipment: Abandoned Chemicals	Possible drug lab. Determined to be dripping bird feeder liquid.
167	8/2/2002	Friday	5751	12:00	14:00	2:00	Solid Spill Release	N	N	N	Y	Testing Equipment: Abandoned Chemicals	Possible drug lab supplies dumping. Two 5 gallon buckets containing white powder. Tests negative.
168	8/7/2002	Wednesday	6701	10:11	10:48	0:37	Consultation: Investigation	No	No	N	Y	Testing Equipment: Abandoned Chemicals	15 to 20 plastic containers with residual chemicals appeared to have fallen out of truck. Hydrofluric acid/sulfuric acid
169	8/8/2002	Thursday	6929	14:09	14:55	0:46	Investigation	N	N	N	Y	Testing Equipment: Abandoned Chemicals	Call regarding white powder. Determined to be flaky white liquid paper on an envelope; tests negative.
170	8/29/2002	Thursday	10690	10:29	11:58	1:29	Investigation	Y	N	N	Y	Testing Equipment: Abandoned Chemicals	8 unknown containers left near dumpster
171	9/16/2002	Monday	13869	12:00	13:13	1:13	Abandoned Chemicals	N	Y	N	Y	Testing Equipment: Abandoned Chemicals	Abandoned chemicals
172	9/20/2002	Friday	14703	23:15	23:47	0:32	Investigation	CF	N	N	Y	Testing Equipment: Abandoned Chemicals	White powder at airport, test negative; safe for custodian to clean up
173	9/27/2002	Friday	15912	18:00	20:30	2:30	Investigation	N	N	N	Y	Testing Equipment: Abandoned Chemicals	Resident recieved package with toy with white poweder. Negative for anthrax
174	10/16/2002	Wednesday	19116	14:56	16:15	1:19	Investigation	N	n	Unk	Y	Testing Equipment: Abandoned Chemicals	Abandoned chemicals
175	10/19/2002	Saturday	19593	10:30	11:30	1:00	Investigation	N	N	N	Y	Testing Equipment: Abandoned Chemicals	Abandoned 5 gallon container sulfuric acid
176	10/25/2002	Friday	20547	11:42	12:35	0:53	Liquid	Yes	N	N	Y	Testing Equipment: Abandoned Chemicals	Spill at old chemistry lab at high school that was being renovated. Tests negative.
177	10/29/2002	Tuesday	21255	11:00	12:30	1:30	Solid	N	N	N	Y	Testing Equipment: Abandoned Chemicals	Leaking container of possible cyanic acid found on private property. Instructed property manager to keep area secure and arrange for clean up and disposal.
178	11/1/2002	Friday	21883	14:16	14:46	0:30	Solid	n	n	Unk	Y	Testing Equipment: Abandoned Chemicals	Red and white powder on road.
179	11/17/2002	Sunday	24921	16:45	17:25	0:40	Investigation	N	n	N	Y	Testing Equipment: Abandoned Chemicals	Determined that material was rain water in a mismarked 55 gal drum.
180	11/18/2002	Monday	25032	10:21	11:45	1:24	Abandoned	N	n	N	Y	Testing Equipment: Abandoned Chemicals	Abandoned methamphetamine lab waste
181	11/26/2002	Tuesday	26425	10:45	11:25	0:40	Abandoned Chemicals	n	n	N	Y	Testing Equipment: Abandoned Chemicals	Abandoned 5 gallon container of fluid determined to be urine mixed with detergent.
182	1/6/2003	Monday	60081	13:50	16:25	2:35	Abandoned chemicals	N	Y	N	Y	Testing Equipment: Abandoned Chemicals	16 five-gallon containers of abandoned industrial cleaning chemicals.

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List of 2002-03 HIT Incident Information

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183	1/15/2003	Wednesday	35159	19:55	21:55	2:00	Odor/smell investigation	No	no	N	Y	Testing Equipment: Abandoned Chemicals	Possible drug lab
184	1/20/2003	Monday	35958	9:11	11:00	1:49	Liquid spill release	Y	maybe	N	Y	Testing Equipment: Abandoned Chemicals	Was an illegal dumping call. On investigation HIT found that in the 55 gallon drums were some one gallon paint and stain containers.
185	1/21/2003	Tuesday	36174	17:20	18:50	1:30	Abandoned chemicals	No	No	N	Y	Testing Equipment: Abandoned Chemicals	Responded to investigate a plastic 55 gallon drum.
186	1/21/2003	Tuesday	35156	15:30	16:30	1:00	Abandoned chemicals	No	maybe	N	Y	Testing Equipment: Abandoned Chemicals	5 gallon abandoned container labeled Morline. Container bagged and sent to Station 29
187	1/30/2003	Thursday	37643	10:15	13:10	2:55	abandoned chemicals	no	no	N	Y	Testing Equipment: Abandoned Chemicals	Abandoned mini methamphetamine lab in suit case
188	2/4/2003	Tuesday	38534	10:27	12:32	2:05	Solid spill release	Y	no	N	Y	Testing Equipment: Abandoned Chemicals	White powder and an employee displaying a burning sensation on her hands. Test negative.
189	2/10/2003	Monday	39698	17:14	19:41	2:27	Abandoned chemicals	No	No	N	Y	Testing Equipment: Abandoned Chemicals	Suspected methamphetamine lab. Assisted E2. HIT released E2 and assumed incident command.
190	2/13/2003	Thursday	40239	18:10	19:15	1:05	Incident report	CF	no	N	Y	Testing Equipment: Abandoned Chemicals	White powder at airport from a hand squeeze ball. Tests negative.
191	2/15/2003	Saturday	40625	17:55	18:39	0:44	Contamination exposure	no	no	N	Y	Testing Equipment: Abandoned Chemicals	Abandoned yellow bags marked hazardous waste and containing emergency response suits. HIT tested suits; negative results. Determined that suits had been stolen earlier from a high tech firm.
192	2/21/2003	Friday	41606	15:05	15:44	0:39	investigation	n	n	N	Y	Testing Equipment: Abandoned Chemicals	Assisted E25 on an abandoned 55 gallon drum. HIT tested contents and found them to be negative.
193	3/12/2003	Wednesday	44897	14:00	20:20	6:20	Liquid spill release	n	yes	N	Y	Testing Equipment: Abandoned Chemicals	Illegal dump of 37 Five gallon containers: 22 with items such as paint and 15 empty
194	4/7/2003	Monday	49166	9:51	11:02	1:11	Abandoned chemicals	Y	n	N	Y	Testing Equipment: Abandoned Chemicals	Two abandoned de-ionized water cylinders.
195	4/17/2003	Thursday	50895	14:38	15:30	0:52	Investigation	n	n	N	Y	Testing Equipment: Abandoned Chemicals	Received a call from E7 with a 55 gallon drum of unknown material. Material found to be non-hazardous.
196	5/2/2003	Friday	53337	20:30	21:00	0:30	Meth lab	n	n	N	Y	Testing Equipment: Abandoned Chemicals	HIT responded to assist T 29 with possible methamphetamine lab
197	5/2/2003	Friday	53371	3:45	4:45	1:00	Meth lab	n	n	N	Y	Testing Equipment: Abandoned Chemicals	HIT responded to assist E19 as a reference for a possible methamphetamine lab.
198	5/14/2003	Wednesday	55194	9:10	9:20	0:10	haz mat consultation	n	n	N	Y	Testing Equipment: Abandoned Chemicals	Call from E5 on several barrels of material marked non hazardous waste. HIT to check out at its convenience.
199	6/2/2003	Monday	58823	23:07	0:00	0:53	Abandoned chemicals	CF	n	N	Y	Testing Equipment: Abandoned Chemicals	Assist USAR5 on scene at the airport to assist with suspicious package discovery. Determined to contain liquid cheese.
200	6/2/2003	Monday	58783	19:11	20:11	1:00	Fire haz materials involved	CF	n	N	Y	Testing Equipment: Abandoned Chemicals	Grass fire endangering a number of 55 gallon drums. Drums contained waste products from recent Hwy 87 construction
201	6/4/2003	Wednesday	59101	15:01	16:51	1:50	Abandoned Chemicals	N	Maybe	N	Y	Testing Equipment: Abandoned Chemicals	2 five gallon containers abandoned chemicals: Carboxylic Acid
202	6/6/2003	Friday	59414	11:28	12:02	0:34	Investigation White Powder	Y	N	N	Y	Testing Equipment: Abandoned Chemicals	White powder found in elavator. Appears to be material found in dry chemical extinguisher. Advised building manager on how to clean it up.

Attachment 8
List of 2002-03 HIT Incident Information

Number of Incidents	Date	Day of the Week	Incident#	Start Time	End Time	Total Event Time	Type of Incident	Permitted Facility	Potential Reimburse-ment	Cancelled enroute	Requires HIT Expertise and/or Equipment (Y/N)	Reason Incident Requires HIT Expertise and/or Equipment; or Reason Cancelled	S
203	6/6/2003	Friday	59426	12:57	13:30	0:33	Investigation of abandoned paint	n	y	N	Y	Testing Equipment; Abandoned Chemicals	P g
204	6/16/2003	Sunday	61150	10:47	11:19	0:32	Investigation	n	n	N	Y	Testing Equipment; Abandoned Chemicals	
205	8/22/2002	Thursday	9449	8:01	8:53	0:52	Abandoned Chemicals	N	N	N	Y	Transporting of abandoned materials for storage	
206	10/24/2002	Thursday	20401	14:00	14:30	0:30	Abandoned Chemicals	N	N	N	Y	Transporting of abandoned materials for storage	
207	11/17/2002	Sunday	24515	12:00	13:00	1:00	Abandoned Chemicals	n	n	N	Y	Transporting of abandoned materials for storage	
208	11/28/2002	Thursday	26831	18:51	19:36	0:45	Abandoned Chemicals	N	n	N	Y	Transporting of abandoned materials for storage	
209	12/11/2002	Wednesday	28908	9:27	10:06	0:39	Abandoned Chemicals	N	Maybe	N	Y	Transporting of abandoned materials for storage	
210	1/11/2003	Saturday	34523	0:43	2:15	1:32	Liquid spill release	No	No	N	Y	Transporting of abandoned materials for storage	
211	5/12/2003	Monday	54836	9:50	10:30	0:40	Abandoned chemicals	n	n	N	Y	Transporting of abandoned materials for storage	
212	5/19/2003	Monday	56060	8:00	9:00	1:00	liquid spill release	n	n	N	Y	Transporting of abandoned materials for storage	up and disposal.
213	12/1/2002	Sunday	27344	20:05		0:15	Contamination	Unk	Unk	Unk	Y	Unknown	Journal page missing
214	9/18/2002	Wednesday	14163			0:52	Liquid	Unk	Unk	Unk	Y	Unknown	Journal page missing
215	11/21/2002	Thursday	25601	12:39		0:21	Liquid	Unk	Unk	Unk	Y	Unknown	Journal page missing
216	2/3/2003	Monday	38340	11:50		1:20	Solid	Unk	Unk	Unk	Y	Unknown	Journal page missing
217	2/4/2003	Tuesday	38495	5:52		2:15	Gas release	Unk	Unk	Unk	Y	Unknown	Journal page missing
218	2/6/2003	Thursday	38892	9:20		1:10	Gas release	Unk	Unk	Unk	Y	Unknown	Journal page missing
Total Incident Hours						278:51:00							

Attachment 9

2002-03 Summary of HIT Incidents by Type of Reason Incident Required HIT Expertise and/or Equipment

Reason Incident Required HIT Expertise and/or Equipment	Number of incidents	% of Total incidents	Total Hours by Type of Incident	% of Total Time	Average Hours per Type of Incident
Air Pump to pump out remaining fuel from vehicle involved in accident	4	2%	5:50:00	2%	1:27:30
Cancelled: Handled by Other Units	43	20%		4%	0:16:57
Chemicals Handling Knowledge & Equipment	28	13%	40:39:00	15%	1:27:06
Contain, control and clean capability;Truck or Vehicle Accidents	21	10%	39:21:00	14%	1:52:26
Decontamination Equipment	1	0%	3:55:00	1%	3:55:00
Detection Equipment	38	17%	57:16:00	21%	1:30:25
Hazardous Materials Fire	3	1%	3:49:00	1%	1:16:20
Unknown	6	3%	6:13:00	2%	1:02:10
Storm Drain: Testing and Cleaning of Materials Capability; Maps	21	10%	38:43:00	14%	1:50:37
Testing Equipment: Abandoned Chemicals	44	20%	62:58:00	23%	1:25:52
Transporting of abandoned materials for storage	9	4%	7:58:00	3%	0:53:07
Total HIT Incidents	218	100%	278:51:00	100%	1:16:45

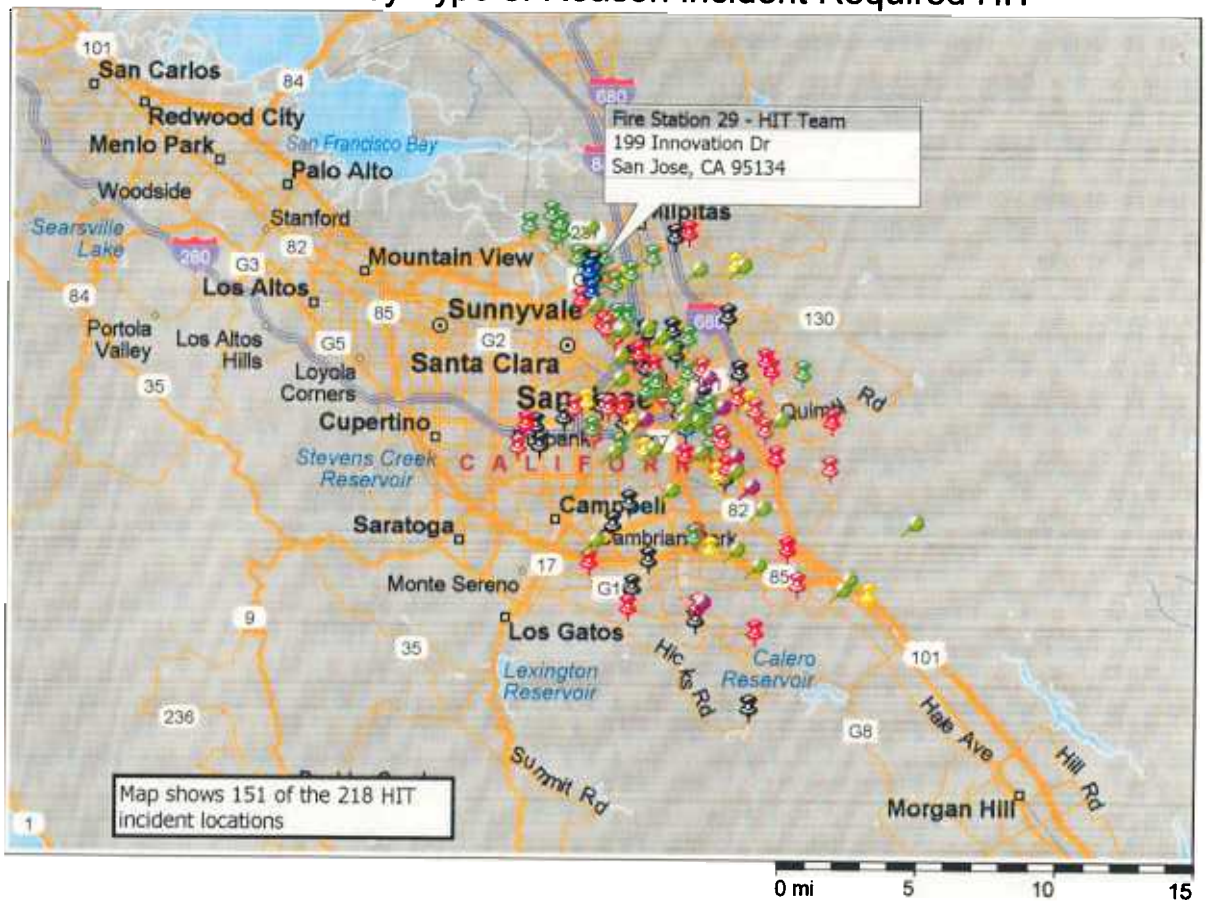
Attachment 10: 2002-03 Map of HIT Incident Locations by Type of Reason Incident Required HIT

Pushpins

- Fire Station 29 - HIT Team Location

Reason Incident Requires HIT by Street Address

- Canceled: Handled by Other Units
- Chemicals Handling Knowledge & Equipment
- Contain, control and clean capability; Truck or other vehicle
- Detection Equipment
- Hazardous Materials Fire
- Storm Drain: Testing and Cleaning of Materials Capability; M...
- Testing Equipment: Abandoned Chemicals
- Transporting of abandoned materials for storage



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