

# **FISCAL YEAR 2014**

## **OCCUPATIONAL SAFETY AND**

## **ENVIRONMENTAL COMPLIANCE**

### **ANNUAL REPORT**



Prepared by:  
Employee Services Agency  
Occupational Safety and  
Environmental Compliance Division  
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**November 2014**



# **County of Santa Clara**

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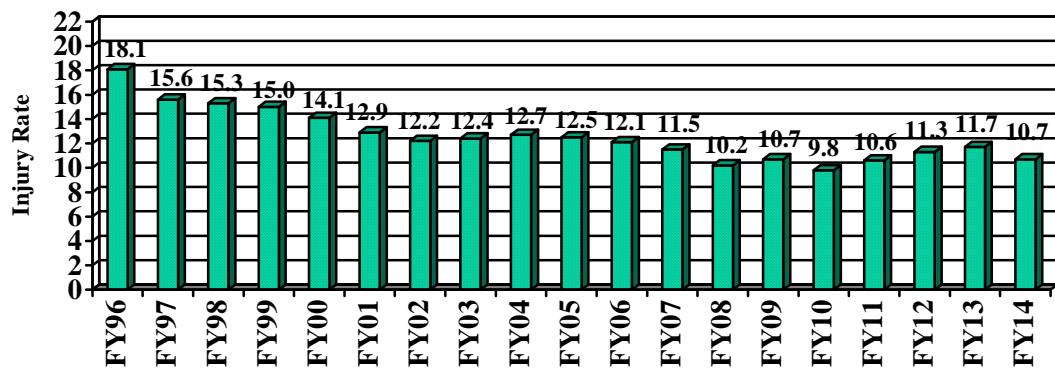
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# EXECUTIVE SUMMARY

As significant budgetary reductions over the last several years continue to impact County agencies and departments, the County continues to maintain a high level of regulatory compliance with California safety and environmental laws. Additionally, the County's injury rate has remained low while the number of environmental site mitigation projects has remained steady. During FY14 the County experienced no governmental regulatory environmental or safety citations or fines. Highlights of this annual report are shown in the following trending and data information.

## Occupational Safety

The County's overall recordable injury rate has shown a consistently steady pattern over the last several years (**Figure 1**).

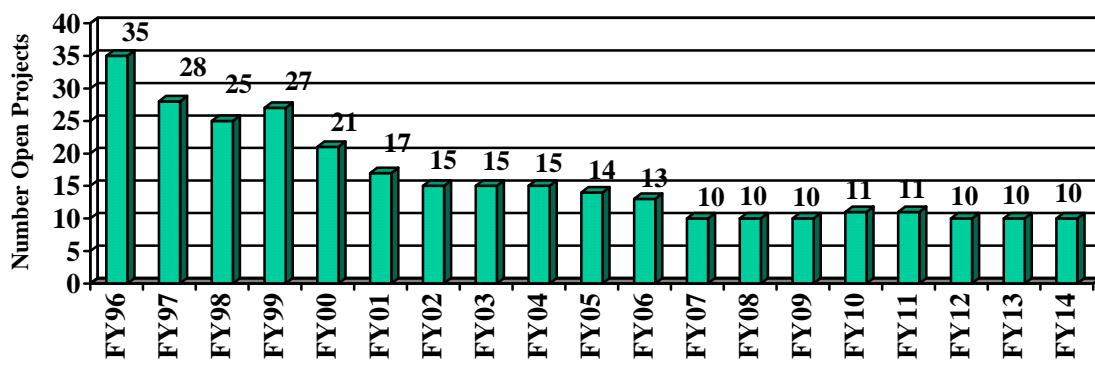


**Figure 1:**  
Comparison Annual Injury Rates

The FY14 injury rate of 10.7\* reflects a slight increase from the injury rate of 11.7 experienced during FY13. The Santa Clara County continues to maintain one of the lowest injury rates and lowest Workers Compensation costs (about one dollar per \$100 of payroll) compared to other major public California governmental organizations (i.e. the City of San Jose at five dollars per \$100 of payroll). The result is that more general fund dollars continue to be available to provide critical services for County customers and clients.

## Environmental Protection

The County has maintained a high level of compliance with California environmental regulations, even though the County has continued to acquire additional properties and upgrade its buildings and facilities, including the acquisition of the old San Jose City Hall (**Figure 2**).



**Figure 2:**  
Number Open Mitigation Projects



# **INTRODUCTION**

This annual report is a summary of the County's safety and environmental issues and accomplishments for FY14. The mission and responsibilities of the Occupational Safety and Environmental Compliance (OSEC) Department of Employee Services Agency are developed in partnership with and guidance from the Santa Clara Countywide Safety Committee and direction from Senior County Executive Management. Additionally, department heads, middle managers and supervisors are held accountable for providing proper training, a safe work environment, and prompt resolution of environmental health and safety issues.

## **OSEC Mission**

OSEC's mission is to develop policies and to provide oversight for the Environmental, Health and Safety programs applicable to the operations of the County of Santa Clara. OSEC assists in the training of County employees, the development of programs, and the impartial investigation of issues. OSEC evaluates and responds to the diverse needs of all agencies/ departments and monitors activities to protect County employees and the public we serve.

## **OSEC Responsibilities**

OSEC...

- Provides appropriate and effective response to all environmental and occupational safety issues.
- Supports a safety-conscious and environmentally friendly workforce.
- Develops occupational safety programs and training that result in a safer workplace.
- Provides departments with guidance in the areas of environmental, health, and safety policies and procedures.
- Helps County Agencies/Departments maintain compliance with applicable regulations.
- Maintains and makes available current information, including technical information, applicable environmental and occupational safety policies and regulations and their interpretations.
- Continually improves environmental compliance and occupational safety programs.

OSEC works with five full time departmental environmental and safety specialists, and approximately eighty safety coordinators who devote part of their time to safety programs. Together, they support eight major agencies and twenty-six County departments with over 16,000 employees.

We encourage each Department to review the information provided in this report and contact OSEC at 441-4282 for more information.



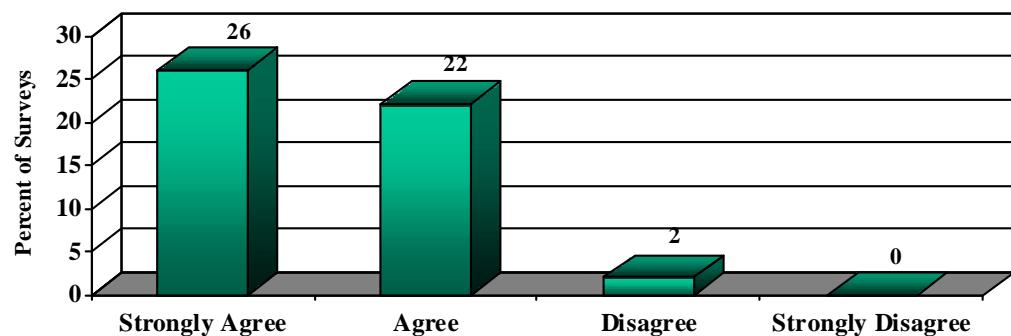
# OCCUPATIONAL SAFETY AND ENVIRONMENTAL COMPLIANCE (OSEC) STAFF



**LEFT TO RIGHT:** **Dave Jones**, Environmental Health and Safety Compliance Specialist; **Zohreh Pierow**, Principal Environmental Specialist; **Jorinda Gallardo**, Administrative Assistant; **Tom Rudolph**, CIH, CSP, REA, CAC, ARM, Program Manager III; **Tristan Robledo**, Environmental Health and Safety Analyst; **Tyler Nguyen**, CSP, Principal Occupational Safety Specialist; **Thom Steinmetz**, Senior Occupational Safety Compliance Specialist.

## OSEC Customer Service

During the last Risk Management Customer Service Survey taken, over 150 questionnaires were sent out to agencies, departments and organizations that utilize OSEC support and services. The overall results of the survey (**Figure 14**) were very positive, in that **nearly 97%** of the responses strongly agree/agree that OSEC is providing good customer service.



**Figure 3:**  
**Survey Ratings**

OSEC strives to provide safety and environmental services in a relevant, reliable, responsive and respectful manner. Further, OSEC is committed to providing good customer by consistently meeting or exceeding customer expectations

## **Ongoing OSEC Initiatives**

OSEC sponsored three new initiatives to improve the quality and effectiveness of the County safety program. These initiatives included:

- Enhancing the *safety training curriculum* for Safety Coordinators and employees.
- Providing *comprehensive ergonomic services* for County departments.
- Improving *infectious disease prevention and control*, including enhanced training and tracking of potentially exposed County employees.

## **Safety Coordinators and Safety Professionals**

Safety Coordinators along with Safety/Environmental Professionals are the cornerstone of departmental safety programs at the County of Santa Clara. Positive trends in safety performance and reductions in injury rates can largely be attributed to the many efforts of these individuals.

The County depends on the efforts of volunteer Safety Coordinators and full-time Safety/Environmental Professionals in each department to carry out day-to-day safety activities such as inspecting workplaces, responding to hazard reports, coordinating training, and investigating accidents. These individuals are additionally responsible for maintaining records of the above safety activities, assisting in Workers' Compensation and Cal-OSHA injury and illness record-keeping, providing OSEC with periodic safety activity updates, participating in Safety Coordinator Forums and training sessions, and representing their department during regulatory inspections.

Full-time Safety/Environmental Professional represents and supports the following County departments:

- Roads & Airports (2)
- Parks & Recreation Department (1)
- Health and Hospital System (2)

## **Safety Coordinator Forums**

Six Safety Coordinator Forums were offered during FY14 with topics covering supervisor safety guidance, safety communication updates, serious injury reporting, injury investigation, Automated External Defibrillators (AED's), Aerosol Transmissible Diseases (ATD), Cal-OSHA record keeping requirements, and Injury and Illness Prevention Plan (IIPP) training.

## **Countywide Joint Management Safety Committee Meeting and Annual Safety Seminar**

OSEC continued to participate in the monthly safety meetings of the County-wide Joint Labor Management Safety Committee which is designed to facilitate communications between departments on health and safety issues. OSEC, in cooperation with members of the County-Wide Joint Labor Management Safety Committee, organized and presented the 29<sup>th</sup> Annual County-Wide Safety Seminar, an all-day information and training forum open to all County employees. Almost 600 County employees attended the event, which was held at the Santa Clara Convention Center.



**Santa Clara Countywide Safety Seminar**

Safety Seminar training sessions covered a range of topics including Ergonomics, Infectious Disease Control, Hazard Communication, Post-Injury Procedures, Domestic Violence in the Workplace, Emergency Preparedness, and Disaster Service Workers.

## **Additional OSEC Sponsored Safety Training**

OSEC provided the following additional types of safety training during FY14:

- New Employee Orientation Safety training
- Leadership Academy Supervisory training
- Bloodborne Pathogen training
- Ergonomics training
- Hazardous Waste Manifest Update training
- E-Waste regulatory compliance training
- Supervisor California OSHA training
- Workplace Violence Prevention training
- Office Professionals (TOP) training
- WWP/PSP Site Supervisor training



## **OSEC Sponsored Safety Training Sessions**

### **Kids Safety Poster Contest**

OSEC in conjunction with the Countywide Labor/Union Management Safety Committee again sponsored the Kids Safety Poster Contest to raise safety awareness for employees.



## **Kids Safety Winning Posters**

# ENVIRONMENTAL COMPLIANCE

## FISCAL YEAR 2014

### Overview

This section of the Annual Report describes the County's environmental compliance activities during the period of July 1, 2013 through June 30, 2014 (FY14), and provides an assessment of the County's level of compliance with applicable regulations. **Table 1** presents the main elements of the County's Environmental Compliance Program, which has been modified and improved over the last several years to meet ongoing regulatory requirements and changes. The objectives of each element are listed below, along with their associated information management tools and procedures.

**Table 1**  
**Environmental Compliance Activities**

AUDIT & INSPECTION COMPLIANCE	PERMIT & PLAN COMPLIANCE	HAZARDOUS WASTE	CONTAMINATED SITE CLEAN UP	SPILL RESPONSE
<u>Objectives:</u> <ul style="list-style-type: none"><li>• Periodically audit County facilities to ensure environmental compliance</li><li>• Respond to external inspections and citations</li></ul>	<u>Objectives:</u> <ul style="list-style-type: none"><li>• Achieve and maintain 100% compliance</li></ul>	<u>Objectives:</u> <ul style="list-style-type: none"><li>• Reduce volume</li><li>• Increase recycling</li><li>• Decrease toxicity</li><li>• Emphasize cost effectiveness</li><li>• Improved management</li></ul>	<u>Objectives:</u> <ul style="list-style-type: none"><li>• Appropriately prioritize and document findings</li><li>• Obtain site closure</li><li>• Underground Storage tank removal</li></ul>	<u>Objectives:</u> <ul style="list-style-type: none"><li>• Proper and rapid response to protect human health and the environment</li></ul>
<u>Procedures:</u> <ul style="list-style-type: none"><li>• Periodic updates</li><li>• Semi-annual Agency reports to OSEC</li><li>• Procedures and checklists included in Injury and Illness Prevention Program (IIPP) manual</li><li>• Take and direct corrective action</li></ul>	<u>Procedures:</u> <ul style="list-style-type: none"><li>• Oversee of Agency reports by OSEC</li><li>• Training</li><li>• Cost management</li><li>• Department tracking</li></ul>	<u>Procedures:</u> <ul style="list-style-type: none"><li>• Manifests/Bills of Lading</li><li>• Contract compliance</li><li>• Cost management</li><li>• Waste minimization and the County's Pollution Prevention Program</li><li>• Waste hauling contract</li><li>• Hazardous materials and waste training</li></ul>	<u>Procedures:</u> <ul style="list-style-type: none"><li>• Clean up reports</li><li>• Environmental training</li></ul>	<u>Procedures:</u> <ul style="list-style-type: none"><li>• Spill Reports</li><li>• Training and procedure manual</li><li>• MAC Room notification</li><li>• Emergency Response Teams</li></ul>

Overall environmental compliance throughout the County has continued to be maintained during the past fiscal year. This is reflected in the fact that the County obtained all required environmental permits and received no California OSHA citation during FY14.

### OSEC Environmental and Safety Board Contracts

OSEC continues to administer the County's hazardous waste disposal contract, the medical waste disposal contract, the industrial hygiene services contract, the sanitation services contracts, the occupational medical contract, and several other safety and environmental training contracts. OSEC continues to find ways to improve the County's ability to manage these safety efforts and responsibilities, and to limit the liability associated with these risk management activities.

## **Facility-Related Investigations and Audits**

Environmental/safety investigations and audits are conducted for County facilities to ensure compliance with the Department of Toxic Substance Control under California EPA (California Code of Regulations, Title 22) as well as compliance with California OSHA's General Industry Safety Orders (California Code of Regulations, Title 8). Areas of consideration covered by these investigations and audits include identification and resolution of the following concerns:

- Unsafe procedures and acts
- Unsafe facility conditions and equipment
- Indoor air quality issues (mold, asbestos, lead, etc.)
- Bloodborne pathogen issues (AIDS, hepatitis, etc.) and sanitation (MRSA, etc.)
- Chemical inventory and appropriate personal protective equipment
- Hazardous material/waste storage and handling
- Air, water, and soil environmental sampling and monitoring requirements

**Table 2** below summarizes the number of investigation and audits currently required by each County agency, along with the ongoing activities conducted by Safety Coordinators.

**Table 2**  
**Investigations and Audits Conducted by Agency**

COUNTY AGENCY	Number Inspections Required	Number Inspections Conducted	Number Inspections Overdue
Parks and Recreation Department (PAR)	20	20	0
Facilities and Fleet Department (FAF)	20	20	0
Valley Medical Center (VMC)	152	152	0
Roads & Airports Department (R&A)	8	8	0
Occupational Safety and Environmental Compliance (OSEC)	20	20	0

## **Investigation/Audit Activity and Environmental Highlights**

Highlights of the facility-related investigation and audit activity conducted by OSEC and County departmental environmental and safety staff, along with other environmental compliance accomplishments are as follows:

### **Occupational Safety and Environmental Compliance (OSEC):**

- OSEC and the Facilities and Fleet (FAF) continued to collect and recycle batteries and fluorescent lamps during FY14 from County buildings as part of Santa Clara County's Board of Supervisors emphasis on recycling in the County. Current California waste regulations do not allow for batteries to be placed in the County's normal trash cans or bins for disposal.
- OSEC and the Facilities and Fleet (FAF) have been working with the County's Household Hazardous Waste/CESQG Program to track and dispose the different types the batteries through a special project with a Battery Manufacturers Consortium. The Battery Manufacturers Association and the HHW/CESQGP are absorbing the disposal costs for the County in exchange for data on Battery types, location of origin, and poundage
- OSEC and the Facilities and Fleet (FAF) oversaw payment and issuance of hazardous materials and waste permits for 46 County facilities.
- OSEC and the Facilities and Fleet (FAF) responded to and provided follow-up for inspections of County hazardous materials storage facilities by the Hazardous Materials Compliance Division (HMCD).
- OSEC and the Facilities and Fleet (FAF) completed annual testing of five County underground storage tank (UST) systems.
- OSEC continues to collaborate with the County departments that generate hazardous waste to maintain a cost-reducing regular monthly pickup schedule with the County's hazardous waste disposal contractor.

### **Parks and Recreation:**

- Parks and Recreation Department continues to collect and recycle batteries and fluorescent lamps during FY14 from over 16 Park locations as part of Santa Clara County's Board of Supervisors emphasis on recycling in the County. Current California waste regulations do not allow for batteries or fluorescent tubes to be placed in the County's normal trash cans or bins for disposal.
- Parks and Recreation oversaw payment and issuance of hazardous materials, waste, fuel tanks, propane tanks, compressors and landfill permits for all Parks facilities.

- Parks and Recreation Department continues to work with a public/private consortium of interested/affected parties including the SCVWD, Waste Management and the City of San Jose to begin consolidated watershed monitoring for the entire Guadalupe River watershed to continue to monitor mercury related discharges from the legacy mining area in and around Almaden Quicksilver County Park.
- Parks and Recreation Department continues to work on various projects to remediate mercury contamination from past mining impacts at Almaden Quicksilver County Park. Currently in project design and permit review are a large remediation at Hacienda and a large remediation at Senador Mine and a park-wide calcine road removal project. All will meet TMDL and NRDA objectives and mandates for the park.
- Parks and Recreation Department reported the cleanup of numerous small illegal hazardous materials/waste disposals on Park property during FY14. None of the illegal disposals resulted in any significant environmental releases. New in FY14 is the finding of a number of large (hundreds) of butane fuel cans used in the production of “hash oil” from marijuana to supply the growing marijuana dispensary industry. Although most often empty, these large dumping events of aerosol cans must be properly managed and disposal costs are significant (even utilizing the CESQG program).
- Parks and Recreation Department continues to act as a water purveyor operating eleven public water systems in accordance with applicable environmental and safety regulatory requirements. An additional water system has been proposed along Coyote Creek Bike Trail, which will require an extensive permitting effort and watershed evaluation study prior to the State’s Department Health Services approval. That permitting process is ongoing. Parks worked closely with FAF Capital Programs in FY14 to modify the water delivery to the Field Sports County Park/Coyote Ranch/Mariposa complex to have a Great Oaks connection to the Mariposa/House on the Hill/Sheriff Shooting range complex side of the water system. This work was recently completed and now the Field Sports County Park system is separate from the Great Oaks system serving the lodge, House on the Hill and Sheriff Range Complex.
- Parks continues to battle water quality changes created by the record drought conditions facing the area. Contaminants that were previously not of concern have been increasing as water quantity and quality deteriorate and wells dry up.
- Parks and Recreation Department continues to work closely with State and County solid waste regulatory agencies monitoring wells and other post-closure elements at the Madrone (Old Morgan Hill) landfill in Anderson County Park. Quarterly visual inspections, annual comprehensive inspections and twice yearly groundwater and gas sampling continued in FY14 at this site.

- Parks and Recreation Department completed annual testing of two County underground storage tank (UST) systems and Six County above ground fuel storage tank (AST) systems. Parks and Recreation completed additional EVR upgrades on all AST systems. All fuel delivery systems are now compliant.
- Parks and Recreation Department responded to and provided follow-up for inspections of County hazardous materials storage facilities by the Hazardous Materials Compliance Division (HMCD), County Fire, City of San Jose and Milpitas where there is jurisdiction, County and State Solid Waste (CALRecycle), RWQCB, BAAQMD and other regulatory entities as required. In FY14, the office of the County Fire Marshall made a special effort to inspect all County Parks facilities and several full days each month were dedicated to this operation.
- Parks and Recreation Department continues to coordinate at least monthly disposals to the County CESQG program for these items as well as numerous other hazardous wastes illegally disposed of in County Parks.
- Parks and Recreation Department continues to work closely with the Bay Area Air Quality Management Board (BAAQMD) monitoring the operation of their Eastside/Hellyer landfill gas extraction flares, to protect the neighboring community while ultimately reducing the necessary frequency of gas collection and monitoring at this site. The State added several additional monitoring wells to this facility in FY13 to gather additional data on subsurface gas behavior. Monitoring continued in FY14 along with gas combustion at the site. Gas production in FY14 as well as combustion was significantly diminished as a result of drought conditions. Methane production is completely dependent on soil moisture at depth which did not occur normally in the past year.
- Parks and Recreation Department is working with Capital Programs staff to evaluate the installation of a solar farm on the top of the Eastside (Hellyer) landfill as a means of allowing for land reuse as well as meeting the renewable energy goals of the County Board of Supervisors.
- Parks and Recreation Department conducted Environmental Site Assessments (ESA's) for several new land acquisitions to County Parklands. Any potential areas of concern are addressed before transfer of title.
- Parks and Recreation has identified approximately 90 unused structures as part of a massive inventory effort with the goal of evaluating each of them for historical value, operational need, safety and liability concerns and ultimately prioritizing those that will need to be demolished. This is a 20+ year project that began in FY14 and has included hazardous materials surveys on twelve buildings currently scheduled for abatement of regulated hazardous materials and subsequent demolition. It is the goal that as many buildings identified for demolition each year can be removed as staff and fiscal resources allow. In this

way, over time, County liability will be reduced and areas previously developed will be returned to natural conditions.

- Parks and Recreation continues to manage a phased-in hazardous materials removal effort at the newly acquired Martial Cottle Park property. With the spring 2014 passing of the donor, Mr. Walter Lester, new areas of the life estate became available to begin clean-up with the eventual inclusion of these areas into the public park being created at the site. Over one-hundred years of ranch operations have left behind bulk hazardous wastes and soils to be evaluated. Initial characterization and disposal efforts are ongoing and will continue for several years.

### **Health and Hospital System:**

- Health and Hospital System (HHS) and its outlying clinics continue to operate with up-to-date environmental permits. Hazardous Materials Business Plans for Santa Clara Valley Medical Center (SCVMC) and outlying clinics have been updated to reflect the changes taken place during FY14.
- Health and Hospital System (HHS) continues to implement the Patient Sharps Take-Back Program.
- Health and Hospital System (HHS) continues to provide a Medical Waste Program that is effective in managing medical, sharp, pharmaceutical, pathology, and chemotherapy waste according to the requirements of the Medical Waste Act.
- Health and Hospital System's (HHS) Hazardous Waste Program has been effective in managing chemical waste generated at their Facilities. During FY14, glutaraldehyde and formalin wastes were neutralized on site and did not have to be disposed of as hazardous waste. Battery, fluorescent tubes, mercury, and electronic devices recycle programs were maintained according to California Universal Waste regulations.
- Health and Hospital System (HHS) continues to provide hazardous waste management training for employees in areas where hazardous waste are generated and handled.
- Health and Hospital System (HHS) worked with Emergency Management to provide training on hazardous material decontamination for hospital staff.
- Health and Hospital System (HHS) provided DOT training program on requirements and procedures for proper packaging, shipping and transporting of infectious materials.

- Health and Hospital System HHS is in compliance with underground storage tank (UST) regulations for monitoring and testing of the underground storage tank (UST) systems at Santa Clara Valley Medical Center (SCVMC).
- Health and Hospital System (HHS) is in compliance with the requirements from the Bay Area Air Quality Management District (BAAQMD) for operating the emergency generators, boilers, and ETO Sterilizers.
- Health and Hospital System (HHS) continues to provide radiation safety training to employees working with radiation. The radiation safety protection program complies with the licensing and regulatory requirements by the Federal, State, and Nuclear Regulatory Commission. The radiation protection program at SCVMC maintains exposures as low as reasonably achievable for staff, patients, and the public.
- Health and Hospital System (HHS) quality of well water system at Santa Clara Valley Medical Center (SCVMC) was monitored according to requirements of Department of Health Services (DHS) Drinking Water Field Operation Branch.
- Health and Hospital System (HHS) provided environmental support for several major construction projects at SCVHHS facilities during FY14.

### **Roads and Airports:**

- Roads & Airports Department (R&A) performed the required annual sampling for their vehicle wash rack facility at East Yard to demonstrate compliance for the City of San Jose Environmental Services Department. Water sampling analysis confirmed that the system is in compliance with applicable regulations.
- Roads & Airports Department (R&A) continued to perform its role in the County's Storm Water Pollution Prevention Plan at their three Maintenance Yards by monitoring and sweeping, and maintaining storm drain filter inserts at the East and West Yards to intercept pollutants prior to discharge.
- Roads & Airports Department (R&A) performed the required annual sampling for their vehicle wash rack facilities at East Yard to demonstrate compliance for the City of San Jose Environmental Services Department. Water sampling analysis confirmed that the system was in compliance with applicable regulations.
- Roads & Airports Department (R&A) continues to significantly reduce the amount of hazardous wastes potentially being disposed of in the trash by educating employees on the proper disposal of “universal wastes” such as small batteries and spent fluorescent light bulbs and providing convenient collection containers and pickup for these wastes at their facilities.

- Roads & Airports Department (R&A) continues to discover illegally dumped hazardous waste along County roadways and adjacent property. The waste is properly managed and disposed of through the County DEH's HHW disposal program.
- Roads & Airports Department (R&A) continues to ensure compliance with the local Certified Unified Public Agency (CUPA) and BAAQMD for their two UST systems located at East Yard and West Yard.
- Roads & Airports Department (R&A) has completed construction of a new maintenance facility at San Antonio Road, Livermore and has coordinated with the appropriate regulatory agencies to obtain the necessary environmental permits and approvals.

### **Office of the Sheriff and Department of Correction:**

- Office of the Sheriff together with OSEC updated the Hazardous Material Business Plan for the Coroner's Office.
- OSEC continues to conduct safety training for the Department of Correction (DOC) Weekend Work Program (WWP).
- OSEC conducted ergonomics workstation evaluations for the DOC Operations, Training and Sheriff's Transportation staff.
- Department of Correction (DOC) together with OSEC was involved in the investigation and resolution of several facility-related indoor air quality issues for the Department of Correction's (DOC) Main Jail Facility.

### **Facilities and Fleet:**

- Facilities and Fleet (FAF) assisted in assessment of hazards and post remediation clearance of the multiple sewage and water leaks in the Main Jail South building.
- Facilities and Fleet (FAF) assisted in assessment of hazards and post remediation clearance of water leaks at the Elmwood Campus.

## **Environmental Agency Inspections and Permitting**

The following environmental agency regulatory inspections were conducted during FY14:

- The Hazardous Materials Compliance Division (HMCD) performed inspections of five Facilities and Fleet (FAF) underground tank systems, including examining the initial spill response plans for compliance. No citations or fines were assessed, and any concerns have been addressed and corrected.
- The Hazardous Materials Compliance Division (HMCD) inspected numerous Parks facilities for hazardous materials and waste compliance. No citations or fines were assessed, and any concerns have been addressed and corrected.
- The Hazardous Materials Compliance Division (HMCD) inspected the Probation's Wright Center, James Boys Ranch, Blue Ridge High School, Holden Ranch for Boys, and Holden School. No citations or fines were assessed, and any concerns have been addressed and corrected.
- The Hazardous Materials Compliance Division (HMCD) performed a regulatory inspection of the chemical storage facilities at the Elmwood Correctional facility. No citations or fines were assessed, and any concerns have been addressed and corrected.
- The Hazardous Materials Compliance Division (HMCD) performed a regulatory inspection of the chemical storage facilities of the Berger Drive complex. No citations or fines were assessed, and any concerns have been addressed and corrected.
- The Hazardous Materials Compliance Division (HMCD) recently performed a regulatory inspection of the four Roads and Airports (R &A) facilities that handle hazardous materials and waste. The report and findings of the inspection are pending.
- The Hazardous Materials Compliance Division (HMCD) performed a regulatory inspection of the Crime Laboratory, which focused on compliance with hazardous waste handling. No citations or fines were assessed, and any concerns have been addressed and corrected.
- The Hazardous Materials Compliance Division (HMCD) performed a regulatory inspection of the Coroner's facility. No citations or fines were assessed, and any concerns have been addressed and corrected.
- The Hazardous Materials Compliance Division (HMCD) performed regulatory inspections of the Valley Medical Center (VMC) and outlying clinics, and the Public Health Lab facilities for compliance with hazardous materials/waste, medical waste standards. No citations for fines were assessed, and any concerns have been addressed and corrected.

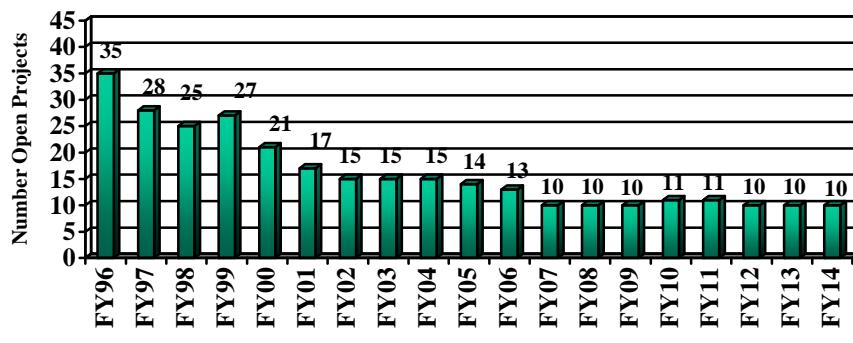
- The Hazardous Materials Compliance Division (HMCD) performed the compliance inspections of the five underground storage tank systems at SCVMC. No citations or fines were assessed, and any concerns have been addressed and corrected.
- The Hazardous Materials Compliance Division (HMCD) performed quarterly regulatory inspections of the Parks and Recreation Department's Madrone landfill, including review of the quarterly groundwater monitoring reports. No citations or fines were assessed, and any concerns have been addressed and corrected.
- The City of San Jose, Environmental Services Department, Watershed Protection Program, conducted an inspection at Santa Clara Valley Medical Center (SCVMC). The inspection did not result in any violation of issue that would require follow up.
- The City of San Jose Environmental Services Department conducted an inspection at Custody Dental Services to verify that the sites are in compliance with the Dental Amalgam Program. The inspection did not result in any violation of issue that would require follow-up actions.
- The Bay Area Air Quality Management District (BAAQMD) performed an inspection of SCVMC Facility for compliance verification. The inspection did not result in any violations.
- The Bay Area Air Quality Management District (BAAQMD) performed an inspection of the Parks and Recreation facility at Ed Levin County Park, Calero County Park and Coyote Lake County Park. No citations or fines were assessed, and any concerns have been addressed and corrected.
- The County Fire Marshall conducted annual inspections at the following Parks and Recreation Department facilities:
  - Coyote Lake County Park
  - Ed Levin County Park
  - Sanborn County Park
  - Steven's Creek County Park
  - Field Sport and Motorcycle County Park
  - Vasona County Park and Parks Administration
  - Anderson Lake County Park
  - J.D. Grant County Park
  - Calero County Park
  - Anderson County Park
  - Mt. Madonna County Park

No fines were assessed, and any concerns have been addressed and corrected.

- The City of San Jose Solid Waste Division performed quarterly regulatory inspections of the Parks and Recreation Department's Eastside landfill, including review of the quarterly (and monthly during the summer months) groundwater monitoring reports. No citations or fines were assessed, and any concerns have been addressed and corrected.
- The California State Department of Public Health inspected eleven public water systems maintained by the Parks and Recreation Department. Minor corrective actions were noted at each site but no compromise in drinking water quality was noted and corrective actions were taken to resolve any issues.

## Contaminated Site Closures and Spills Clean ups

The County continues to improve its compliance with environmental regulations, even though the County continues to acquire additional properties and facilities. This trend is reflected in the fact that the number of open environmental mitigation projects has declined by nearly 70% over the last seventeen years (**Figure 4**). The County continues to place priority on identifying and correcting environmental concerns, and acting as an example to the private sector of the County in compliance with applicable environmental regulations and standards.



**Figure 4:**  
Number Open Mitigation Projects

With the acquisition of 10 acres of property for the Old San Jose City Hall (see picture below) and the dissolution of California's City's Redevelopment Agencies, the County is now responsible for the Old City Hall building.



**Old San Jose City Hall and Annex Buildings**



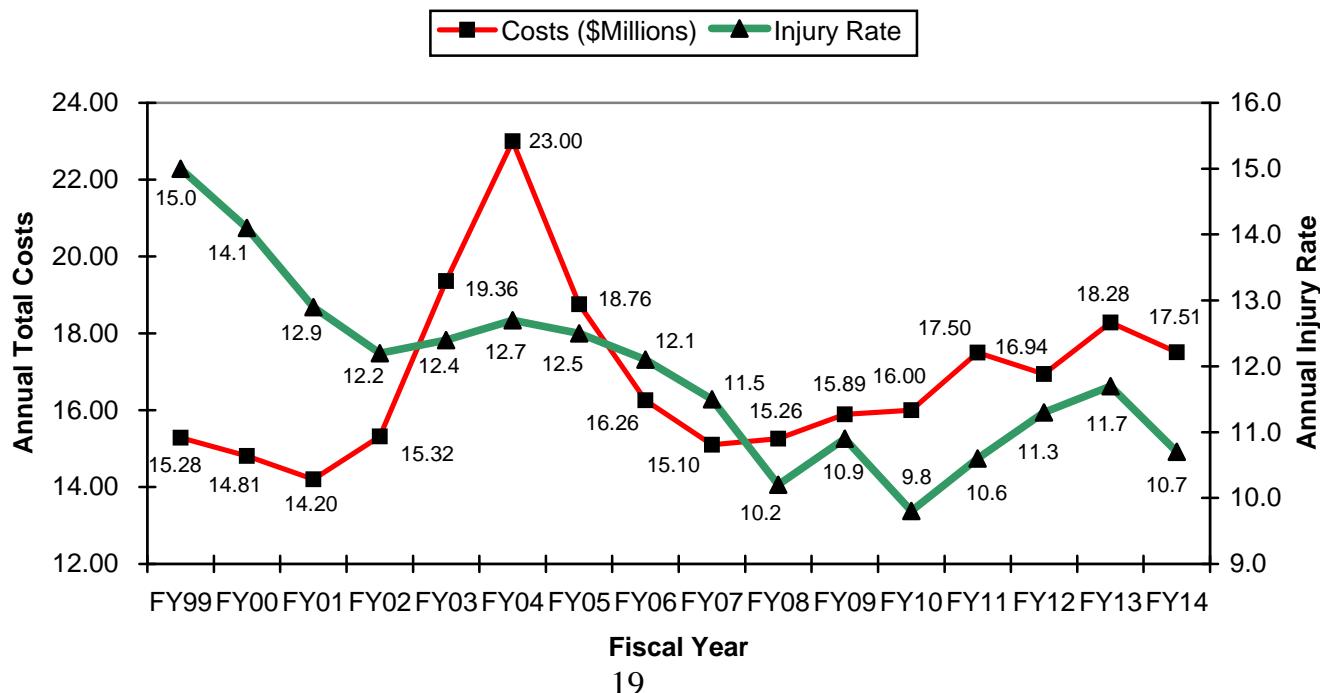
## OCCUPATIONAL SAFETY FISCAL YEAR 2014

### Introduction

While safety continues to remain a high priority at the County of Santa Clara, the cost containment for Workers' Compensation is also an important issue (**Figure 5**). Escalating costs in Workers' Compensation were one of the key reasons several significant legislative reform changes were enacted by the California legislature back in 2003-2005. First AB 749, which provided benefit increases and initiated the process of medical control and cost containment, was enacted. Later AB 227 and SB 228 were implemented, which focused on realigning benefits and provided structure to the medical treatment protocols. Lastly, SB 899 was signed into law, which focused on controlling escalating medical costs by providing prompt and effective medical treatment to injured workers, and significantly changed the California Workers' Compensation medical fee structure. However, the impact of these reforms seems to be diminishing and Workers Compensation costs for the County and most other public and private entities have been rising significantly.

Recently in California, SB 863 was signed into law during September of 2012. It boosted permanent disability benefits for injured workers while implementing several measures to help reduce compensation costs for insurers and employers. This legislation sets up a binding arbitration process to resolve compensation disputes before they would result in costly court battles.

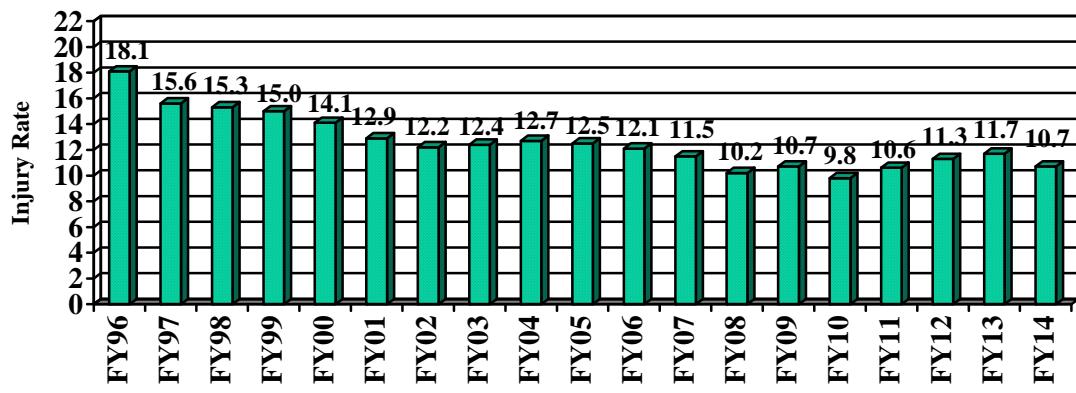
**Figure 5**  
**Annual Costs vs Injury Rates**



# Santa Clara County Injury Statistics

## Countywide Injury Rate

The Countywide Injury Rate of 10.7 reflects the percentage of injuries, based on hours worked, sustained throughout the County workforce. The County's Injury Rate increased slightly from last year's rate of 11.7 (**Figure 6**), and although injury rates do not directly correlate to the number or severity of injuries, they do indicate the overall safety performance of the County's workforce.



**Figure 1:**  
Comparison Annual Injury Rates

- The injury rate is calculated as number of injuries times 200,000 hours, divided by the total number of department hours worked. Alternately, the injury rate can roughly be considered as a percent of injuries occurring relative to the total worker population. First aid claims are not calculated as part of the recordable injury rate per Cal-OSHA reporting requirements.

OSEC conducted an analysis of the causes of County injuries by reviewing Workers Compensation injury description reports using the following categories:

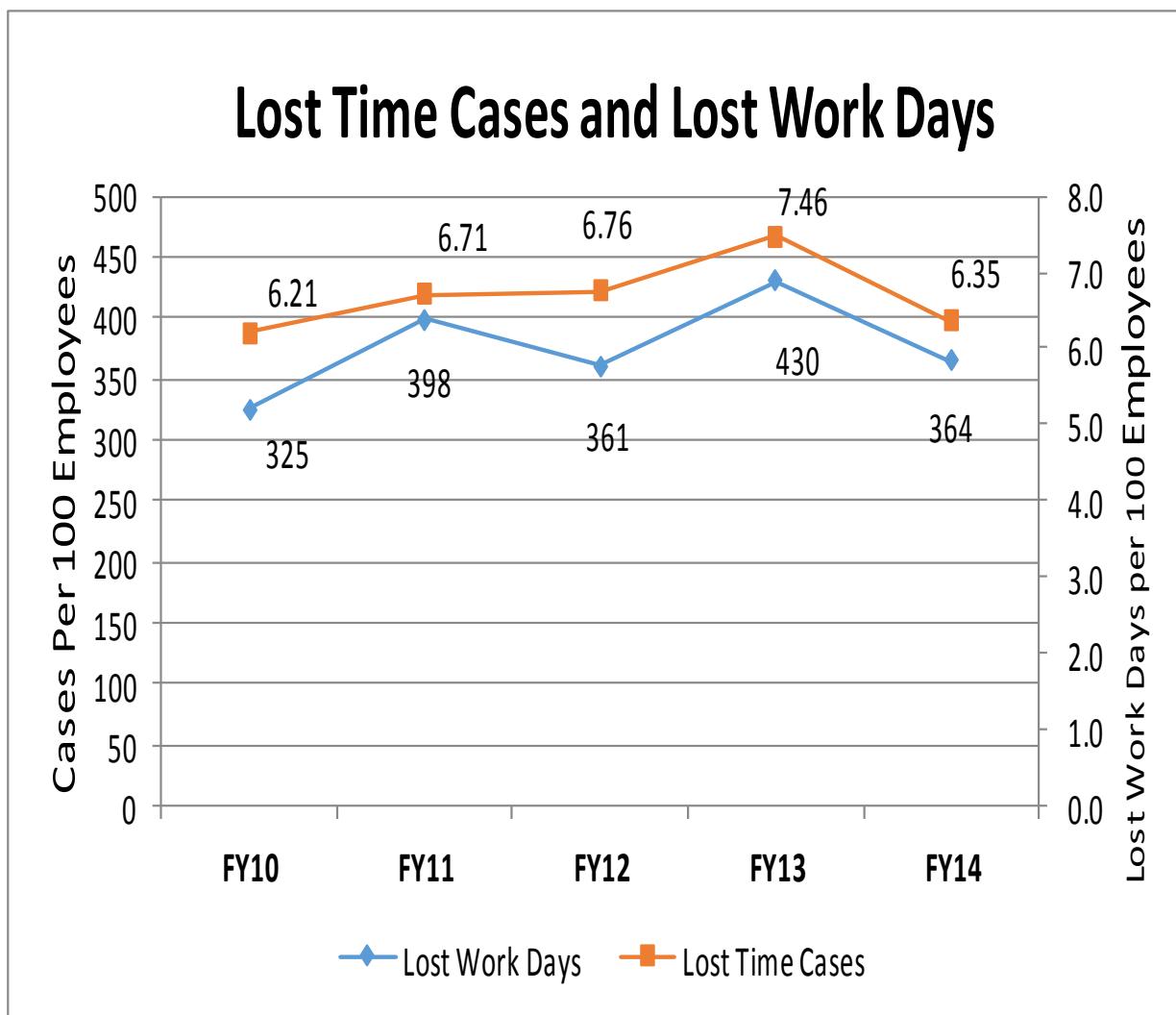
- Countywide Lost Time and Lost Work Days Rate
- Countywide Injury Type Frequency
- Countywide Injury Severity
- Total Countywide Injury Costs
- Departmental Injury Rates
- Departmental Injury Costs
- High Risk Injury Departments

Based on these studies, recommendations can be made by OSEC for preventing County employee injuries to departmental managers and supervisors, so that further improvements can be made in reducing injuries and avoidance of increased worker compensation payments.

## Countywide Lost Time and Lost Work Days Rates

The Countywide Lost Time Case Rate of 6.35 (**Figure 7**) reflects the percentage of injury cases that resulted in employees being off work, based on hours worked, sustained throughout the County workforce. The lost time case rate directly correlates to the severity of injuries experienced by the County, and has increased compared to last year's rate of 7.46.

The Countywide Lost Work Days Rate of 364 reflects the number of days away from work per 100 employees, based on hours worked, sustained throughout the County workforce. The Lost Days Rate directly correlates to the severity of injuries experienced by the County, and has increased compared to last year's rate of 430.



**Figure 7 – Lost Time Cases and Lost Work Days**

## Countywide Injury Type Frequencies

Of the total 1,433 County employee workplace injuries during FY14, 208 (or 15%) were reported in only five injury type categories that comprised approximately 38% of the total injury costs, as follows:

**Table 3: Top Five Injury Types Ranked by Number of Injuries\***

Number of Injuries	Injury Type	Average Costs per Injury
53	Strain or Injury by Unknown	\$18,805
50	Rept. Motion Carpal Tunnel Syndrome	\$11,792
38	Fall, Slip, Trip	\$15,792
36	Lifting	\$12,361
31	Repetitive Motion	\$9,131
<b>208</b>	<b>Total</b>	<b>\$13,576</b>

\* Incurred costs presented in **Table 3** above and **Table 4** and below represent claims paid to date and reserves for anticipated future payments for losses.

Of the five injury types resulting in the highest number of injuries, ergonomics and physical trauma clearly play a significant role in their cause and severity. Because this trend has continued for the past several years, OSEC continues to take steps to enhance the County's ergonomic evaluation and training programs by allowing any employee to request and be provided a pro-active ergonomic evaluation of their workplace without cost to their department (over 500 conducted last year) by a certified third party outside ergonomic vendor. We are hopeful this effort will promote employee awareness and act to minimize the frequency and associated costs of these types of injuries.

## Countywide Injury Severity

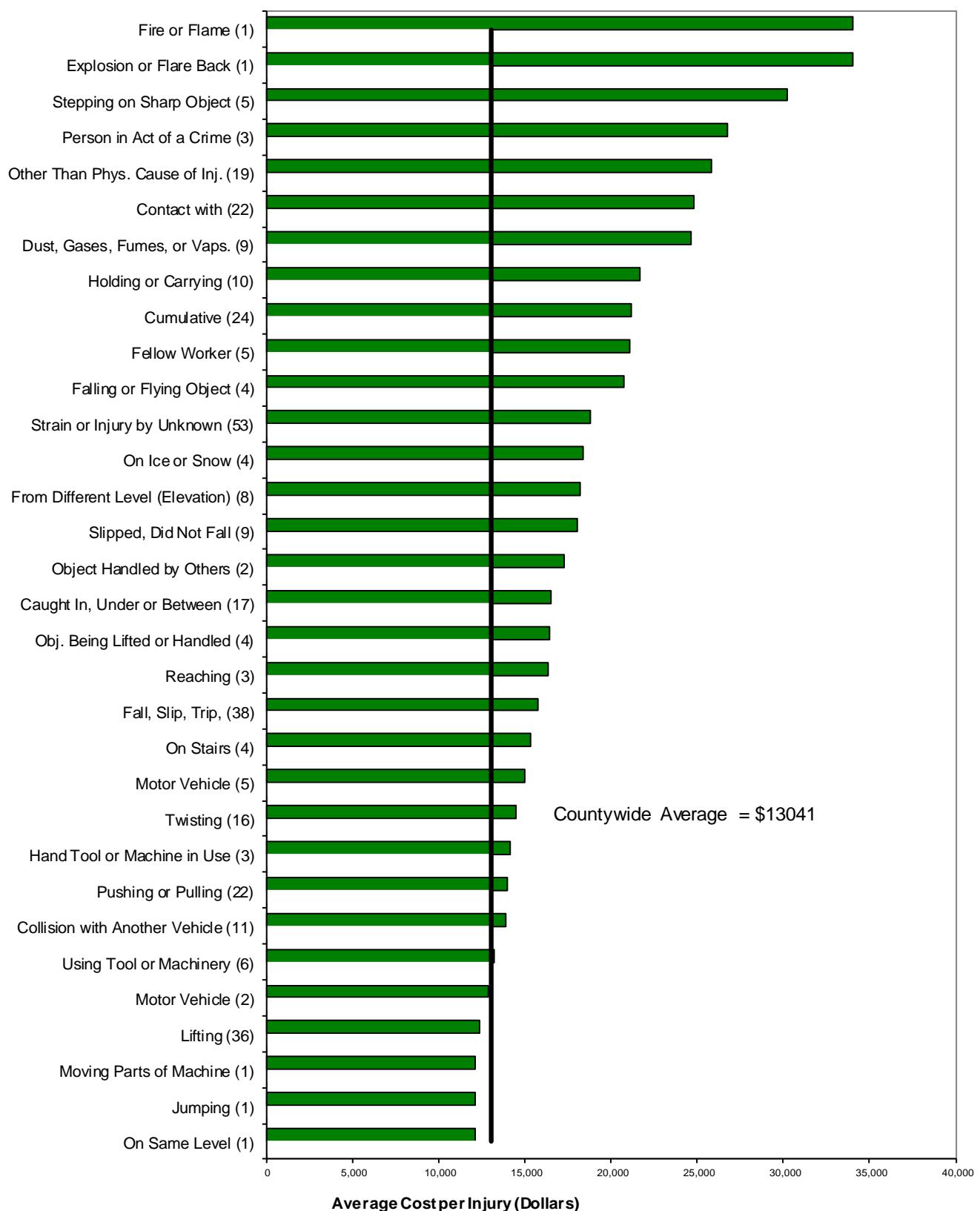
**Figure 8** (see Page 24) shows a comparison of the number of injuries and the average incurred (paid plus reserved) costs per injury for each accident type on a Countywide basis. This figure demonstrates that the accident types that result in the highest number of injuries do not necessarily account for the highest cost per injury. Data concerning cost per injury (severity) are important in prioritizing the focus of injury reduction and prevention efforts. The four injury types representing the highest average incurred cost per injury are as follows:

**Table 4: Injury Types Ranked by Average Incurred Costs per Injury\***

Number of Injuries	Injury Type	Average Costs per Injury
1	Fire or Flame	\$34,000
1	Explosion or Flare Back	\$34,000
5	Stepping on Sharp Object	\$30,258
3	Person in Act of a Crime	\$26,717
<b>10</b>	<b>Total</b>	<b>\$31,243</b>

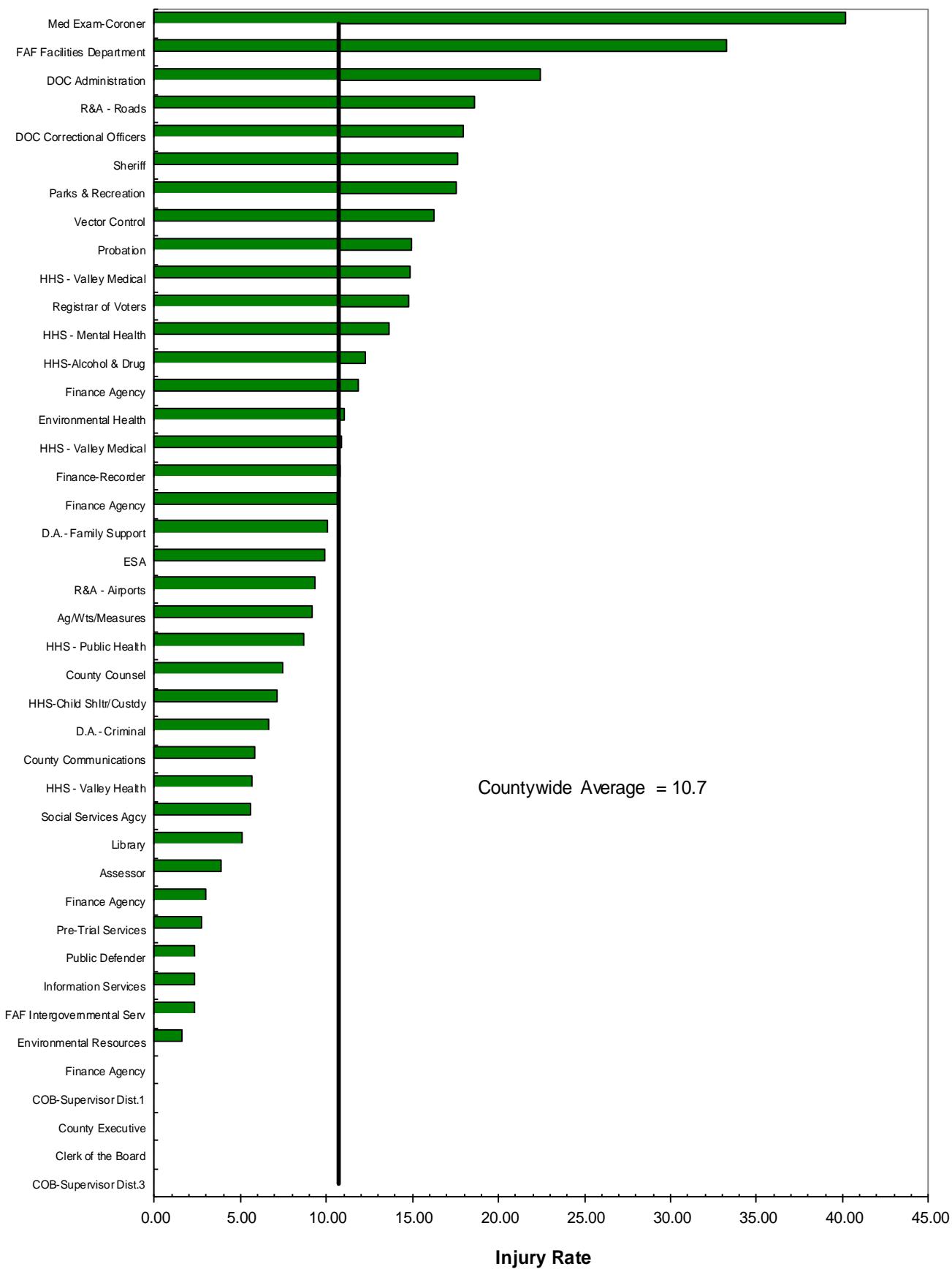
It should be noted that these four injury types representing the highest average incurred costs per injury account for less than 2% of the total costs of the 1,433 injuries occurring to County employees. While these injury types are severe and have significant personal impacts, they fortunately occur infrequently to County employees.

**Figure 8 - Average Incurred and Reserve Cost Per Injury  
(# of Injuries)\* For FY14**



\*Incurred costs of medical and indemnification claims paid to date and reserves for future payments of losses.  
\*\*Chart includes only top 30 injury types.

**Figure 9 - Departmental Injury Rates For FY14**



## **Departmental Injury Rates**

Departmental injury rates are commonly used to represent the percentage of a department's injured employees (based on hours worked) during a specified time period. Departmental injury rates for FY14 are depicted in **Figure 9** (see Page 25). This figure shows departmental injury rates in comparison to the Countywide average injury rate. The majority of the County's departments had injury rates lower than the County-wide average, while nine departments had rates higher than the County-wide average. Of the sixteen departments with injury rates over the County average, eight are considered high-risk injury departments.

When comparing a department's safety performance, the use of *injury rates* (percentage of injuries, based on hours worked) rather than *injury frequency* (number of injuries) is preferred because the number of employees can differ radically from department to department. Thus, a department with fewer employees would most probably have fewer injuries, and to compare only the number of injuries would be misleading.

## **Departmental Injury Costs**

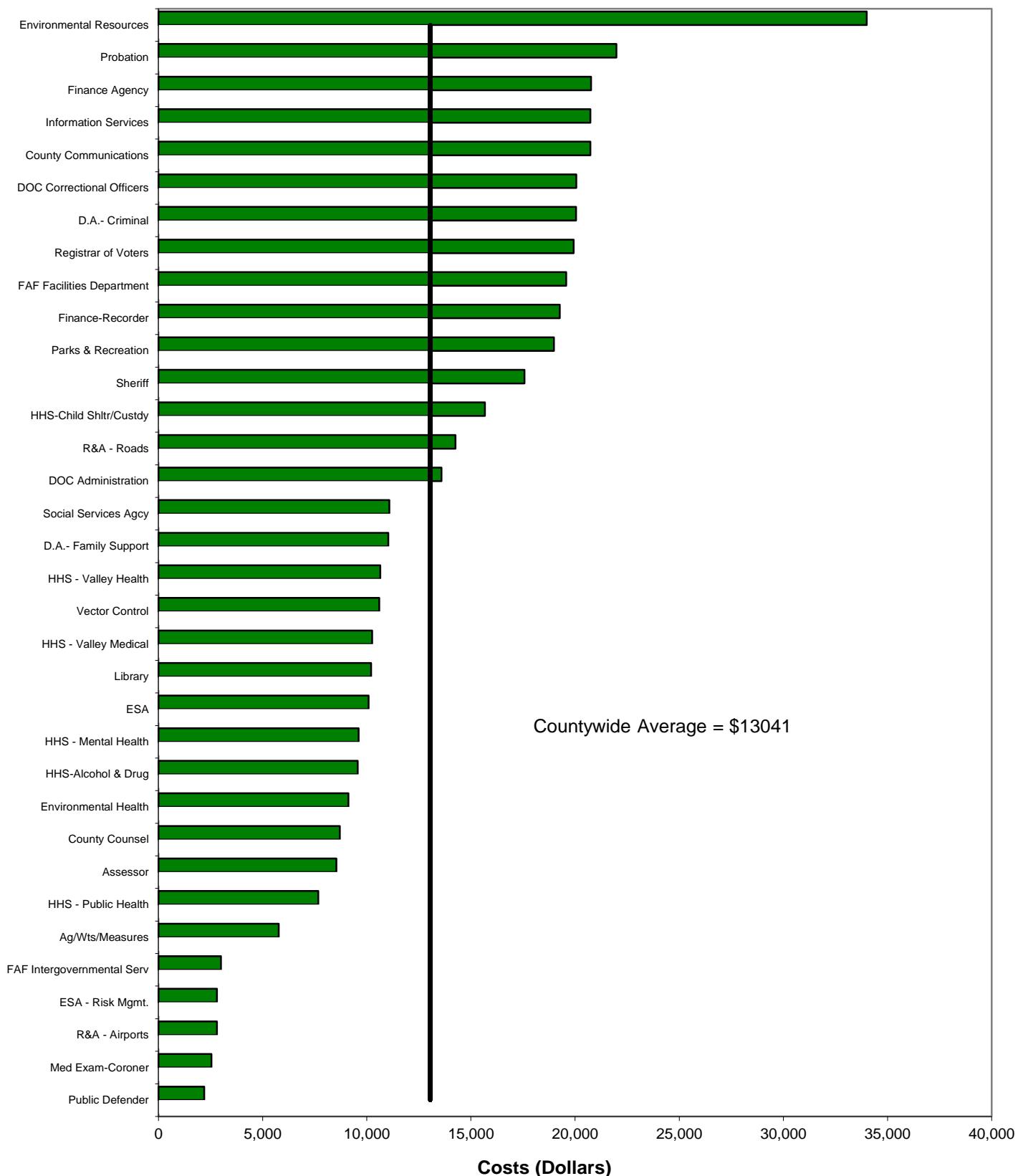
**Figure 10** (see page 27) shows the average incurred (paid plus reserved) costs per injury for each department in comparison to the Countywide average incurred injury costs of \$13,041. This data should allow departments to determine where they are in relation to other departments and the County as a whole in terms of incurred injury costs and expenditures.

## **High Injury Risk Departments**

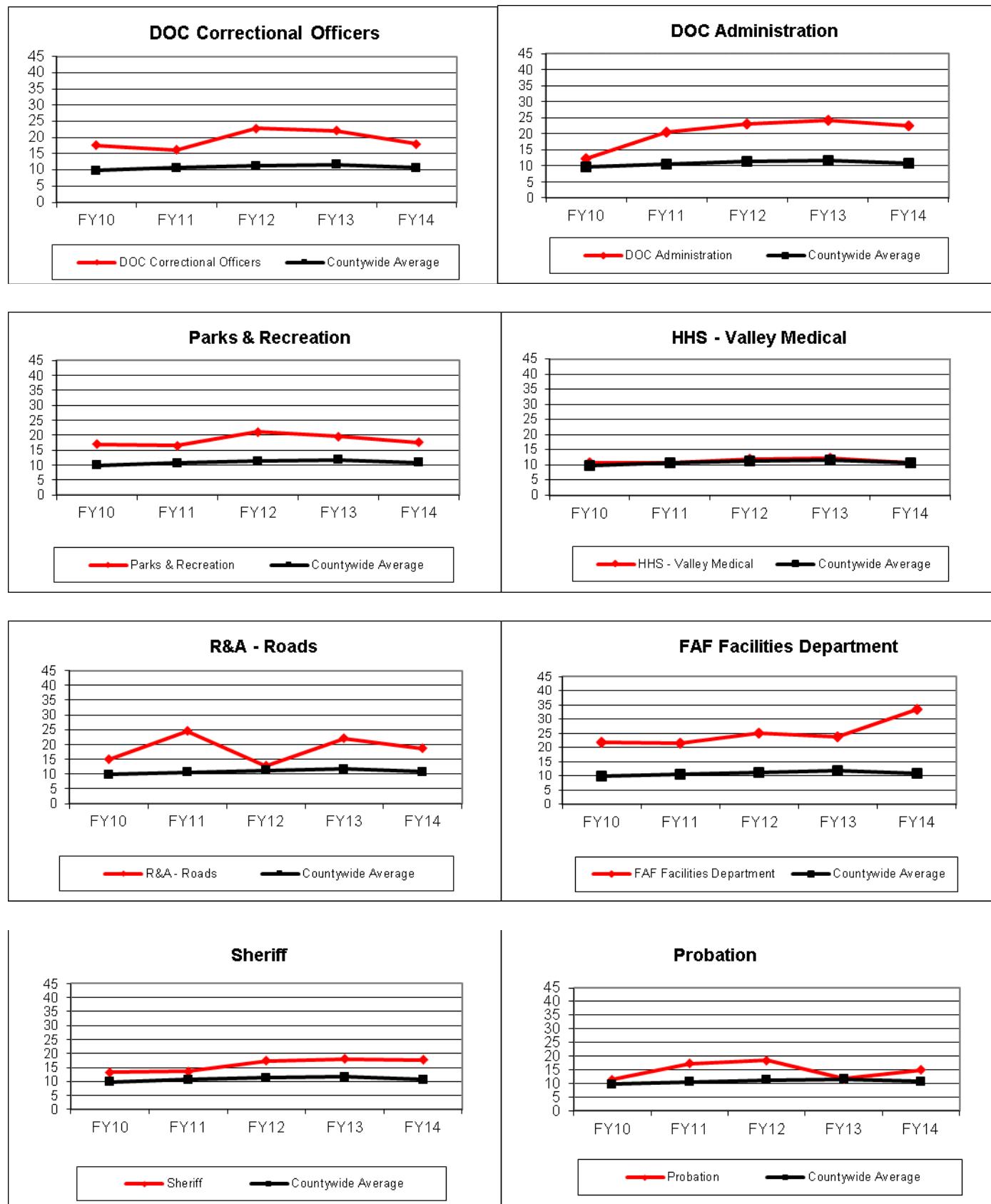
Some of the departments whose injury rate exceeds the County-wide average and conduct a type of business that has *higher-than-average risk of injury* are shown in **Figure 11** (see page 28). It is not uncommon for these higher-risk departments to have injury rates that exceed the Countywide average. Departments with higher-than-average risk of injury should be familiar with the specific hazards (causes of injury) associated with their business, and should commit appropriate resources to the reduction or elimination of those hazards.

Departments whose injury rate is lower than the County-wide average may conduct a type of business with *lower-than-average risk of injury* and, therefore, a lower-than-average injury rate is expected. However, if a department conducts business that is expected to pose lower-than-average risk of injury, but has a higher-than-average injury rate, then that department should determine the root cause(s) of their employees' injuries and take steps to mitigate the root cause(s) of such injuries.

**Figure 10 - Departmental Average Reserve Cost Per Injury For FY14**



**Figure 11 - High Risk Departmental Injury Rate Trends**



## **California Occupational Safety and Health Administration (Cal OSHA) Inspections and Citations**

During FY14 the County experienced no California OSHA inspections of County facilities.

Historically, California OSHA conducted one inspection of County facilities in FY13 (resulting in one citation which was appealed), no inspections of County facilities in FY12, one inspection in FY11(resulting in one minor citation and fine at the Public Health facility on Lenzen Avenue), three inspections of County facilities in FY10 (resulting in no citations or fines), six inspections of County facilities during FY09 (resulting in two general citations), six inspection of County facilities during FY08 (resulting in no citations or fines), three inspections of County facilities during FY07 (resulting in no citations or fines), and no inspections during FY06. During FY05 five California OSHA inspections of County facilities were conducted (resulting in no citations or fines). During FY04 and FY03, there were no inspections, and during FY02 three inspections were conducted (which resulted in no citations or fines). During FY01 California OSHA conducted four inspections of County facilities, which resulted in one minor citation and fine (which the County successfully contested). In prior years the County received one citation each in FY00 and FY99, two citations in FY98, three citations in FY97, and six citations in FY96.

It should be noted that as of January of 2000 governmental agencies like the County are no longer exempt from receiving Cal-OSHA monetary fines and civil penalties (AB1127).

## **Occupational Safety Activities and Accomplishments**

Highlights of occupational safety activities conducted by OSEC and other County department safety staff are as follows:

### **Occupational Safety and Environmental Compliance (OSEC):**

- OSEC continued to participate in the monthly safety meetings of the County-wide Joint Labor Management Safety Committee, which is designed to facilitate communications between departments on safety issues and to address Labor Union concerns. Additionally, OSEC continued to participate as a member of the Countywide Training Sub-Committee to improve safety and health training efforts.
- OSEC continued to work with three ergonomic vendors to provide low cost individual, group, and Train-the-Trainer ergonomic evaluations. Additionally, OSEC continues to work with County Procurement to provide an approved selection of ergonomic products for employees.
- OSEC awarded continuing education unit (CEU) credits to those licensed or vocational nurses who attended the 29<sup>th</sup> Annual County-wide Safety Seminar.

- OSEC continued to roll out timely environmental, health and safety information to all Safety Coordinators and County employees via the use of OSEC intranet site at <http://OSEC>.
- OSEC continued to provide support to the Technical Advisory Group (TAG) of the Integrated Pest Management (IPM) Committee for the County.
- OSEC reviewed and added more than a dozen new videos to their Safety Video library.
- OSEC produced and distributed several electronically Safety Alert newsletters to all County employees during FY14.
- OSEC continued to maintain a library (and added an online subscription service) of environmental, health, and safety publications available for departmental safety coordinators use. Materials are available to all County departments and employees for check-out and use with their computers.

### **OSEC Countywide Contracts and Agreements:**

- OSEC completed the Board contract for sanitation and remediation services with Anderson Group International through June 2015.
- OSEC completed the Board contract for biohazard cleanup services with Restoration Management Company through May 2016.
- OSEC completed the contract for hazardous waste pickup and disposal services with PSC Environmental Services through June 2015.
- OSEC extended the service agreement with the Bay Area Environmental Training Center (a local non-profit educational institution based out of Mission College in Santa Clara) to provide cost-effective environmental, safety and health, and office ergonomic training for County employees through June 2015.

### **Office of the Sheriff and Department of Correction:**

- Department of Correction (DOC) together with OSEC conducted Hazard Communication training sessions for the Department of Correction (DOC) at the Mail Jail and Elmwood facilities.
- Department of Correction (DOC) together with OSEC conducted investigations and made corrective actions involving several bloodborne pathogen and tuberculosis employee exposure situations.

- OSEC continues to work with the Department of Correction (DOC) on resolving safety issues associated with the Weekend Work Programs.

### **Roads and Airports:**

- Roads & Airports Department (R&A) continues to maintain a bi-weekly safety tailgate topics program for Road Maintenance Workers. The increased emphasis on this training effort has allowed a better mix of topics to be covered and provides relevant guest speakers to address the Roads Maintenance crews.
- Roads & Airports Department continues to implement an effective Hearing Conservation program. Annual hearing conservation training and testing is conducted in an effort to reduce hearing loss in employees.

### **Parks and Recreation:**

- Parks and Recreation Department continues to enhance their employee safety training programs. Annual safety training is provided to all employees during the winter training academy, along with new employee Hazard Communication training. Biweekly safety tailgate training topics are provided and required of all employees covered under the OSHA Construction Safety Orders.

### **Coroner and Crime Laboratory:**

- OSEC assisted the Coroner's office in conducting the annual training required of employees who work with formaldehyde.

### **Health and Hospital System:**

- Health and Hospital System (HHS) conducted semi-annual safety surveys in all patient care areas and annually in patient care areas. A total of 152 surveys were completed at HHS facilities in FY14. Improvement activities resulting from these surveys included: installation of seismic measures, proper segregation and labeling of medical wastes, proper storage of hazardous materials and wastes, water leak repairs, exit clearance, and preventive maintenance of safety equipment.
- Health and Hospital System (HHS) continues to monitor injury data to identify trends and injury preventive measures.
- Health and Hospital System (HHS) Safety Committee and sub-committee were effective in analyzing and resolving safety issues and making recommendations to achieve safety goals, including: Construction safety, Respirator fit testing, Procedure for using PAPR, Safety Training, Risk Assessment, Electrical Cord Recall, and Waste Recycling.

- Health and Hospital System (HHS) conducted several construction projects during FY14. Safety procedures were established and implemented to ensure the safety of patients and staff. Safety walk-through rounds were conducted with construction contractors and affected hospital personnel.
- Health and Hospital System (HHS) conducted a risk assessment study to identify building areas with high risk for water leak. The information obtained from the study by Santa Clara Valley Medical Center (SCVMC) Facilities and Emergency Management to establish preventive maintenance plan and response plan to minimize potential risks for patients and staff.
- Health and Hospital System (HHS) continues to provide support to the Santa Clara Valley Medical Center (SCVMC) Integrated Pesticide Management (IPM) Coordinators to implement the Integrated Pest Management (IPM) ordinance.
- Health and Hospital System (HHS) air quality evaluations were conducted for Valley Connection Services, Medical Records, Ambulatory Care Services, Renal Care Center, and Sterile Processing.

**APPENDIX A**

**OSEC OVERSITED CONTRACTS  
AND BOARD AGREEMENTS**



Vendor	Contract Effective	Contract Length	Contract Amount	OSEC Contact	Renewal/Rebid Date	Comments
Anderson Group [Sanitation & Remediation] PO 4300008283	7/1/12	3 years plus 2 year renewal	\$ 1.8 M Total	Tyler Nguyen	7/1/15	Sanitation and remediation services contractor whose services includes cleanup of water intrusions, mold remediation, and restoration.
Restoration Management [Biohazard] PO 4300009154	6/1/13	3 years plus 2 year renewal	\$ 1.2 M Total	Tyler Nguyen	7/1/16	Biohazard services contractor whose services includes cleanup of blood, biohazards, other potentially infectious materials.
IHI Environmental [Industrial Hygiene] PO 4300003762	11/5/11	3 years plus 2 year renewal	\$80 K/yr	Tyler Nguyen	11/5/16	Includes industrial hygiene studies, safety and indoor air quality investigations.
U.S. HealthWorks Medical Group [Occupational Medicine] PO 4300003795	12/1/11	3 years plus 2 year renewal	\$500 K/yr	Tyler Nguyen	12/1/16	Includes occupational medicine testing and pre-injury medical services.
PSC Environmental Services [Hazardous Waste] PO	7/1/12	3 years plus 2 year renewal	\$100 K/yr	Zohreh Pierow	7/1/15	Includes hazardous waste pickup and disposal, and emergency response (uncapped costs), but not medical wastes.
Stericycle Inc. [Medical Waste] PO 4300003276	7/1/11	3 years plus 2 year renewal	\$400 K/yr	Zohreh Pierow	7/1/16	Includes pickup, transportation and disposal of medical wastes, but does not include hazardous waste.
VSI Risk Management [Ergonomics] PO 5500001796	5/19/14	3 years plus 2 year renewals	\$100K/year	Tristan Robledo	5/18/17	Comprehensive Ergonomic services
Ergo Fit [Ergonomics] PO 5500001797	5/13/14	3 years plus 2 year renewals	\$100K/year	Tristan Robledo	5/12/17	Comprehensive Ergonomic Services
PRN Ergonomic Services [Ergonomics] PO 5500001795	5/13/14	3 years plus 2 year renewals	\$100K/year	Tristan Robledo	5/12/17	Comprehensive Ergonomic Services
Enviro Safetech [Environmental /Safety Training] PO4400004574	10/15/09	3 years plus 1 year renewals	\$10K/year	Zohreh Pierow	6/30/15	Includes generic classroom safety and environmental training.
Du-All Safety [Environmental /Safety Training] PO400004497	10/15/09	3 years plus 1 year renewals	\$10K/year	Zohreh Pierow	6/30/15	Includes generic classroom safety and environmental training.
Bay Area Environmental Training [Environmental /Safety Training] PO4400001632	10/15/09	3 years plus 1 year renewals	\$10K/year	Zohreh Pierow	6/30/15	Includes generic classroom safety and environmental training.
Environmental & Occupational Risk Management (EROM) [Environmental /Safety Training]	10/15/09	3 years plus 1 year renewals	\$10K/year	Zohreh Pierow	6/30/15	Includes generic classroom safety and environmental training.



## **APPENDIX B**

### **FY14 SITE ENVIRONMENTAL MITIGATION MATRIX**



<b>Facility Name &amp; Address</b>	<b>Cost Rank*</b>	<b>FY14 Site Mitigation Activities/Current Status</b>
Parks & Recreation Department Christensen Property 16000 Sanborn Road Saratoga	MED	<p>This site was formerly a commercial nursery. Part of the property had been initially donated to the County and the remainder was being retained for occupancy by the sellers (the Christensen and Sotello families) as a residence and was occupied since the purchase. A dumpsite was discovered on the property. A preliminary site characterization was completed for the dumpsite, and a detailed landfill closure plan to mitigate the site and remove all of the waste was completed and approved by regulators in late Summer 2008.</p> <p>For an extended period, site access and further movement of this project were held up in litigation between the Christensen and Sotello families and the County.</p> <p>Legal agreements with the Christensen family were completed in 2009 which advanced the project and allowed a three year period to complete specific tasks including the dump site mitigation. Unexpectedly, the Christensen family chose to vacate the site in Spring of 2012. From 2012 to early 2014, the site residence was filled by the Park Deputy Director as part of the Parks residence program for purposes of securing the structures and providing a site presence as the County regrouped to determine site restoration and long-term development plans. The site was vacated again in Spring of 2014 and longer term site use including the remediation of the dumpsite on the property being evaluated.</p>
Parks & Recreation Department Almaden Quicksilver Park 6800 McAbee Road	VERY HIGH	<p>The entire park is listed as a state Superfund site. In 1994 the Department of Toxic Substance Control (DTSC) approved a Remedial Action Plan (RAP). The RAP required mitigation in five areas of "high" risk to park visitors.</p> <p>In 1997 remedial work at the Hacienda Furnace was completed. Work continued at four other areas in the park. All remediation work was completed during the Summer of 1999. A request for final closure from the DTSC was submitted in January 2000 and approved.</p> <p>US Fish and Wildlife filed a lawsuit against the County for ongoing natural resource damages. This action exposes the County to a potentially large liability because of the cost of mitigation. Settlement was reached with the County and Santa Clara Valley Water District (SCVWD) beginning first phases of remedial work required by the settlement decree. In addition, a Proposed Mercury Total Maximum Daily Load (TMDL) was approved by the Regional Water Quality Control Board (RWQCB) on October 8, 2008. Parks has been very active in providing comments and participating in the development of this TMDL and will be effected by the monitoring and load reductions ultimately established by this process which now goes to the State for final ratification. Extensive implementation measures will be forthcoming over the next ten years.</p> <p>In Spring 2009, County received two 13267 letters from RWQCB requesting investigations of the site. The County secured contract with URS to provide engineering services to conduct the site investigation, and a preliminary report was completed and submitted to the Regional Water Quality Control Board (RWQCB) during June 2010. A final report was issued in December 2010 which included remediation activities for the Regional Board to consider as they move forward on TMDL implementation over the next 20 years. Some additional clarification and cleanup language was requested by the RWQCB and submitted in February 2011. The State RWQCB visited the site in the Summer of 2012 to coordinate with Parks staff on the follow-up activities identified in the 2011 Erosion study report. The County has awarded design and engineering contracts for the work and continues to apply for Grants and begin project design toward implementing construction efforts at the site beginning in Fall 2014 and continuing for several years.</p>

Facility Name & Address	Cost Rank*	FY14 Site Mitigation Activities/Current Status
Parks & Recreation Department Madrone Landfill Coyote Creek Trail Morgan Hill	VERY HIGH	<p>This site is the old City of Morgan Hill Landfill. Portions of the landfill were removed for the construction of Highway 101, which now bisects the landfill. In 1995 rain flow uncovered landfill material. In 1997, under an order by the Hazardous Materials Control Department (HMCD), Santa Clara County Environmental Resources Agency (ERA) hired a consultant to define the extent of the landfill. A request for closure requirements was submitted in early 1997 to the Regional Water Quality Control Board (RWQCB).</p> <p>ERA met with the RWQCB September of 1999 to address a landfill fire. 30,000 cubic yards of soil was trucked onto the Eastern side in December of 1999 for re-grading and capping, as directed by the HMCD/RWQCB. The site requires monthly inspections and reporting.</p> <p>The site was inspected by the RWQCB in May 2000. In January 2001, an administrative order was received from the RWQCB/HMCD. Monitoring wells were installed in March 2002. A contract for \$100,000 was issued for the preparation of site investigation and closure documents. The site investigation and final closure workplan were completed in October 2002. No comment was received from the RWQCB or IWMB and County Parks decided to show good faith and continue site monitoring on a quarterly basis at additional cost (\$4,500 per quarter) through 2003 and submit reports to the RWQCB, Integrated Waste Management Board (IWMB) and County Lead Enforcement Agency (LEA).</p> <p>Quarterly monitoring of the site has continued. The RWQCB has approved the landfill closure work plan that was submitted by the County, with an estimated cost between \$500,000 and \$750,000. The final closure of this site was conducted through the Summer of 2010 and substantially completed in December 2010. Final hydroseeding was conducted in Winter 2011 after the site grading had settled. Site closure activities were completed in Spring 2012. Post closure activities agreed to in the landfill closure workplan were conducted and completed in the Summer of 2012. The site has now entered an indefinite period of post closure monitoring which currently includes two times a year gas and groundwater monitoring, with reports sent to the RWQCB, the County LEA and the CalRecycle (formerly IWMB). Ongoing monitoring continues but no large scale efforts are expected to occur at this site in the future.</p>
Parks & Recreation Department Laguna Avenue Site Laguna Avenue	LOW	<p>The State traded this parcel, a former quarry, to the County for land along the Highway 85 expansion project. An above ground storage tank (AST) had leaked diesel fuel at this property. This is a self-directed case under the Regional Water Quality Control Board (RWQCB). Soil in the area of the tank was excavated and stockpiled on-site. Bioremediation of the soil was initiated by tilling and adding fertilizer. The stockpile was last sampled in February 1996, and detectable concentrations of petroleum hydrocarbons were found at that time. Natural bioremediation continues at the site, and no further development plans have been made by the County at this time.</p>

Facility Name & Address	Cost Rank*	FY14 Site Mitigation Activities/Current Status
Parks & Recreation Department Hellyer Park Eastside Landfill 985 Hellyer Avenue San Jose	LOW	<p>In August 1985, an extract and burn, methane gas venting system was installed at the Eastside Landfill located in the park. The system was not operating from early 1995 to 1997 while it was being repaired. Extensive cover material was added to the landfill during 1996. The system and wells were examined for integrity in May 1996. The system was repaired and the wells restored to bring the site into compliance in late 1997. The Regional Water Quality Control Board's (RWQCB) final closure requirements have been met. The site requires only ongoing monitoring and maintenance. Additional soil was added to low spots in October 1999 and around gas well heads in April 2000.</p> <p>Landfill gas probe monitoring is conducted on a quarterly basis as required by the City of San Jose. Methane gas had not been detected as measured by this monitoring activity during 2004. Based on this data, a request was made to City of San Jose to reduce this costly monitoring requirement to semiannually, but the request was denied. The landfill gas operating system is currently permitted by the Bay Area Air Quality Management District (BAAQMD) with the requirement to operate a minimum of six hours in every three week period. Ongoing flare operations and well monitoring is continuing at this site in full compliance with City of San Jose recommendations and requirements.</p> <p>The State installed three additional monitoring wells using State funding in 2010. The State has been monitoring these new wells but has not made any requests of the County. The City (San Jose LEA) continues the quarterly inspections of the site and has found no violations. The County continues to monitor the site quarterly and submit reports to the regulatory agencies for the site. Permitted methane gas collection and combustion is also continuing at the site year-round and is ongoing. No recent detections of methane have occurred, drought conditions have limited the gas production and flare operations. City of San Jose continues to inspect operations quarterly.</p>
Facilities and Fleet Agency Old San Jose City Hall Facility 151 West Mission Street San Jose	HIGH	<p>As of July, 2011 the County acquired the old City Hall property consisting of about 10 acres bounded by North First Street to the east, Mission Street to the south, San Pedro Street to the west, and the County Government Center to the north. The property has three structures on it: the original City Hall, built in 1958; the City Hall Annex, built in 1972; and the old City Health Building, also from the 1950's. It is estimated that the old City Hall property is worth about \$10 million.</p> <p>The County has not yet developed any firm plans for the campus. According to Facilities and Fleet (FAF), the two larger buildings are not currently habitable. Several factors, such as antiquated air conditioning, areas with mold and mildew issues and noncompliance with fire codes would have to be addressed. Costs to replace and remodel could be as high as \$40 million to \$50 million. The County's historical heritage coordinator has completed a final historical study and it appears the building may have some historical significance. In determining any development options, the historicity of the structure will be considered in compliance with applicable law, including the California Environmental Quality Act ("CEQA"). Also, a current Environmental Site Assessment (ESA) may be needed to consider any environmental issues for the site, which includes a 1,000 gallon underground fuel storage tank (UST).</p> <p>At this time the County is looking into whether it can fund the underground fuel storage tank (UST) removal or if it wants to maintain the tank onsite. Currently the tank is not leaking, has had all the product removed, and is being monitored for monthly storage compliance. In 2011 the tank did not pass the fill-containment bucket leak test, so without that repair, there is no (re)filling</p>

Facility Name & Address	Cost Rank*	FY14 Site Mitigation Activities/Current Status
		<p>of the tank. The monitoring system is older and may have issues in the future finding certified Contractors to perform the needed annual certification, due to the phasing out of that monitoring system.</p> <p><b>FY 13/14 Update:</b></p> <p>Tank was temporarily closed for the majority of the FY 13/14. Efforts to remove the tank were usurped by the discovery of the multiple USTs found at the 777 East Santa Clara Street project. Stantec is the Contractor who will be planning the UST removal. Currently the plan is to have Stantec work through the County's JOC program as a subcontractor to SEAPAC. Once contractual/liabilities paperwork is resolved. The planned date for removal is mid/late July 2014.</p>
Facilities and Fleet Agency Park Alameda 976 Lenzen Avenue	MEDIUM	<p>Environmental sampling conducted from 1993 to 1994 detected heavy metal contamination inside a former medical incinerator. The incinerator room has been isolated and locked, and does not present an exposure hazard to personnel working in the facility. Planning has been initiated for the decontamination and removal of the incinerator. The incinerator is a sealed up with low hazard situation until the building is demolished and then basement incinerator will be decontaminated.</p>
Roads & Airports Central Expressway & Oakmead Parkway, Santa Clara	MEDIUM	<p>In 1990 a consultant for the Koll Center Community Association found solvent contamination in soil and groundwater beneath their property, which is down gradient and adjacent to Central Expressway. Koll's consultant asserted that this contamination had come from an off-site source. The highest concentrations of several solvents were found along the southern edge of the expressway, which is owned by the County.</p> <p>Several groundwater investigations have been performed by consultants hired by the County but have not identified the source. A remedial investigation/feasibility study was submitted by the County's consultant, CH2M Hill, to the RWQCB on August 1, 2003. This report recommended the most viable remediation method (natural attenuation) and reduced groundwater monitoring. The RWQCB responded with a Clean Up Order which adopted the consultant's recommendations in February 2004. Annual groundwater monitoring and reporting to the RWQCB is ongoing. While natural attenuation is minimal, the site is stable and expected to remain so for the foreseeable future. No new development has occurred from last year.</p>

Facility Name & Address	Cost Rank*	FY14 Site Mitigation Activities/Current Status
Roads & Airports Oregon Expressway Pump Station Palo Alto	MEDIUM	<p>This pump station prevents ground water and rain from flooding Oregon Expressway underpass, where the water table is relatively high. Varian, Hewlett-Packard, and Stanford Industrial Park are the responsible parties for a solvent plume, which has contaminated the groundwater. The responsible parties installed a treatment system at the site in 2002, and reimburse all costs related to clean up of the contamination at the pump station, with the exception of County labor.</p> <p>Discharges from the treatment system are permitted to go to Matadero Creek under a National Pollutant Discharge Elimination System (NPDES) permit, or to the City of Palo Alto under an Industrial Waste Discharge Permit (IWDP).</p> <p>This requires continuous monitoring of discharges and quarterly and semi-annual reporting to the RWQCB and the City of Palo Alto.</p> <p>No new developments have occurred at this mitigation site for several years. It remains an ongoing monitoring and reporting project. No new development has occurred from last year.</p>

**Cost Ranking:**

LOW -	\$0 to \$5,000
MED -	\$5,000 to \$50,000
HIGH -	\$50,000 to \$100,000
VERY HIGH -	More than \$100,000

\* Site mitigation activities have been ranked based on estimated costs to be incurred in FY14. Project length varies from between one month to many years. Costs can change as mitigation proceeds, assessments are updated, or as a result of regulatory conditions.