ELECTRONIC CHROME CO., INC.

9132 Dice Road
Santa Fe Springs, CA 90670

(213) 946-6671

SB-198

INJURY AND ILLNESS PREVENTION PROGRAM

Revision 1
March 1992

Hard Chrome Plating Facility

SIC Code 3471 - Plating and Polishing

Program Administrator

Mike Reed

Emergency Coordinator

Mike Reed

Copyright 1991

BAB-CAN CONSULTING
P. O. BOX 7081, City of Industry, CA 91744
(714) 594-0500

DISCLAIMER

A company's safety program must involve everyone in your company, from top management to operators, since only as a group can you identify and resolve any operational problems. It is your responsibility to implement and communicate the information and material contained herein to all persons involved in this program. Where a language barrier or insufficient schooling would prevent a person from reading and understanding the contents herein you should either translate this information or have it read or interpreted to the person, with the assurance that it is understood.

RENUNCIA

En un programa de seguridad de la compania se debe de involucrar a todos en la compania, desde lo alto de la Gerencia hasta los operadores unicamente como un grupo pueden ustedes identificar y resolver todos los problemas operacionales. Es su responsabilidad implementar y comunicar la informacion y el material contenido aqui dentro a todos los problemas operacionales. Es su responsabilidad implementar y comunicar la informacion y el material contenido aqui dentro a todas las personas envueltas en este programa. Donde exista una barrera, ya sea por el lenguage o por insuficiente educacion, lo que prevenga que una persona lea o entienda lo contenido aqui dentro, ustedes deberian de traducir esta informacion o hacer que se lea o interprete a esa persona, con la seguridad de que sea entendido.

INJURY AND ILLNESS PREVENTION PROGRAM
(SB 198)

TABLE OF CONTENTS

1st Yellow - Management's Statement
- Policy Letter
- Senate Bill 198 Summary
- Quick Reference Chart

1st Red - Injury and Illness Prevention Program

1st Clear - Glossary

1st Green - CAL/OSHA Directory

1st Pink - Blank Forms

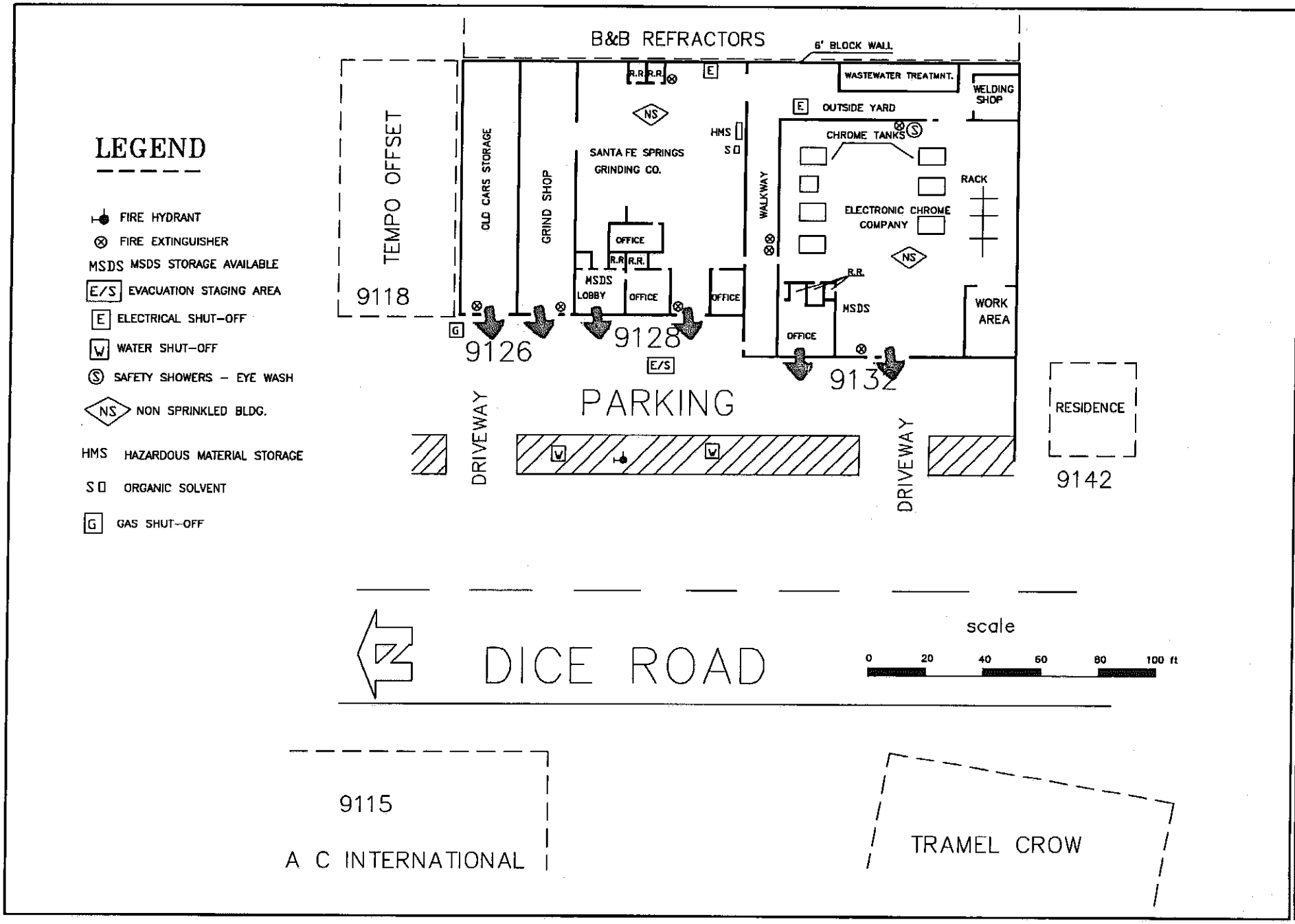
2nd Yellow - Appendix A
- Codes of Safe Practice
  - General
  - Job Stations

2nd Red - Appendix B
- The Law: Injury and Illness Prevention Program
  - SB 198 as Chaptered
  - SB 198 as Codified in Labor Code 6401.7
- Manager Liability for Serious Workplace Violations
  - AB 2249 Dangerous Business Practices
  - AB 1675 Manslaughter

2nd Clear - Appendix C
- Injury and Illness Prevention Program
  - 3203 General Industry Safety Order
  - Other Safety Orders

2nd Green - Appendix D
- California Work Injuries and Illness 1989 (Selected Tables)

2nd Pink - Survey Material
- Employee Accidents
- Employee Safety Meetings
- Employee Safety Awards
- Facility Inspections


LEGEND
FIRE HYDRANT
FIRE EXTINGUISHER
MSDS MSDS STORAGE AVAILABLE
E/S EVACUATION STAGING AREA
E ELECTRICAL SHUT-OFF
W WATER SHUT-OFF
S SAFETY SHOWERS – EYE WASH
NS NON SPRINKLED BLDG.
HMS HAZARDOUS MATERIAL STORAGE
S ORGANIC SOLVENT
G GAS SHUT-OFF
B&B REFRACTORS
6' BLOCK WALL
WASTEWATER TREATMNT.
WELDING SHOP
OUTSIDE YARD
CHROME TANKS
RACK
ELECTRONIC CHROME COMPANY
TEMPO OFFSET
9118
OLD CARS STORAGE
GRIND SHOP
SANTA FE SPRINGS GRINDING CO.
OFFICE
MSDS LOBBY
HMS
WALKWAY
MSDS
WORK AREA
9126
9128
9132
PARKING
DRIVEWAY
RESIDENCE
9142
DICE ROAD
scale
0 20 40 60 80 100 ft
9115
A C INTERNATIONAL
TRAMEL CROW
SITE PLAN
ELECTRONIC CHROME & GRINDING CO. INC.
9126, 9132 DICE RD.
SANTA FE SPRINGS, CA 90670
8/31/91
J. KARAM

MANAGEMENT'S STATEMENT

This manual has been specifically designed to assist us, and with your cooperation, to create a safe and healthful working environment for everyone in our company.

We have expanded our existing safety program with the adoption and incorporation of new practices, means, methods, operations, and processes which will assist to render everyone in their work environment, with a safe and healthly workplace.

Our new written program is called "Injury and Illness Prevention Program". We have developed as well, a "Codes of Safe Practice" that effectively addresses indentified hazards. Now that this program is established and approved by me, it will take effect immediately, and be maintained.

We are and will continue to review all work areas for safety and health related issues, and call on each and everyone in the company to have the same enthusiasm as we have. We will do whatever is reasonably necessary to protect the life, safety, and health of our employees. And, will continue to furnish safety devices and add safeguards wherever they are needed.

Safety training is mandatory for everyone and will be completed for all new employees, and all employees given a new job assignment that they have not been previously trained for. If new substances, processes, procedures or equipment are introduced, or whenever we receive notification of a new or previously unrecognized hazard, all involved will receive the proper training prior to work commencement.

We are asking for your cooperation with this program and want you to know that no employee will be discharged or discriminated against for making constructive complaints, instituting proceedings, or testifying with regard to employee safety or health. We need your help to created the safest work environment that we can!

Forms are available for your comments or ideas, from your supervisor or next to the suggestion box. You can even place suggestions in the suggestion box next to the time clock without your name on them if you wish.

It is important to note that this program includes a section on disciplinary actions for those employees who do not comply with safe and healthful work practices.

Your company is taking this program very seriously and wants and needs everyones cooperation in making this a team effort to succeed.

Mike Reed

Mike Reed
Vice President

TO: ALL EMPLOYEES

SUBJECT: SAFETY AND HEALTH

POLICY LETTER

Safety and health in our business must be a part of every operation. Without question it is everyone's responsibility at all levels.

Our objective with regards to safety and health is a new expanded safety program known as our "Injury and Illness Prevention Program" that will reduce the number of injuries and illnesses to an absolute minimum, not merely in keeping with, but surpassing, the best experience of operations like ours.

Our "Injury and Illness Prevention Program" will include all necessary mechanical and physical safeguards; inspections to find and eliminate unsafe working conditions or practices; training for all employees in good safety and health practices; use of personal protective equipment wherever necessary; safety and health rules to be followed by all employees; investigation of every accident to prevent recurrence; and recognition for outstanding safety performance.

As Program Administrator, I accept responsibility for overall safety and health in our operation.

All management is responsible for leadership of the safety and health program, for its effectiveness and improvement, and for providing the safeguards required to ensure safe conditions.

Supervisors are responsible for ensuring that all operations are performed with the utmost regard for the safety and health of all personnel involved, including themselves.

Employees are responsible for wholehearted, genuine cooperation with all aspects of the safety and health program--including compliance with all rules and regulations--and for continuously practicing safety while performing their duties.

To be successful, our "Injury and Illness Program" needs the cooperation and involvement of every one of us. Safety is your responsibility.

Very truly yours,
ELECTRONIC CHROME CO., INC.

Mike Reed

Mike Reed
Vice President

Distributed to all employees and posted on the Bulletin Board.

Electronic Chrome & Grinding Co. Inc.

9128-32 DICE RD. • SANTA FE SPRINGS, CA 90670 • (213) 946-6671
Hard Chrome Plating • Internal & External Grinding
Chrome Tanks 12 Foot Depth • Power Honing to 6'' Capacity
Grinding Capacity to 20'' x 120''

A : TODOS LOS EMPLEADOS

ASUNTO: SEGURIDAD Y SALUD

CARTA DE PLAN DE ACCION

La seguridad y salud en nuestro negocio debe de ser parte de toda operacion. Sin lugar a dudas es la responsabilidad de cada uno en todos los niveles.

Nuestro objetivo es un programa para prevenir accidentes y enfermedades; que reducira el numero de lesiones y enfermedades a un minimo absoluto, no unicamente en mantener, pero sobrepasar, la mejor experiencia en operaciones como la nuestra.

Nuestro "Programa de Prevencion de Accidentes y Enfermedades" incluira todas las salvaguardias mecanicas y fisicas necesarias; inspeccciones para encontrar y eliminar condiciones o practicas inseguras de trabajo; entrenamiento para todos los empleados en practicas buenas de salud y seguridad; el uso de equipo protector personal donde sea necesario; reglas de seguridad y salud para ser seguidas por todos los empleados; investigacion de cada accidente para prevenir su recurrencia; y el reconocimiento de una actuacion segura y sobresaliente.

Como Administrador del Programa yo acepto la responsabilidad para la completa seguridad y salud en nuestra operacion.

Toda la gerencia es responsable para asegurar de que todas las operaciones sean hechas con la mayor consideracion para la seguridad y salud de todo el personal involucrado, incluyendo ellos mismos.

Los empleados son responsables de una sincera y genuina cooperacion en todos los aspectos del programa de seguridad y salud--incluyendo obediencia a todos los reglamentos y regulaciones--y de continuamente practicar la seguridad mientras esten en el desempeno de sus funciones.

Para que nuestro "Programa de Prevencion de Accidentes y Enfermedades" tenga exito, se necesita la cooperacion e involucracion de cada uno de nosotros. La seguridad es su responsabilidad.

Sinceramente suyos,

Mike Reed

Mike Reed
Vice President

Distributed to all employees and posted on the Bulletin Board.

CALIFORNIA SENATE BILL 198

SUMMARY

California Senate Bill SB 198 was signed by the Governor in October 1989. It was declared an emergency measure and became effectively immediately after signing, however, a substantial portion of the bill is dependent upon adoption of the injury prevention standard program and the Director's list of high hazard industries, which must be adopted on or before January 1, 1991 and consequently will not go into effect until July 1, 1991. This bill makes numerous changes generally designed to redirect the emphasis of Cal/OSHA towards ensuring employers have effective worksite injury prevention programs, to focus Cal/OSHA discretionary inspections in the highest hazard industries to limit the number of follow-up inspections which Cal/OSHA must perform. The major requirements of the bill are shown below:

1. Requires every employer to establish, implement and maintain an effective written injury prevention program, and to provide specified training of employees.

2. Requires the Standards Board to adopt a standard on injury prevention programs.

3. Requires that each CAL/OSHA inspection must include an evaluation of the employer's injury and illness prevention program.

4. Provides that an employer must submit a signed statement that abatement terms for serious violations have been complied with (if not abated at the time of inspection) within 10 working days after the abatement date unless the violation is appealed.

5. Provides that the Division shall revoke any adjustments to the civil penalty based on abatement for serious violations if the signed statement of abatement is not received within 10 working days after the end of the period fixed for abatement.

6. Changes penalty provisions to provide that if a serious injury, illness, exposure or death results from any serious, willful or repeat violation, or by any failure to correct a serious violation, the penalty shall not be reduced for any reason except size of employer.

7. Provides that the director may revoke a certificate to self insure if the employer receives a citation for a willful, or repeat serious violation of the injury prevention program standard and the citation becomes final.

8. Provides that employers cannot discharge or retaliate against an employee for serving on an occupational safety and health committee.

9. Requires the Director to establish a list of the 100 highest hazard industries in California and requires the Division to establish and maintain regional plans for allocating the Division's enforcement resources based on the list of high hazard industries.

10. Requires that when the Division verifies abatement of a serious violation on an inspection, the employer shall post a notice prepared by the Division for three working days, in addition to posting the citation.

11. Changes provisions relating to follow-up inspections to require mandatory follow-up inspections only for the following:

    - Serious violation of a standard relating to the injury prevention program.

    - Special order or order to take special action.

    - Serious violations relating to orders to take special action or special orders.

    - Repeat and willful violations.

    - Violations with abatement dates of less than six days.

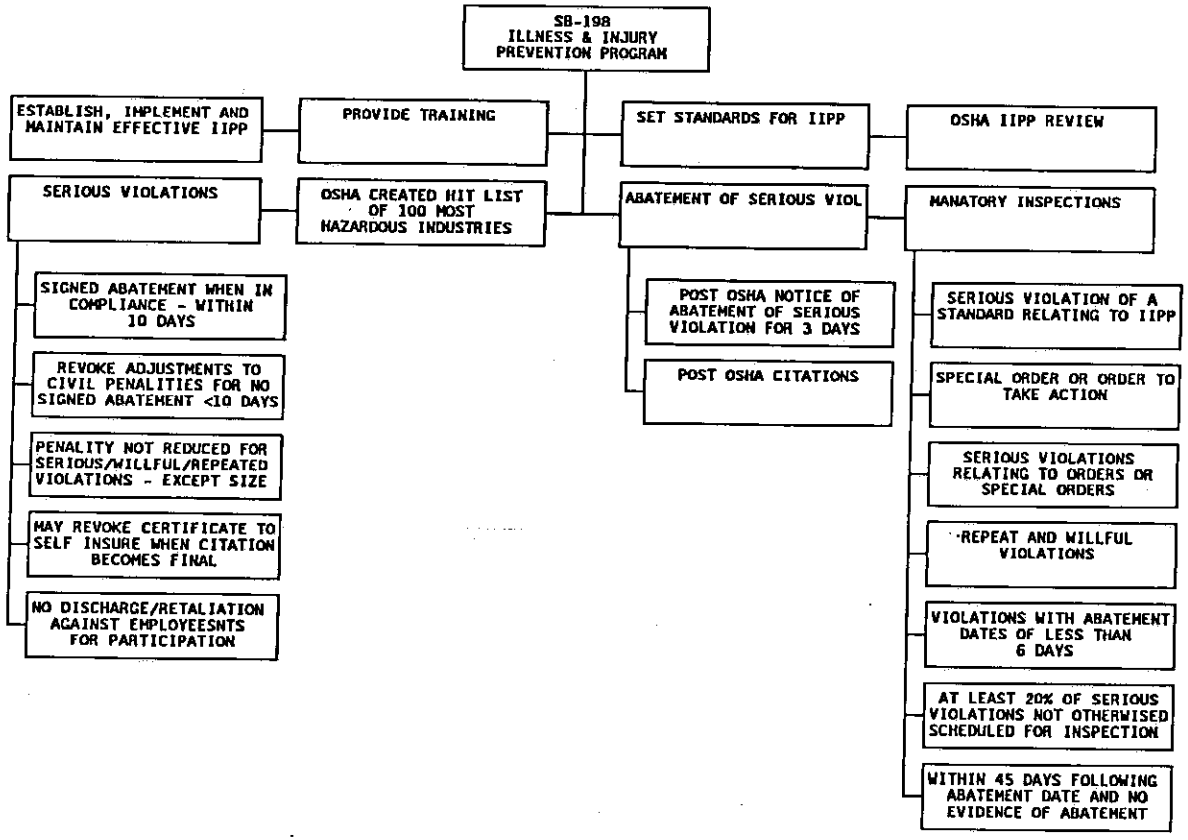
    - At least 20 percent of the inspections or investigations involving a serious violation not otherwise scheduled for inspection.

12. Provides that follow-up inspections will also be conducted within 45 days following the abatement date if CAL/OSHA has not received evidence of abatement of a serious violation.

INJURY & ILLNESS PREVENTION PROGRAM
SB-198 SUMMARY
OCTOBER 1989

* QUICK REFERENCE ONLY *
REFER TO REGULATIONS
FOR COMPLETE DETAILS

198-LAW
CHART NL
QUICK PRINT 20/20



INJURY AND ILLNESS PREVENTION PROGRAM

TABLE OF CONTENTS

		Page No.
Section I	Our Company's Commitment to Safety and Health	9
	A. Safety and Health	9
	1. Policy	9
	2. Purpose	9
	B. Company Housekeeping Policy	9
	C. Responsibility for Safety and Health	10
	1. Program Administrator	10
	2. Emergency Coordinator	11
	3. Managers and Supervisors	11
	4. Employees	12
Section II	Hazard Assessment Control	12
	A. Identification of Workplace Hazards	12
	1. Hazard Assessment/Codes of Safe Practice	12
	2. Periodic Scheduled Inspection	13
	3. Unscheduled Inspections	13
	4. Documentation of Inspections	14
	5. New Processes, Substances, Procedures or Equipment	14
	6. Employee Reporting of Hazards	14
	B. Monitoring and Correcting Identified Potential Safety and Health Concerns	14
	1. Newly Discovered Safety and Health Concerns From Scheduled or Unscheduled Inspections	14
	2. Hazards Which Give Rise to a Risk of Imminent Harm	15

		Page No.
Section III	Response Procedure for Occurrence of Incidents or Emergencies	15
	A. Evacuation Procedure	16
	B. Fire	16
	- Fire Fighting Stations	17
	- Uncontrollable Fire	17
	C. Explosion	18
	D. Acts-of-God Occurrences	18
	E. Response Procedures for Spills/Leaks of Hazardous Materials	19
Section IV	General Codes of Safe Practice	20
Section V	Communication With Employer/Employee's on Safety and Health Issues	20
	A. Safety Meetings	20
	B. Anonymous Notification Procedures	21
	C. Postings	21
	D. Training	21
Section VI	Enforcement of the Safety Program	22
	A. Incentive Program	22
	B. Disciplinary System	22
Section VII	Safety and Health Training	22
	A. Safety Orientation and Training	23
	B. When Training Will Occur	24
Section VIII	Accident Investigation	24
	A. Company Policy	24
	B. Responsibility for Accident Investigation	24
	C. Procedures for Investigation of Accidents and Preventing Reoccurrences	25
Section IX	Record Keeping	25
Section X	Review and Approval	25

I. OUR COMMITMENT TO SAFETY AND HEALTH

A. SAFETY AND HEALTH

1. Policy

Electronic Chrome Co., Inc. is firmly committed to maintaining a safe and healthful working environment. To achieve this goal this place of employment has complied with Cal/OSHA General Industry Safety Order 3203 by establishing an Injury and Illness Prevention Program. This program is designed to prevent workplace accidents, injuries, and illnesses. A complete copy of the program is maintained in the office and is available for your review. The relevant portion of the program applicable to you and your job station is also provided to you.

Note: See Notice to Employees form #116Q010A-0 located with blank forms in the 1st Pink Section.

2. Purpose

This "Injury and Illness Prevention Program" has been written to be used as a guide for our managers, supervisors, and plant employees to assist them in establishing and maintaining the highest level of safety and health conditions for our facility. The information in this manual reflects our senior management's position on employee safety. It is each manager, supervisor, and employee's responsibility to know our safety policy. This manual is to be used for communicating, involving, and reinforcing our safety standards and program. All must be aware of our policy and their job safety responsibilities.

It is our primary concern and intent that conditions affecting the safety and health of our employees be covered in this manual, however, we realize that this is not always possible. When these instances arise, we expect each and every employee to use good judgement to insure that the health and safety of all our personnel is not jeopardized.

B. COMPANY HOUSEKEEPING POLICY

Good Housekeeping Codes of Safe Practice is an integral part of any effective safety program. Keeping work areas neat and clean reduces the chances of accidents and injuries. Well-organized work areas also increase the ability of employees to perform their jobs efficiently. Each employee is responsible for keeping his or her work area neat and orderly. Housekeeping inspections will be conducted in each department on a regular basis. The following is an excerpt from our Good Housekeeping Codes of Safe Practice that are

general in nature and apply to everyone. A complete listing can be found in Appendix A and will be issued to each employee upon initial training.

Employees shall maintain a clean work area. Good housekeeping means taking an orderly and well-planned approach to every job. When everything is in order; tools properly stacked and arranged, etc., most of the hazards will have been removed. When assigned a project, plan ahead. Set things up and think how the area must be arranged to prevent trips, slips, falls, objects falling, your hands getting caught in pinch points, awkward lifting positions, and inspect all materials you will be working with to insure they are free from defects. Housekeeping is the first rule of safety. Clear aisles make for easier walking, carrying, forklift operation and electric cart operation.

C. RESPONSIBILITY FOR SAFETY AND HEALTH

1. Program Administrator

The Program Administrator is Mike Reed and can be reached through the main office. The Program Administer is responsible for the overall implementation and maintenance of the company's Injury and Illness Prevention Program. The Program Administrator's duties include, but are not limited to:

a. Ensuring that managers and supervisors are trained in workplace safety and are familiar with the safety and health hazards to which employees under their immediate direction or control may be exposed, as well as applicable laws, regulations and company safety rules and policies;

b. Ensuring that employees are trained in accordance with this program;

c. Inspecting, recognizing, and evaluating workplace hazards on a continuing basis;

d. Developing methods for abating workplace hazards;

e. Ensuring that workplace hazards are abated in a timely and effective manner;

f. Responsible for maintenance of equipment and systems installed to prevent or control ignitions or fires, including responsibility for the control of accumulation of flammable or combustible waste materials.

The Program Administrator may assign all or some of these tasks to other individuals within the Company.

Nevertheless, the Program Administrator remains ultimately responsible for the implementation and maintenance of our Injury and Illness Prevention Program.

2. Emergency Coordinator

The Emergency Coordinator is Mike Reed who is responsible for coordinating all emergency response measures and as such has the authority to commit the resources needed to carry out the position.

Personnel qualified to act as an Emergency Coordinator are on the premises or on call and capable of quick arrival at all times. The Emergency Coordinator is thoroughly familiar with:

- All operations and activities at the facility;
- Location and characteristics of hazardous and non-hazardous materials and wastes handled;
- Location of all records within the facility, and
- The facility layout.

3. Managers and Supervisors

It is each manager's and supervisor's responsibility to know our safety policy, as it is our way of communicating, involving, and reinforcing our safety standards and program.

As a Manager/Supervisor you are in a special position of responsibility. You are entrusted with the obligation to safeguard the well being of the workers in your area. You can motivate your employees toward proper accident awareness by adopting the following guidelines:

KNOWLEDGE :	1.	Know the rules of safety that apply to the work you manage/supervise. Obtain expert safety advice.
EXAMPLE :	2.	Set a good example by demonstrating safety in your own work habits and personal conduct.
COMMUNICATION:	3.	Encourage your employees to discuss the hazards of their work with you. Be sure they understand and accept our codes of safe practice.
ANTICIPATE HAZARDS :	4.	Anticipate hazards before they occur, or risks which may arise from changes in equipment or methods.

Inspect the work environment regularly.

MOTIVATION : 5. Motivate your employees to work safely by methods such as: periodic meetings, recognition for good safety records, use of educational materials (films, printed matter, field demonstrations), and your personal approval of a difficult task well handled.

INVESTIGATE : 6. Investigate and analyze every accident and near miss. Correct the cause. Encourage employees to report minor injuries and near misses in order to avoid a possible major injury later.

COOPERATE : 7. Cooperate with others in your organization who are actively concerned with preventing accidents. Your combined purpose is to keep employees fully able and on the job.

4. Employees

The responsibility of each and every employee in our company is to prevent workplace accidents, injuries, and illnesses. This is accomplished by knowing and understanding our safety policy, and cooperating with your supervisor and our Program Administrator in accomplishing our overall goals.

II. HAZARD ASSESSMENT CONTROL

A. IDENTIFICATION OF WORKPLACE HAZARDS

1. Hazard Assessment/Codes of Safe Practice

Based on a review of the following company information:

- Employee job responsibilities by station;
- Potential occupational safety and health hazards by plant layout of job stations;
- Material Safety Data Sheets which pertain to this location;
- Investigation of all accidents, injuries, illnesses, and unusual events that have occurred at this location.

A method known as "Codes of Safe Practice" describes

safety related work procedures and conditions which, if complied with, minimize hazards associated with the particular type of work. "Codes of Safe Practice" are used for inspections, training and disciplinary purposes.

We have created "Codes of Safe Practice" for the general facility and each job station. All employees will require training on the "Codes of Safe Practice" prior to work commencement.

2. Periodic Scheduled Inspection

Based on a review of the above Hazard Assessment/Codes of Safe Practice, a periodic schedule of inspections has been created on a general facility and job station format. The schedule notes the frequency of inspections and must be carried out either by the Program Administrator or someone he/she designates. **If the inspection is carried out by someone other than the Program Administrator, the Program Administrator must review and sign the inspection document.**

The frequency of inspections is based on the degree of the hazard and may involve periodic inspections on a daily, weekly, monthly or quarterly basis. Check Cal/OSHA Regulations to determine what, if any, particular schedule is required for the operation or item in question on any newly created job stations.

Note: See Job Station Codes of Safe Practice Inspection Checklist and Correction form #116Q010A-1 and General Facility Inspection Checklist and Correction form #116Q010A-2 located with blank forms in the 1st Pink Section.

3. Unscheduled Inspections

In addition to scheduled inspections and ongoing review, the Program Administrator will arrange for unscheduled surprise inspections. The subjects for these inspections will be chosen randomly but with particular emphasis placed on the most hazardous items in the workplace and general housekeeping.

If during this inspection any new hazard is discovered the following should happen:

a. Identify the hazard for all the employees to observe.

b. Create a "Code of Safe Practice" and add it to the Job Station Codes of Safe Practice Inspection Checklist and Correction Form #116Q010A-1 located with blank forms, showing the frequency of inspection desired.

c. Add new identified hazard to the "Codes of Safe Practice" relating to the job station (see Appendix A Codes of Safe Practice-Job Station in 2nd Yellow Section).

4. Documentation of Inspections

Periodic scheduled inspections are documented on the Job Station Codes of Safe Practice Inspection Checklist and Correction form #116Q010A-1 and General Facility Inspection Checklist and Correction Form #116Q010A-2 Completed forms are maintained in the main office with the Program Administrator or their designee.

5. New Processes, Substances, Procedures or Equipment

The Program Administrator will arrange for an inspection and investigation of any new process, substance, procedure, or equipment introduced into the workplace. The Program Administrator will also arrange for an inspection and investigation whenever the company is made aware of a new or previously unrecognized hazard.

6. Employee Reporting of Hazards

Employees are required to immediately report any unsafe condition or hazard that they discover in the workplace to their supervisor or the Program Administrator. No employee will be disciplined or discharged for reporting any workplace hazard or unsafe condition.

Employees who wish to remain anonymous may report unsafe conditions or hazards to the Program Administrator without identifying themselves by submitting comments on the forms provided next to the suggestion box.

Note: See Employee Safety Suggestion Information Form #116Q010A-3 located with blank forms (1st Pink Section).

B. MONITORING AND CORRECTING IDENTIFIED POTENTIAL SAFETY AND HEALTH CONCERNS

1. Newly Discovered Safety and Health Concerns from Scheduled or Unscheduled Inspections

Any newly discovered safety and health concerns from scheduled or unscheduled inspections, accidents, or any information or ideas received from employee complaints or suggestions, will be reviewed immediately. The Hazard Evaluation Employee/Management Identification/ Correction Form #116Q010B-4 will be used as a log to identify, evaluate and correct the situation.

Note: See Hazard Evaluation Employee/Management Identification/Correction Form #116Q010B-4 located with blank forms (1st Pink Section).

2. Hazards Which Give Rise to a Risk of Imminent Harm

Whenever possible, it is our Company's intent to abate immediately any hazard which gives rise to a risk of imminent harm. When such a hazard exists which the Company cannot abate immediately without endangering employees and/or property, all exposed personnel will be removed from the area of potential exposure except those necessary to correct the hazardous condition. All employees involved in correcting the hazardous condition will receive appropriate training and will be provided with necessary safeguards and personal protective equipment.

III. RESPONSE PROCEDURE FOR OCCURRENCE OF INCIDENTS OR EMERGENCIES

In all emergencies where it is obvious medical attention is needed immediately respond as follows:

- Manager is to be notified immediately regarding any accident.
- **Call 911** for paramedics or ambulance and get medical help as situation requires.
- If employee can be transported in private vehicle, the Manager or designee will fill out a clinic admittance slip in duplicate.
- The Manager or designee will have the employee(s) taken to the clinic.
- The Manager will immediately, after the employee leaves the plant, fill out a "Accident, Injury and Illness Investigation Report" Form #116Q010A-5.

  Note: See Accident, Injury and Illness Investigation Form #116Q010A-5 located with blank forms (1st Pink Section).

In all non-emergency cases the following procedures should be observed:

- Supervisor will advise a Manager or, if he is not available, another supervisor. The two will decide if the employee(s) has a work-related problem and should be sent to the clinic.
- If there is a doubt, the employee(s) should be sent to the clinic with a notation made on the admittance slip as to the doubt.
- If it is not a work-related problem, the employee(s) should be advised to see a doctor connected with whichever insurance plan he/she has.
- The Supervisor will fill out a clinic admittance slip in duplicate and provide the employee with the original to be

given to the clinic.

- The Supervisor will fill out a "Accident, Injury, and Illness Investigation Report" Form #116Q010A-5.

  Note: See Accident, Injury and Illness Investigation Form #116Q010A-5 located with blank forms (1st Pink Section).

The response procedure for the control and termination of incidents are described in this section. These incidents are associated with controlled and uncontrolled fires, explosion, spills/leaks of hazardous materials and Act-Of-God occurrences such as earthquake, flood, atmospheric debris and other unforeseen occurrences which cannot be identified until it occurs. Command control during these unforeseen situations will be the Emergency Coordinator, Mike Reed.

A. EVACUATION PROCEDURE

In the event of an emergency which would require total evacuation of the plant, notification will be made through the intercommunication and/or paging systems. The routes to be taken for evacuation are shown on the map in the office and other conspicuous locations through-out the facility.

Once evacuated, plant employees will assemble in the employee staging area, conditions permitting such as wind direction and traffic. A designated employee present will conduct a head count at the assembly area and report results to the Emergency Coordinator as soon as possible. Employees not able to report to an assembly area will contact the Emergency Coordinator as soon as possible.

B. FIRE

Fire drills are conducted by company management every six (6) months to acquaint employees with each one's responsibility and duties during a fire.

In the event of a fire, the following procedure will be followed:

(1) Notify plant management and the Fire Department immediately. Notify plant employees through the intercommunication and/or paging system.

(2) Plant management will determine the type of fire, method of fire fighting and notification sequence. In any case, one employee will be dispatched to man the plant entrance and direct emergency response units until that employee is relieved by a management representative.

(3) In case of chemical fires, it is very important that

water **NOT** be applied immediately, but that the situation be fully evaluated prior to application of water. In emergency situations, water may not always be the best control measure. Extinguish such fires by means of chemical extinguishers. If the nature of the product on fire is unknown, evacuate the immediate area to an upwind location and wait for management/fire department instructions.

(4) All employees should immediately report to a fire fighting station upon alert of such a condition. Plant management will be assessing the hazard potential and will direct employees accordingly. All fires should be approached with protective equipment appropriate to known hazards. If hazards cannot be readily assessed, protective equipment appropriate to the worst known hazard must be worn.

An escape route must be predetermined for the fire crew. Every effort will be made to prevent spread of a fire or reduce its magnitude in the least amount of time, consistent with safety of the fire team.

Fire Fighting Stations

- Fire extinguisher - Upon notification of plant management of the situation, the employee first sighting the fire should secure the closest extinguisher for extinguishing and/or containment of the fire. Additional extinguisher help may be needed.

- Maintenance mechanic - One maintenance employee will be notified by the Emergency Coordinator to stand by with tools available. Upon direction of the Emergency Coordinator, the maintenance mechanic will shut off gas and electrical services to the plant.

- Traffic Control - One employee will be directed by the Emergency Coordinator to close the plant to all incoming traffic, except emergency vehicles. This employee will also be responsible for keeping the access road to the plant clear and unobstructed for emergency response teams.

- Assembly Area - All employees not directly involved in fire control will assemble in the employee staging area away from the front of the plant and await instructions from plant management. A head count of all employees will be accomplished at assembly and prior to anyone leaving for home.

Uncontrollable Fire

In the event of an uncontrollable fire, the following procedures should be followed.

- Call for help - Alert employees through the intercommunication and/or paging system. Notify plant management and notify the fire department. **Dial 911**

- Evacuate the area - Whenever possible, evacuate the hazard area by moving upwind from the fire. Follow evacuation procedure, if it becomes necessary to evacuate the site.

- Follow management instructions - Report to the employee staging area for further direction. A head count of all employees will be accomplished at assembly and prior to anyone leaving for home.

C. EXPLOSION

In the event of an explosion the following procedures shall be followed:

(1) Alert employees through the intercommunication and/or paging system as to the degree and location of the explosion. Instruct personnel to stay clear of the area involved.

(2) Notify Management. The Emergency Coordinator or designee is to notify the Fire Department. **Dial 911**

(3) If a fire develops, follow emergency procedures for fire control or evacuation. The Emergency Coordinator will give the order to evacuate if necessary.

(4) Equipment which may have been directly or indirectly affected by the explosion shall be removed from service once management has determined the area to be safe for entry. The affected equipment shall be inspected and certified fit prior to return to service.

(5) Follow instructions as directed by the Emergency Coordinator on the scene.

(6) Once the emergency condition is no longer imminent and site evacuation was deemed not to be necessary, employees are to meet at the employee staging area for a head count.

D. ACTS-OF-GOD OCCURRENCES

Acts-of-God occurrences include such events as earthquake, flood, etc. Should an event of this type occur, the following procedures should be followed:

(1) Alert employees through the intercommunication and/or paging system.

(2) The Emergency Coordinator is to notify the fire and police department, if possible, that the plant is being secured and will request that assistance, if necessary, is required.

(3) The Emergency Coordinator will supervise the shutting down of plant operations and closing the plant.

(4) The Emergency Coordinator will evacuate the plant to the employee staging area. A head count of all employees will be accomplished at assembly and prior to anyone leaving for home.

(5) If a fire develops, follow emergency procedures for fire control.

(6) If a spill occurs, follow emergency procedures for the appropriate spill response.

(7) Maintain contact if possible with the fire and police department for information and instructions.

(8) Once the emergency condition has subsided, the Emergency Coordinator will assess the conditions in the plant and initiate the necessary measures to correct any damage and place the plant into operation.

(9) A facility evaluation inspection shall be performed after any major Act-Of-God (earthquakes, floods, storms, etc.)

Note: See Act-Of-God - Prevention of Recurrence-Inspection Form located in the **Contingency Plan** (1st Red Section).

E. RESPONSE PROCEDURES FOR SPILLS/LEAKS OF HAZARDOUS MATERIALS

Hazardous materials and wastes are well contained in the plant. Hazardous materials are stored in controlled areas and when required in the plant are transported in closed containers to the area of usage. Consequently, it is anticipated that any spill/leak response will not be complex nor of great magnitude. If additional equipment is required to provide back-up spill response, management will request the service from an outside source. In the event of a major spill/leak, the following procedures are to be followed by all employees:

1. Prevent Spreading - The employee detecting the spill should immediately stop the source of the spill or leak and prevent flow from spreading <u>if this can be done safely</u>. Stopping the spill may involve turning off equipment, righting a barrel, or other appropriate action. Flow to the outside drainage system is to be prevented if at all possible by diking or other methods.

2. Summon Emergency Coordinator - The Emergency Coordinator should be summoned to the scene and informed of the source and nature of the spill/leak and of mitigation activities which have been carried out up to that time.

3. Directing Clean Up Activities - The Emergency Coordinator will then assume responsibility for directing clean up activities. He will summon to the scene that manpower and equipment which is needed to respond to the incident, and will direct their activities for the duration of the response.

4. Assistance - The Emergency Coordinator will contact, or have a designated person contact, any support groups whose assistance is needed in the response effort such as the police or fire department by dialing 911. Management will make the proper notification to regulatory agencies, should it be required.

5. Containment - Once the spill/leak has been isolated and the source of the spill/leak has been eliminated, efforts will be directed towards containment of the spilled materials within the smallest area possible, this should help minimize the amount of area which must be cleaned and decontaminated making the response effort as efficient as possible.

6. Final Clean Up - After the bulk of the spilled materials have been removed, final clean up of the area will be conducted. This will include decontamination of the area and equipment used for the clean up, in a manner which will return the affected area to its previous level of usefulness and safety. Disposal of material resulting from the clean up will be in accordance with all applicable regulations.

IV. GENERAL CODES OF SAFE PRACTICE

A listing of our General Codes of Safe Practice is located in Appendix A. These safety codes will be posted in conspicuous locations throughout our facility. It is imperative that everyone follows the safety codes established, for your safety and the safety of your fellow employees. Any violations of the safety codes will result in discipline up to and including termination.

V. COMMUNICATION WITH EMPLOYER/EMPLOYEES ON SAFETY AND HEALTH ISSUES

Effective communications with employees have been established which includes the following methods to meet the requirements:

A. SAFETY MEETINGS

Safety meetings will be conducted by management **every month.**

During these meetings, each manager/supervisor shall discuss with the employees under his or her direct supervision such issues as:

1. New hazards that have been introduced or discovered in the workplace;

2. Causes of recent accidents or injuries and the methods adopted by the Company to prevent similar incidents in the future; and

3. Any health or safety issue deemed by the manager to require reinforcement.

These safety meetings will be documented.

Note: See Safety Training/Meeting Documentation Employee Sign-Up Sheet form #116Q010A-7 located with blank forms (1st Pink Section).

B. ANONYMOUS NOTIFICATION PROCEDURES

Our Company has a system of anonymous notification whereby employees who wish to inform the Company of workplace hazards may do so anonymously by sending a written notification to the Program Administrator. The Program Administer shall investigate all such reports in a prompt and thorough manner. Employee Safety Suggestion Information Forms will be available at the suggestion box at all times so that the anonymous factor can be maintained. See Employee Safety Suggestion Information Form #116Q010A-3 located with blank forms (1st Pink Section).

C. POSTINGS

We have provided a bulletin board for the purpose of posting information. Regular safety information will be offered for your review, along with new information on the company, your department, new safety issues and responses to your suggestions or reports of unsafe workplace conditions or practices.

D. TRAINING

Our Company has training requirements designed to instruct you on general safety procedures, as well as on safety procedures specific to your job. These training requirements are described in greater detail in Section VII of this program.

Communication of Codes of Safe Practice for safe working conditions, work practices, and required personal protection equipment is included in initial and all subsequent training.

VI. ENFORCEMENT OF THE SAFETY PROGRAM

A. INCENTIVE PROGRAM

Any employee who makes safety suggestions adopted by our company will receive **$ 15.00** in recognition for their participation and enthusiasm in our safety program. Payment of any awards will be issued at the quarterly meeting.

Note: See Employee Safety Suggestion Information form #116Q010A-3 located with blank forms (1st Pink Section).

B. DISCIPLINARY SYSTEM

As stated in our policy letter "our objective is to maintain an "Injury and Illness Prevention Program" that reduces the number of injuries and illnesses to an absolute minimum, not merely in keeping with, but surpassing, the best experience of operations like ours."

To be successful, your cooperation and sincere involvement is essential and imperative.

The company safety rule disciplinary action has been incorporated to ensure our employee's a safe workplace. Our company feels very strongly that we must do our jobs safely. The Codes of Safe Practice in this program have been established to help us achieve this goal. Your supervisors and fellow workers are watching out for your safety, therefore if it is brought to your attention that you are involved in a unsafe procedure or violation of a safety code, you will be asked to cooperate in correcting the practice immediately.

All job stations within our company have been assigned safety related codes and procedures. Serious violations of these codes could result in your dismissal from the job. Repeated violations will not be tolerated.

The company overall objective is not to terminate but to create a safe work environment. With this mind, the company has the discretion to use less severe forms of discipline in certain cases. These forms will be verbal and written warnings, probationary action and demotion. We will use the option to take one or more of these steps including termination depending upon the seriousness of the violation particularly whenever the violation could have resulted in an injury to a employee.

We will enforce all Company Safety Codes. Absolutely no one is exempt from following safe work practices.

VII. SAFETY AND HEALTH TRAINING

Awareness of potential health and safety hazards, as well as knowledge of how to control such hazards, is critical to

maintaining a safe and healthful work environment and preventing injuries, illnesses, and accidents in the workplace. Our Company is committed to instructing all employees in safe and healthful work practices. To achieve this goal, our Company will provide training to each employee with regard to general safety procedures and with regard to any hazardous or safety procedures specific to that employee's work assignment.

A. SAFETY ORIENTATION AND TRAINING

The manager and applicable supervisors of each location must ensure that each employee receives thorough instruction covering all safety aspects of their job function, as well as, the general safety practices observed by our company. All employees will receive instructions on hazards basic to all locations such as, exits, spills, fire, slippery areas, etc. and specific instructions for the hazards of their job station.

Codes of Safe Practice have been developed which must be reviewed with each new employee by a manager or supervisor. A copy of these codes will be provided to each employee.

The Individual Employee Training/Agreement Documentation Initial Training form #116Q010A-8 located with blank forms (1st Pink Section) must be completed by both the supervisor and the employee to ensure that all employees are properly informed about our safety procedures and Codes of Safe Practice. This form will be filed in the employee personnel file and used as verification that the employee has understood the safe operation of potentially hazardous equipment and materials.

New employees will not perform any work with equipment or hazardous materials until the manager and/or supervisor is satisfied that they understand how to work safely with the equipment and materials necessary to perform their job function.

EMPLOYEE SAFETY TRAINING IS PROVIDED INITIALLY OR IN THE FOLLOWING CIRCUMSTANCES:

- Initial training for all current employees upon establishment of this program.

- New employees are provided initial training upon hiring prior to assignment.

- Employees are provided training when assigned to a job station for which training has not been received.

- Supervisors are trained on hazards and safe practices in their area of responsibility.

- Training includes general area safety, specific assignment or job station training, the potential occupational safety

and health hazards and the Codes of Safe Practice for the area. See form #116Q010A-8.

- Documentation of training is maintained for individual initial training and/or for group training sessions. This documentation is maintained in the main office. See form #116Q010A-8 and #116Q010A-7.

- Refresher training is provided annually.

B. WHEN TRAINING WILL OCCUR

Training will be provided as follows:

1. Upon hiring;

2. Whenever an employee is given a new job assignment for which training has not previously been provided;

3. Whenever new substances, processes, procedures or equipment which represent a new hazard are introduced into the workplace;

4. Whenever the Company is made aware of a new or previously unrecognized hazard; and

5. Whenever the Company, the Program Administrator, or Manager/Supervisor believes that additional training is necessary.

VIII. ACCIDENT INVESTIGATION

A. COMPANY POLICY

All work-related accidents will be investigated by our Company in a timely manner. Minor incidents and near misses will be investigated as well as serious accidents. A near miss is an incident which, although not serious in itself, could have resulted in a serious injury or significant property damage. Investigation of these instances may avoid serious accidents in the future.

Inspections (investigations) are conducted as soon as possible after an accident, occupational injury or illness, or hazardous unusual occurrence is reported. The Accident, Injury, and Illness investigation Form #116Q010A-5 located with blank forms (1st Pink Section) will be maintained in the office.

B. RESPONSIBILITY FOR ACCIDENT INVESTIGATION

All work-related minor incidents, near misses or accidents will be investigated by the supervisor, who will review his

findings with the manager. Upon completion of the manager's review, the manager will take the investigation report and his recommendations to the Program Administrator for review of the incident. At that time, the necessary corrective actions, changes or additions to the "Codes of Safe Practice" will be initiated if necessary. All documentation pertaining to the investigation will be filed in the office.

C. PROCEDURES FOR INVESTIGATION OF ACCIDENTS AND PREVENTING REOCCURRENCES

An accident should be considered a potential newly discovered safety and health concern. Refer to Section II-B-1 for instructions on this new potential hazard (see Form #116Q010A-5.

IX. RECORDING KEEPING REQUIREMENTS OF 8 CCR §3202(D) WILL BE ADHERED TO, INCLUDING:

Maintenance of all written records for three years.

X. REVIEW AND APPROVAL

This "Injury and Illness Prevention Program" is hereby approved.

Mike Reed

Mike Reed
Vice President

Responsible Person(s): Signature indicates that a copy of the program has been provided and responsibility to implement the program is understood.

Dale Reed

Dale Reed

Robert Cuevas

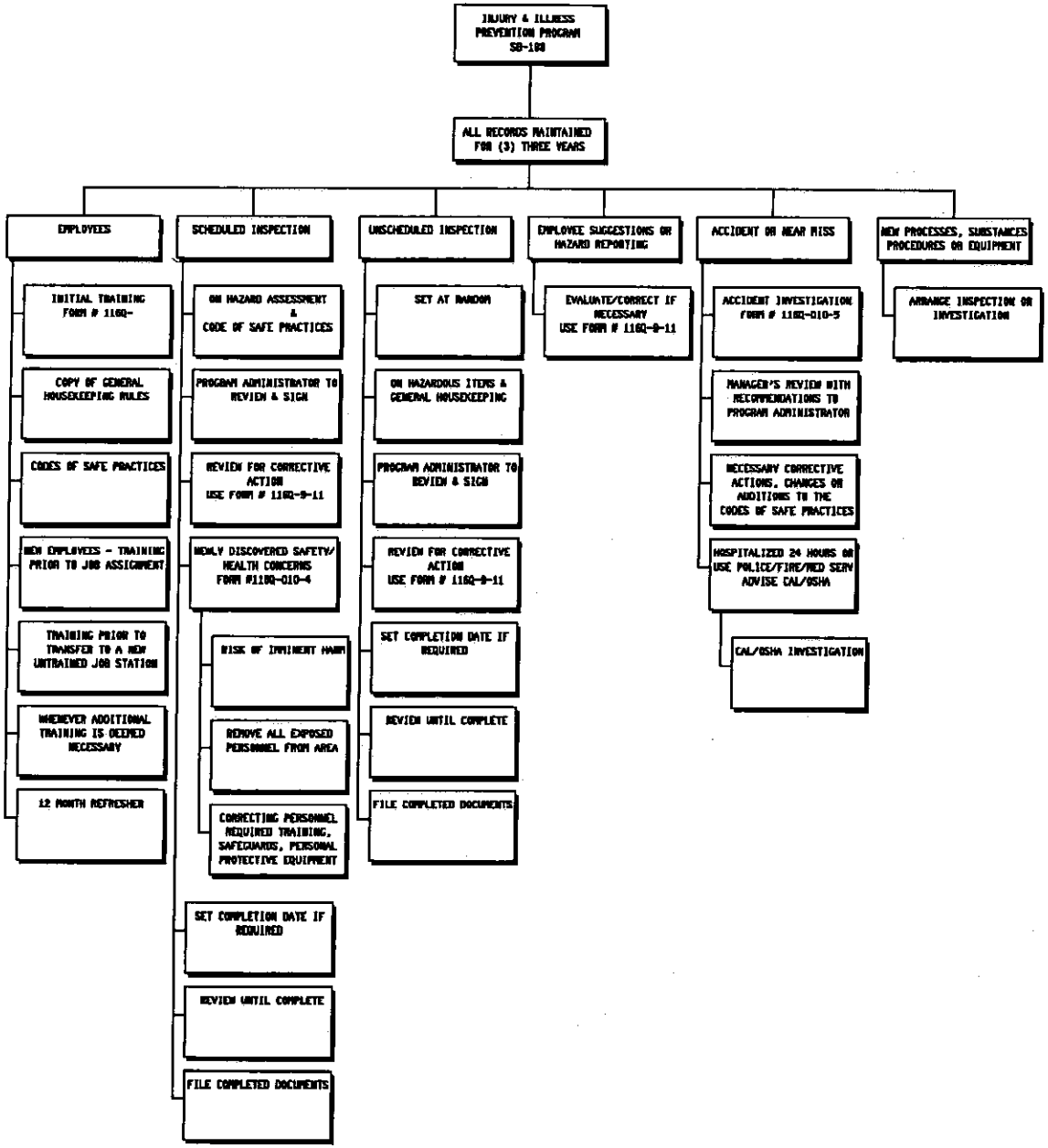
Robert Cuevas

INJURY & ILLNESS PREVENTION PROGRAM

SB-198 PROGRAM
WHAT HAPPENS & WHAT TO DO

* QUICK REFERENCE ONLY *
REFER TO REGULATIONS
FOR COMPLETE DETAILS

198-FLOW
CHART HL
QUICK PRINT 20/20



GLOSSARY

Actual knowledge:

The actual knowledge of a serious concealed danger means having information that would convince a reasonable person that such danger exists.

Appropriate Government Agency:

The appropriate government agency includes Cal/OSHA, the Department of Health Services, Department of Agriculture, County Health Departments, the Federal Food and Drug Administration, EPA, the National Highway Traffic Safety Administration, Federal OSHA, the Nuclear Regulatory Commission, the Consumer Product Safety Commission, the Federal Aviation Administration and the Federal Mine Safety and Health Review Commission.

CAS Number:

The unique identification number assigned by the Chemical Abstracts Service to specific chemical substances.

Chemical Name:

The scientific designation of a chemical in accordance with the nomenclature system developed by the International Union of Pure and Applied Chemistry (IUPAC) or the Chemical Abstracts Service (CAS) rules of nomenclature, or a name which will clearly identify the substance for the purpose of conducting a hazard evaluation.

Code of Safe Practices:

A method of briefly describing safety-related work procedures and conditions which, if complied with, minimize hazards associated with the particular type of work. Codes of safe practices can be used for inspections, training and disciplinary purposes.

Combustible liquid:

Any liquid having a flashpoint at or above 100%F (37.8'C), but below 200'F (93.3'C), except any mixture having components with flashpoints of 200'F (93.3'C), or higher, the total volume of which make up 99 percent or more of the total volume of the mixture.

Common name:

Any designation or identification such as code name, code number, trade name, brand name or generic name used to identify a substance other than by its chemical name.

Compressed gas:

(A) A gas or mixture of gases having, in a container, an absolute pressure exceeding 40 psi at 70'F (21.1'C);
or
(B) A gas or mixture of gases having, in a container, an absolute pressure exceeding 104 psi at 130'F (54.4'C) regardless of the pressure at 70'F (21.1'C);
or
(C) A liquid having a vapor pressure exceeding 40 psi at 100'F *(7.8'C) as determined by ASTM D-323-72.*

Container:

Any bag, barrel, bottle, box, can, cylinder, drum, reaction vessel, storage tank, tank truck, or the like that contains a hazardous substance.

Designated representative:

Any individual or organization to whom an employee gives written authorization to exercise such employee's rights under this section.

Distributor:

A business, other than a manufacturer or importer, which supplies hazardous substances to other distributors or to employers.

Emergency:

Any potential occurrence such as, but not limited to, equipment failure, rupture of containers, or failure of control equipment, which may or does result in a release of a hazardous substance into the workplace.

Employee:

Every person who is required or directed by any employer, to engage in any employment, or to go to work or be at any time in any place of employment.

Explosive:

A substance that causes a sudden, almost instantaneous release of pressure, gas, and heat when subjected to sudden shock, pressure, or high temperature.

Exposure or Exposed:

Any situation arising from work operation where an employee may ingest, inhale, absorb through the skin or eyes, or otherwise come into contact with a hazardous substance.

Flammable:

A substance that falls into one of the following categories:

(A) **Aerosol, flammable:**

An aerosol that, when tested by the method described in 16 CFR 1500.45, yields a flame projection exceeding 18 inches at full valve opening, or a flashback (a flame extending back to the valve) at any degree of valve opening;

(B) **Gas, flammable:**

1. A gas that, at ambient temperature and pressure, forms a flammable mixture with air at a concentration of thirteen (13) percent of volume or less; or

2. A gas that, at ambient temperature and pressure, forms a range of flammable mixtures with air wider than twelve (12) percent by volume, regardless of the lower limit;

(C) **Liquid, flammable:**

Any liquid having a flashpoint below 100'F (37.8'C), except any mixture having components with flashpoints of 100'F (37.8'C) or higher, the total of which make up 99 percent or more of the total volume of the mixture.

(D) **Solid, flammable:**

A solid, other than a blasting agent or explosive as defined in Section 5237 (a), that is liable to cause fire through friction, absorption of moisture, spontaneous chemical change, or retained heat from manufacturing or processing, or which can be ignited readily and when ignited burns so vigorously and persistently as to create a serious hazard. A chemical shall be considered to be a flammable solid if, when tested by the method described in 16 CFR 1500.44, it ignites and burns with a self-sustained flame at a rate greater than one-tenth of an inch per second along its major axis.

Flashpoint:

The minimum temperature at which a liquid gives off a vapor in sufficient concentration to ignite when tested as follows:

(A) Tagliabue Closed Tester (see American National Standard Method of Test for Flash Point by Tag Closed Tester, Z11.24-1979 (ASTMD 56-79) for liquids with a viscosity of less than 45 Saybolt Universal Seconds (SUS) at 100'F (37.8'C), that do not have a tendency to form a surface film under test;
or

(B) Pensky-Martens Closed Tester (see American National Standard Method of Test for Flash Point by Pensky-Martens Closed Tester, Z11.7-19979 (ASTMD 93-79) for liquids with a viscosity equal to or greater than 45 SUS at 100'F (37.8'C), or that have a tendency to form a surface film under test;
or

(C) Setaflash Closed Tester (see American National Standard Method of test for Flash Point by Setaflash Closed Tester (ASTMD 3278-78).

Organic peroxides, which undergo auto-accelerating thermal decomposition, are excluded from any of the flashpoint determination methods specified above.

GISO:

Abbreviation for General Industry Safety Orders, which include all of the generally applicable standards for workplace safety in Title 8, California Code of Regulations, Chapter 4, Subchapter 7, 3200 et seq.

Hazards:

As used in this guide, means any occupation-related physical injury or health risk produced by accident, trauma (instantaneous or continuous) and exposure to physical agents or chemicals.

Hazard warning:

Any words, pictures, symbols, or combination thereof appearing on a label or other appropriate form of warning which convey the health hazards and physical hazards of the substance(s) in the container(s).

Hazardous substance:

Any substance which is a physical hazard or a health hazard or is included in the List of Hazardous Substances prepared by the Director pursuant to Labor Code Section 6382.

Health hazard:

A substance for which there is statistically significant evidence based on at least one study conducted in accordance with established scientific principles that acute or chronic health effects may occur in exposed employees.

The term "health hazard" includes substances which are carcinogens, toxic or highly toxic agents, reproductive toxins, irritants, corrosives, sensitizers, hepatotoxins, nephrotoxins, neurotoxins, agents which act on the hematopoietic system, and agents which damage the lungs, skin, eyes, or mucous membranes. Appendix A provides further definitions and explanations of the scope of health hazards covered by this section, and Appendix B describes the criteria to be used to determine whether or not a substance is to be considered hazardous for purposes of this standard.

Identify:

Any chemical or common name which is indicated on the material safety date sheet (MSDS) for the substance. The identity used shall permit cross references to be made among the required list of hazardous substances, the label and the MSDS.

Injury and Illness Prevention Program, Injury Prevention Program, Accident Prevention Program:

Used synonymously in this guide to describe the program an employer must establish pursuant to SB 198. The preferred term given the name of the standard adopted to implement the statute is "Injury and Illness Prevention Program."

Immediate use:

The hazardous substance will be under the control of and used only by the person who transfers it from a labeled container and only within the work shift in which it is transferred.

Job Safety Class:

A group of employees with similar, if not identical, duties and occupational injury and illness potential. A job safety class may include employees facing lesser hazards than the class as a whole, but may not include employees with greater hazard potential than the class. Job class is a method of grouping employees into manageable-sized groups for hazard identification and safety program administration.

Label:

Any written, printed, or graphic material displayed on or affixed to containers of hazardous substances.

Manager:

A manager is a person having management authority in or as a business entity and significant responsibility for any aspect of a business which includes actual authority for the safety of a product or business practice or the conduct of research or testing related to a product or practice.

Manufacturer:

A person who produces, synthesizes, extracts, or otherwise makes a hazardous substance.

Material safety data sheet (MSDS):

Written or printed material concerning a hazardous substance which is prepared in accordance with Section 5194(g).

Mixture:

Any solution or intimate admixture of two or more substances, at least one of which is present as a hazardous substance, which no not react chemically with each other.

OSHA's Hazardous Material Emergency Response Training:

First Responder Awareness Level:

Trained to recognize & identify a release and to initiate response by notifying proper authorities.

First Responder Operations Level:

Responds to contain the release at a safe distance, keep it from spreading and prevent employee exposure.

Hazardous Materials Technician:

Responds to take an active role in emergency response, must take necessary action required to stop the release.

Hazardous Materials Specialist:

Supports technicians & acts as site liaison with regulation authorities.

On-Scene Incident Commander:

Assumes control of the incident.

Physical hazard:

A substance for which there is scientifically valid evidence that it is a combustible liquid, a compressed gas, explosive, flammable, an organic peroxide, an oxidizer, pyrophoric, unstable (reactive) or water-reactive.

Produce:

To manufacture, process, formulate, repackage, or relabel.

Product:

Is an article of trade or commerce or merchandize, including services.

Responsible party:

Someone who can provide additional information on the hazardous substance and appropriate emergency procedures, if necessary.

SB-198:

Senate Bill 198, Statutes of 1989, Chapter 1369; Labor Code 6401.7. will also be referred to as "the Statue"

Serious concealed danger:

Serious concealed danger means that the normal or reasonable foreseeable use of, or exposure of a person to, a product or business practice creates a substantial probability of death, great bodily harm or serious exposure to an individual and the danger is not readily apparent.

Serious exposure:

Serious exposure means any exposure to a hazardous substance when the exposure occurs as a result of an incident or exposure over time and to a degree or in an amount sufficient to create a substantial probability that death or great bodily harm in the future would result from the exposure.

Serious Violation:

Employer does not have a formal training program designed to instruct employees in general safe work practices and specific instructions with respect to hazards unique to the employees job assignment.

Standard:

Title 8, California Code of Regulations (CCR) General Industry Safety Orders, 3203; Construction Safety Orders 1509. Pertinent sections of the petroleum safety orders, ship. Building, ship repairing and ship breaking safety orders and tunnel safety orders refer to 3203 for specific requirements for injury and illness prevention programs. Except as expressly indicated to meet the requirements of any of these duplicative references as they relate to specific industries.

Substance:

Any element, chemical compound or mixture of elements and/or compounds.

Trade Secret:

Any confidential formula, pattern, process, device, information, or compilation of information which gives its user an opportunity to obtain a business advantage over competitors who do not know or use it. A trade secret shall not include chemical identity information which is readily discoverable through qualitative analysis. Appendix D set out the criteria to be used in evaluating trade secrets.

Unsafe act:

An unsafe act is a violation of an accepted safe procedure which could permit the occurrence of an accident.

Unsafe condition:

An unsafe condition is a hazardous physical condition or circumstance which could directly permit the occurrence of accident.

Unstable (reactive):

A substance which in the pure state, or as produced or transported, will vigorously polymerize, decompose, condense, or will become self-reactive under conditions of shocks, pressure or temperature.

Water-reactive:

A substance that reacts with water to release a gas that is either flammable or presents a health hazard.

What is an accident?

An accident is an undesired event that results in physical harm to a person or damage to property, and that could (or does) downgrade the efficiency of the business.

Willful Violation:

Employee is not trained or known to be qualified in the safe operation of equipment.

Work area:
A room or defined space in a workplace where hazardous substances are produced or used, and where employees are present.

Workplace:

Any place, and the premises appurtenant thereto, where employment is carried on, except a place the health and safety jurisdiction over which is vested by law in, and actively exercised by, any state or federal agency other than the Division.

CAL/OSHA DIRECTORY

DIVISION HEADQUARTERS: **Address** **Phone**

San Francisco.....395 Oyster Point Blvd.
3rd Floor, Wing C
South San Francisco, CA 94080

Chief.....(415) 737-2959
Deputy Chief, Health &
Technical Services.....(415) 737-2961
Deputy Chief, Field Operations.....(415) 737-2960
Assistance to Chief.....(415) 737-2960
Staff Services Manager.....(415) 737-2946
Administration.....(415) 737-2960
Information
- Public.....(415) 737-2818
- Management.....(415) 737-2849
Library.....(415) 737-2856
Film Library.....(415) 737-2926
Personnel.....(415) 737-2926
Research & Standards.....(415) 737-2932
Elevator Headquarters.....(415) 737-2970
Pressure Vessels Headquarters.....(415) 737-2952
Training Services.....(415) 737-2846

DISTRICT & FIELD OFFICES:

Anaheim.....2100 E Katella, Ste 140, 92806.....(714) 939-0145
Bakersfield....4800 Stockdale Hwy, Ste 212, 93309.....(805) 395-2718
Concord.....465 Enea Circle, Bldg. E, Ste 900, 94520..(415) 676-5333
Covina.....1123 S Parkview, Ste 100, 91724.....(818) 966-1166
Fresno.....2550 Mariposa St, Rm 4000, 93721.....(209) 445-5302
Long Beach.....401 E Ocean Blvd, Rm 400, 90802.....(213) 590-5035
Los Angeles....3550 W Sixth St, Rm 431, 90020.....(213) 736-3041
Oakland.....7700 Edgewater Dr, Ste 125, 94621.....(415) 568-8602
Modesto.....1209 Woodrow, Ste C-4, 95350.....(209) 576-6260
Redding.....381 Hemsted, 96002.....(916) 224-4743
Sacramento.....2424 Arden Way, Ste 330, 95825.....(916) 920-6123
- Medical.....(916) 920-6004
- Elevator/Pressure Vessel.....(916) 920-6361
San Bernardino.303 W Third St, Rm 640, 92401.....(714) 383-4321
San Diego.....7807 Convoy Ct, Ste 140, 92111.....(619) 237-7325
San Francisco..395 Oyster Point Blvd, 3rd Floor, Wing C
South San Francisco 94080-1913.....(415) 737-2959
- Elevators.....(415) 557-1130
San Jose.....100 Paseo de San Antonio,
Ste 101, 95113-1480.....(408) 277-1260
San Mateo.....1900 S Norfolk St, Ste 215, 94403.....(415) 573-3812
Santa Fe Springs..10350 Heritage Park Dr, Rm.201, 90670..(213) 944-7676
Santa Rosa.....50 D St, Ste 430, 95404.....(707) 576-2388
Stockton.....31 E Channel St, Rm 418, 95202.....(209) 948-7762

Van Nuys.....6150 Van Nuys Blvd, Ste 405,.....(818) 901-5403
- Elevators.....(818) 901-5411
Ventura.....1655 Mesa Verde, Rm 150, 93003.....(805) 654-4581

TECHNICAL SERVICES:

San Francisco.....395 Oyster Point Blvd, 3rd Floor, Wing C
South San Francisco 94080-1913.....(415) 737-2946

STANDARD BOARD:

Sacramento.....1006 4th St, 3rd Floor, 95814-3372.....(916) 322-3640

APPEALS BOARD:

Sacramento/....1006 4th St, 4rd Floor, 95814.....(916) 322-3640
Information - Members & Exective Officiers

CONSULTATION SERVICES:

San Francisco.....395 Oyster Point Blvd, 3rd Floor, Wing C
South San Francisco 94080-1913.....(415) 737-2843

CONSULTATION FIELD OFFICES:

Downey.....8535 E Florence Ave, Ste 200, 90240.....(213) 861-9993
- Calibration Lab
Fresno.....1901 N Gateway Blvd, Ste 102, 93727.....(209) 454-1295
Sacramento.....2424 Arden Way, Ste 90, 95825.....(916) 920-6131
San Diego.....7827 Convoy Ct, Ste 406, 92111.....(619) 279-3771
San Francisco Area Office/...3 Waters Park Dr, Ste 230
San Mateo San Mateo, 94403.....(415) 573-3862

MINING SAFETY TRAINING:

San Francisco/...395 Oyster Point Blvd, 3rd Floor, Wing C
Senior Safety South San Francisco 94080-1913.....(415) 737-2834
Engineer

JOB STATION
CODES OF SAFE PRACTICE
INSPECTION CHECKLIST AND CORRECTION FORM

Circle One: Scheduled/unscheduled Date of Inspection _____

Inspection Performed By: _____

INSTRUCTIONS: Checklist should be based on Code of Safe Practices for the area/job. If corrections are required, distribute copies of this form responsible person(s). Use Hazard Evaluation Employee/ Management Identification/Correction Form #116Q010B-4 to log for follow-up.

Inspection Description	*Frequency D	W	M	Q	Check OK (Initial)	Corrective Action Required
PRODUCTION LINE **Plating Dept.**						
Operators Instructed						
Floor Surfaces						
Parts Storage						
Proper Lifting						
Housekeeping						
MSDS Knowledge						
Eye Wash & Shower						
Tanks						
Oven						
Spills						
Use of Hand Tools						
Extension Cords						
Safety Equipment						
Equipment Guards						

*Frequency: D-Daily; W-Weekly; M-Monthly; Q-Quarterly

JOB STATION
CODES OF SAFE PRACTICE
INSPECTION CHECKLIST AND CORRECTION FORM

Inspection Description	*Frequency D	W	M	Q	Check OK (Initial)	Corrective Action Required
PRODUCTION LINE						
Grinding Dept.						
Operators Instructed						
Floor Surfaces						
Parts Storage						
Proper Lifting						
Housekeeping						
MSDS Knowledge						
Use of Hand Tools						
Extension Cords						
Safety Equipment						
Equipment Guards						
COMPANY VEHICLE						
Safety Devices Operating						
Loads Secured						
FORKLIFT						
Clean Condition						
Load Stability						
Safety Devices Operating						
Proper Storage of Materials						

*Frequency: D-Daily; W-Weekly; M-Monthly; Q-Quarterly

JOB STATION
CODES OF SAFE PRACTICE
INSPECTION CHECKLIST AND CORRECTION FORM

Inspection Description	*Frequency D	W	M	Q	Check OK (Initial)	Corrective Action Required
OFFICE						
Housekeeping						
Extension Cords						
Walkways Clear						
MAINTENANCE						
Housekeeping						
Proper Tools						
Lock-Out Procedure						

*Frequency: D-Daily; W-Weekly; M-Monthly; Q-Quarterly

Corrective action (specify in detail) _____

_____

_____

_____

Person(s) responsible for correction(s) _____

Copy Provided _____
(date/time)

Copy Reviewed by Program Administrator _____

Date Reviewed _____

GENERAL FACILITY INSPECTION CHECKLIST AND CORRECTION FORM

Date:_____ Inspection Performed By:_____

INSTRUCTIONS: Checklist should be based on General Plant Facility conditions. If corrections are required, distribute copies of this form to responsible person(s). Use Hazard Evaluation Employee/ Management Identification/Correction Form #116Q010B-4 to log for follow-up.

Safe Work Condition, Safe Work Practice, Personal Protective Equipment	Check OK (Initial)	Corrective Action or Actions Needed
ADMINISTRATIVE:		
CAL/OSHA Poster Conspicuously Displayed		
CAL/OSHA Record Keeping Requirements Met		
Workers Trained Prior to New/Unfamiliar Task		
SB-198 Postings, Suggestion Box & Forms		
MATERIAL HANDLING:		
Employee(s) Trained in Lifting Procedure		
Equip. Provided for Heavy/Awkward Loads		
Material Stored to Prevent Overreaching		
HOUSEKEEPING:		
Walkways Clear of Obstruction		
Employees Clean-Up As They Go		
FLOORS:		
Walking and Working Surface Kept Clear		
Spilled Materials Cleaned Up Immediately		
Holes in Floor Repaired or Covered		
MACHINERY AND EQUIPMENT:		
Moving Parts Guarded		
Kept in Safe Operating Condition		
Operated/Inspected per Manufacturer		
HAND TOOLS:		
Always Inspected Before Using		
Only Used For Intended Purpose		
Damaged Tools Repaired/Replaced Promptly		

GENERAL FACILITY INSPECTION CHECKLIST AND CORRECTION FORM

Safe Work Condition, Safe Work Practice, Personal Protective Equipment	Check OK (Initial)	Corrective Action or Actions Needed
STAIRS:		
Lighting Adequate		
Non-Slip Surface		
Handrails Secure		
LADDERS:		
Proper Type For Intended Use		
Maintained in Good Condition		
Proper Ladders Used Instead of Chairs Boxes, etc.		
FIRST AID:		
Fully Stocked First Aid Kit		
Emergency Telephone Number Posted		
EMERGENCY ACTION PLAN:		
Written Covers Fire and Other Emergency		
Communicated To All Employees		
Employees Designated and Trained Trained to Plan		
FIRE PROTECTION:		
Fire Fighting Equip. Serviced/Accessible		
Employees Instructed in Use of Fire Fighting Equip.		
Fire Drill Performed Every 6 Months		
EGRESS:		
Exits Clearly Marked		
Exits Accessible		
Exit Doors Unlocked		
ELECTRICAL:		
All Equipment Grounded/Double Insulated		
Extension Cords in Good Condition		

GENERAL FACILITY INSPECTION CHECKLIST AND CORRECTION FORM

Safe Work Condition, Safe Work Practice, Personal Protective Equipment	Check OK (Initial)	Corrective Action or Actions Needed
ELECTRICAL Con't		
Min. 30" Clearance Around Control Panel		
Proper Equipment in Use Where Needed		
Properly Maintained and Stored		
Employee's Trained in Proper Usage		
HEALTH HAZARDS:		
Hazard Communication Program in Place		
Hazardous Materials Stored/Used Properly		
Warning/Identification Signs Posted		

Corrective action (specify in detail) _____

_____

_____

Is tag-out/lockout required due to imminent hazard? _____

Person responsible for correction _____

Copy Provided _____
(date/time)

Copy Reviewed by management official _____

Date Reviewed _____

EMPLOYEE SAFETY SUGGESTION INFORMATION FORM

This form is for use by employees who wish to provide a safety suggestion or report an unsafe workplace condition or practice.

Description of Unsafe Condition or Practice _____

_____

_____

_____

Causes or Other Contributing Factors _____

_____

_____

_____

Employee's Suggestion for Improving Safety _____

_____

_____

_____

Has This Matter Been Reported to the Area Supervisor? Yes ___ No ___

Employee Name (Optional) _____

Department _____ Date _____

Employees be advised that use of this form or other reports of unsafe conditions or practices are protected by law. It would be illegal for the company to take any action against you in reprisal for exercising your rights to participate in communications involving safety.

The company will investigate any report or question as required by the Injury and Illness Prevention Program Standard (8 CCR 3203) and will advise you and the workers in the area of our response. If the request for information, suggestion, report of an unsafe workplace condition or practice is received anonymously, our response will be directed verbally to the affected area employee's and posted on the bulletin board.

For Office Use:
Instructions: Use Hazard Evaluation Employee/Management Identification/Correction Form #116Q010B-4 to log the above safety information/suggestion for follow-up.

ELECTRONIC CHROME
Employee Safety Suggestion Form

116Q010A-3 5/28/91
Ref. Pgs. 14,21,22

FORMA DE INFORMACION PARA SUGERENCIAS DE SEGURIDAD DE LOS EMPLEADOS

Esta forma es para usarse por los empleados que quieran proporcionar sugerencias de seguridad o reportar condiciones o practicas inseguras en su lugar de trabajo.

Descripcion de Practicas o Condiciones Inseguras _____

_____

_____

_____

Causas u otros factores contribuyentes _____

_____

_____

_____

Sugerencias del Empleado para mejorar la Seguridad _____

_____

_____

_____

Ha sido reportado este asunto al Supervisor de Area? Si ____ No ____

Nombre del Empleado (Opcional) _____

Departamento _____ Fecha _____

Empleados esten avisados de que el uso de esta forma u otros reportes de condiciones o practicas inseguras estan protegidos por la ley. Seria ilegal para la compania tomar cualquier accion en contra de ustedes en represalia por ejercitar sus derechos de participar en comunicaciones involucrando seguridad.

La Compania investigara cualquier reporte o preguntas como es requerido por el Programa de Prevencion de Lesiones y Enfermedades (8CCR 3203) y les avisara a usted y a los trabajadores de su area, de nuestra respuesta. Si su peticion de informacion, sugerencia, o reporte de practicas o de un lugar inseguro es recibido anonimamente, nuestra contestacion sera dirigida verbalmente a los empleados afectados de el area y puesta en el tablero de anuncios.

For Office Use:
Instructions: Use Hazard Evaluation Employee/Management Identification/Correction Form #116Q010B-4 to log the above safety information/suggestion for follow-up.

ELECTRONIC CHROME COMPANY, INC.

HAZARD EVALUATION EMPLOYEE/MANAGEMENT
IDENTIFICATION/CORRECTION FORM

116Q010B-4 9/18/91

General Work Area/Specific Job Safety Class _____ Date Prepared _____

Reporter (Optional)_____ Position (Optional)_____

Comments:_____

Employees Assigned to this Area
1._____ 7._____
2._____ 8._____
3._____ 9._____
4._____ 10._____
5._____ 11._____
6._____ 12._____

Description of Job Station	Potential Safety / Health Hazard	Correction / Preventative Action	Date to Complete	Date Completed

ACCIDENT, INJURY AND ILLNESS INVESTIGATION FORM

Employee _____

Person(s) Conducting Investigation and their Titles _____

Date of Accident/Injury/Illness _____

Name(s) of Affected Employee(s) _____

Work Area/Job Safety Class of Affected Employee(s) _____

Nature of Accident/Injury/Illness _____

Part(s) of Body Affected _____

What Workplace Condition, Work Practice or Protective Equipment Contributed to the Incident _____

Was a Code of Safe Practice Violated? ____ If So, Which One? _____

What Corrective Actions Will Prevent Another Occurrence? _____

Will an Additional Code of Safe Practice Be Needed? _____
If So, State It _____

Was the Unsafe Condition, Practice or Protective Equipment Problem Corrected Immediately? _____ If No, What Has Been Done to Assure Correction _____

Until Corrected, What Actions Have Been Taken to Prevent Recurrence in the Interim _____

Will the Inspection Checklist for the Area Require Modification to Prevent Recurrence? _____ If So, What Will Be Added? _____

_____

_____

_____

Signature of Investigator(s) _____ _____
Date

_____ _____

_____ _____

_____ _____

Person Responsible for Corrective Actions _____

Copy of This Report Received by Responsible Person _____
Date

Signature of Person Responsible for Correction _____

Management Approval _____

Management Comments _____

_____

_____

_____

_____

_____

_____

_____

_____

_____

Instructions: Use Hazard Evaluation Employee/Management Identification/Correction Form #116Q010B-4 to log the above safety information/suggestion for follow-up.

ACT OF GOD - EMERGENCY INSPECTION FORM

USE 9.3.1 PREVENTION OF RECURRENCE - INSPECTION FORM LOCATED IN THE CONTINGENCY PLAN FORMS SECTION.

ELECTRONIC CHROME
SAFETY TRAINING/MEETING DOCUMENTATION
EMPLOYEE SIGN-UP SHEET

Date: __/__/__ Time: ___:___ AM/PM to ___:___ AM/PM = _____ HRS

Chairperson _____ Date _____

Agenda/Safety Award(s): _____

Topics Discussed/Codes of Safe Practice: _____

_____

_____

_____

Training Aids Used _____

Work Location/Job Safety Class(es) Included _____

_____

Visitor Name and Title _____
Business Affiliation _____

Attendees (please print and sign your name legibly.) (Use additional sheets as necessary)

PRINT	SIGNATURE

ELECTRONIC CHROME
INDIVIDUAL EMPLOYEE TRAINING/AGREEMENT DOCUMENTATION
INITIAL TRAINING

Name of Trainer _____ Date _____

Training Subject _____

_____

Training Materials Used _____

_____

_____

Name of Employee _____

Date of Hire/Assignment _____

I, _____ hereby certify that I received training as described above in the following areas:

- The potential occupational hazards in general in the work area and associated with my job station.
- The Codes of Safe Practice which indicate the safe work conditions, safe work practices and personal protective equipment required for my work.
- The hazards of any chemicals to which I may be exposed and my right to information contained on Material Safety Data Sheets for those chemicals, and how to understand this information.
- My right to ask questions, or provide any information to the employer on safety either directly or anonymously without fear of reprisal.
- Disciplinary procedures the employer will use to enforce compliance with Codes of Safe Practice.

I understand this training and agree to comply with the Codes of Safe Practice for my Job Station and General Codes of Safe Practice for the entire facility. I also understand that a violation of these rules will result in a disciplinary action and I could be terminated from my job.

_____ _____
Employee Signature Date

_____ _____
Supervisor Signature Date

VEHICLE/TRUCK INSPECTION CHECKLIST

Inspection Description CHECK BEFORE DRIVING		*Frequency D	*Frequency W	Check OK (Initial)	Corrective Action Req'd
FLUIDS	- Fuel Level	X			
	- Brake		X		
	- Power Steering		X		
	- Windshield		X		
	- Transmission		X		
COOLING SYSTEM	- Coolant		X		
	- Radiator Leaks		X		
	- Reservoir		X		
	- Hoses		X		
	- Radiator Cap		X		
ENGINE LEAKS	- Light	X			
	- General	X			
	- Other	X			
TRANSMISSION LEAKS	- Light	X			
	- General	X			
FUEL LEAKS	- Hoses	X			
	- Pump	X			
	- Tank	X			
LIGHTS	- Head	X			
	- Tail	X			
	- Signals	X			
	- Back Up	X			
	- Parking	X			
	- Clearance	X			
	- Emergency Flash	X			

*D= Daily, W=Weekly

VEHICLE/TRUCK INSPECTION CHECKLIST

Inspection Description CHECK BEFORE DRIVING	*Frequency D	*Frequency W	Check OK (Initial)	Corrective Action Req'd
ENGINE OIL - Level		X		
- Filter		X		
TIRES - Front Rt. ___ Lt. ___	X			
- Rear Rt. ___ Lt. ___	X			
- Pressure		X		
MISC. - Air Filter		X		
- Belts (Engine)		X		
- Wiper Blades		X		
- Mirrors/Glass	X			
- Horn	X			
- Seat Belts	X			

*D= Daily, W=Weekly

ADDITIONAL COMMENTS: _____

SERVICE NEEDED: _____

116Q010A-0 9/18/91

NOTICE TO ALL EMPLOYEES

ELECTRONIC CHROME has compiled with Cal/OSHA General Industry Safety Order 3202 by establishing an Injury and Illness Prevention Program. A copy of the written program is available in the General Managers Office.

Employees have the following rights under this program:
- To be advised of occupational safety and health hazards and receive training on safe work conditions, practices and personal protective equipment.
- To provide information to the employer on safety hazards, request information or make safety suggestions without fear of reprisal.

Employees have a duty to comply with the following requirements to make the workplace safe for themselves and fellow employees:
- Know the Codes of Safe Practice for the general work area and for your job.
- Comply with working conditions, safe work practices and personal protective equipment requirements for your job.
- Report unsafe conditions and injuries/illnesses to your supervisor.

The company safety rule disciplinary action has been incorporated to ensure our employee's a safe workplace. The Codes of Safe Practice in this program have been established to help us achieve this goal. Your supervisors and fellow workers are watching out for your safety, therefore if it is brought to your attention that you are involved in a unsafe procedure or violation of a safety code, you will be asked to cooperate in correcting the practice immediately.

All job stations within our company have been assigned safety related codes and procedures. Serious violations of these codes could result in your dismissal from the job. Repeated violations will not be tolerated.

The company overall objective is not to terminate but to create a safe work environment. With this mind, the company has the discretion to use less severe forms of discipline in certain cases. These forms will be verbal and written warnings, probationary action and demotion. We will use the option to take one or more of these steps including termination depending upon the seriousness of the violation particularly whenever the violation could have resulted in an injury to a employee. We will enforce all Company Safety Codes. Absolutely no one is exempt from following safe work practices.

There will be immediate discharge for the following issues:
- Theft on duty.
- Flagrant insubordination.
- Gross misconduct making the employer/employee relationship impossible.

We will conduct inspections to identify unsafe conditions and violations of safety rules.

If you have any questions about this program, ask your supervisor or Program Administrator. Safety information may be confidentially reported using the safety suggestion box and the forms provided.

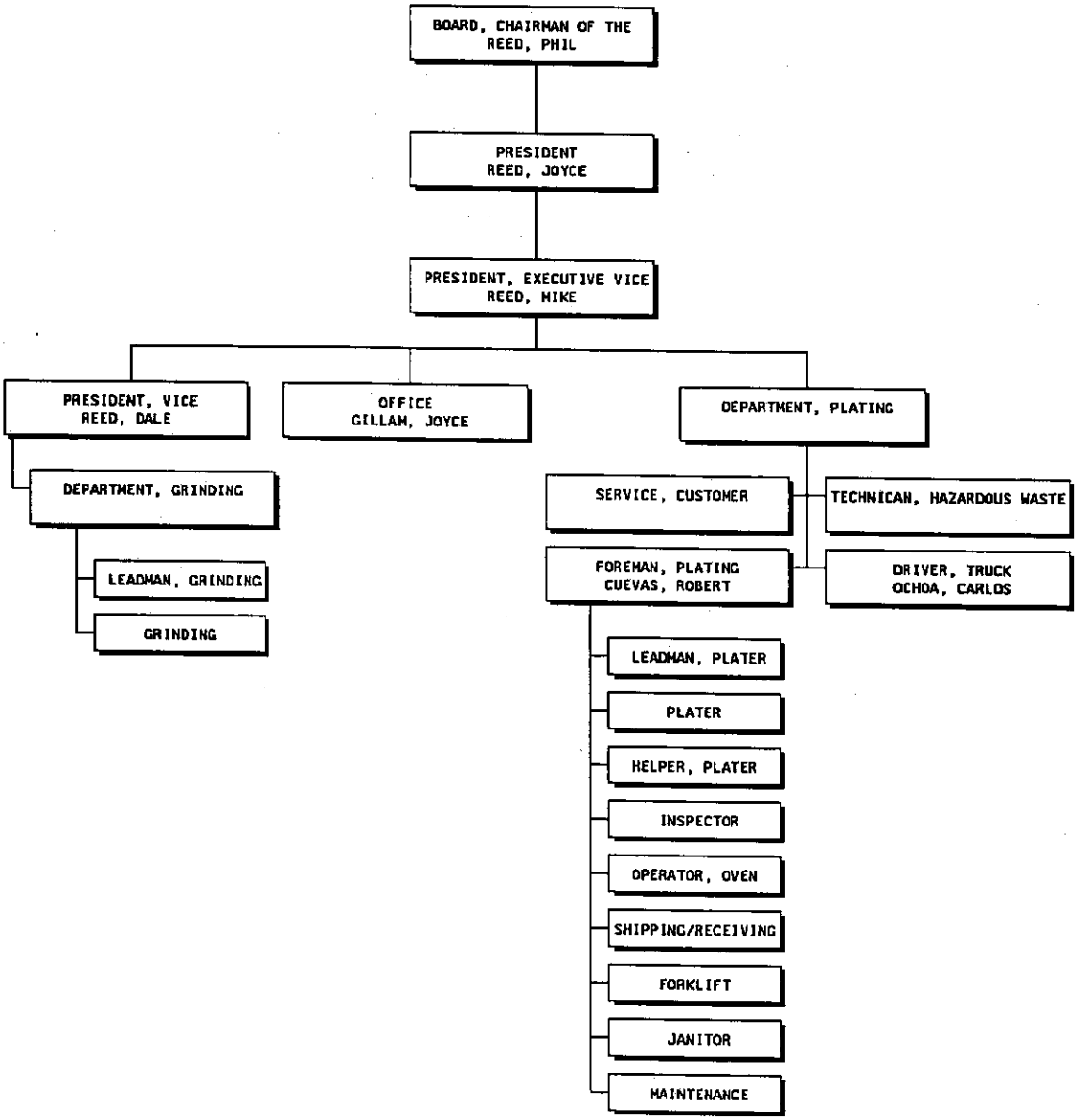
Signed Mike Reed Date 10-21-91
Mike Reed, Program Administrator

CODES OF SAFE PRACTICE - INDEX

- JOB STATION LAYOUT
- LISTING EMPLOYEE/TRAINED BY JOB STATION
- LISTING JOB STATION/TRAINED EMPLOYEE
- CODES OF SAFE PRACTICE
  - GENERAL TRAINING REQUIRED
    - TEN COMMANDMENTS OF SAFETY
    - FIRE PREVENTION
    - GENERAL
    - GOOD HOUSEKEEPING
    - LIFTING
  - SPECIFIC TRAINING REQUIRED
    - ELECTRICAL
    - FORKLIFT
      - ENGLISH
      - SPANISH
    - FUELING
    - HAND AND POWER TOOLS
    - LOCKOUT/BLOCKOUT
    - MAINTENANCE
    - MATERIAL HANDLING AND STORAGE
    - OFFICE
    - PLATING TANKS
    - VEHICLES
- CODES BY JOB STATION
  - CUSTOMER SERVICE
  - GRINDER
  - HAZARDOUS WASTE TECHNICIAN
    - CHROME PRECIPITATION AND EVAPORATION SYSTEM OPERATION AND MAINTENANCE MANUAL
  - INSPECTOR
  - JANITOR
  - MAINTENANCE
  - OFFICE
  - OVEN OPERATOR
  - PLATER
  - PLATER HELPER
  - SHIPPING/RECEIVING
  - TRUCK DRIVER

ELECTRONIC CHROME COMPANY

INJURY & ILLNESS PREVENTION PROGAM
JOB STATIONS



ELECTRONIC CHROME CO. - EMPLOYEE/JOB TRAINING - SEPTEMBER 18,1991 (ECSB198.REP)

EMPLOYEE NAME	JOBS TRAINED ON	DATE OF HIRE	LAST DATE TRAINED
BERRY, CLIFF	GRINDER	91-05-29	
CUEVAS, ROBERT	INSPECTOR	65-11-04	
	OVEN OPERATOR	65-11-04	
	PLATER	65-11-04	
	SHIPPING/RECEIVING	65-11-04	
GILLAM, JOYCE	OFFICE	70-02-03	
GONZALEZ, JORGE	PLATER HELPER	90-03-15	
GONZALEZ, JUAN	PLATER HELPER	91-01-14	
GONZALEZ, LUCIANO	HAZARDOUS WASTE TECH	85-02-20	
	MAINTENANCE	85-02-20	
	OVEN OPERATOR	85-02-20	
	PLATER LEADMAN	85-02-20	
HANSEN, LARRY	MAINTENANCE	91- -	
MARTINEZ, LEONEL	PLATER HELPER	89-10-14	
OCHOA, CARLOS	JANITOR	78-06-19	
	TRUCK DRIVER	78-06-19	
REED, DALE	GRINDER	74-07-01	
	INSPECTOR	74-07-01	
REED, JOYCE	OFFICE	78-03-27	
REED, MICHAEL	CUSTOMER SERVICE	65-04-01	
	HAZARDOUS WASTE TECH	65-04-01	
	INSPECTOR	65-04-01	
	MAINTENANCE	65-04-01	
	OFFICE	65-04-01	
	OVEN OPERATOR	65-04-01	

ELECTRONIC CHROME CO. - EMPLOYEE/JOB TRAINING - SEPTEMBER 18,1991 (ECSB198.REP)

EMPLOYEE NAME	JOBS TRAINED ON	DATE OF HIRE	LAST DATE TRAINED
	PLATER	65-04-01	
	SHIPPING/RECEIVING	65-04-01	
REED, PHILIP	OFFICE	65-04-01	
REED, RYAN	GRINDER	89-07-05	
ROBLES, MELICIO	PLATER	88-05-28	
ST. AMANT, ERIC	GRINDER LEADMAN	88-06-26	
	INSPECTOR	88-06-26	
	MAINTENANCE	88-06-26	
VALENZUELA, SERGIO	PLATER HELPER	91-03-18	
VARGAS, ALEJANDRO	PLATER HELPER	91-06-11	
VENTURA, MANUEL	GRINDER	79-12-26	

ELECTRONIC CHROME CO. - JOB STATION TRAINED EMPLOYEE LIST - SEPTEMBER 18, 1991 (EC2198.REP)

JOBS TRAINED ON	EMPLOYEE NAME	DATE OF HIRE	LAST DATE TRAINED
CUSTOMER SERVICE	REED, MICHAEL	65-04-01	
GRINDER	BERRY, CLIFF	91-05-29	
	REED, DALE	74-07-01	
	REED, RYAN	89-07-05	
	VENTURA, MANUEL	79-12-26	
GRINDER LEADMAN	ST. AMANT, ERIC	88-06-26	
HAZARDOUS WASTE TECH	GONZALEZ, LUCIANO	85-02-20	
	REED, MICHAEL	65-04-01	
INSPECTOR	CUEVAS, ROBERT	65-11-04	
	REED, DALE	74-07-01	
	REED, MICHAEL	65-04-01	
	ST. AMANT, ERIC	88-06-26	
JANITOR	OCHOA, CARLOS	78-06-19	
MAINTENANCE	GONZALEZ, LUCIANO	85-02-20	
	HANSEN, LARRY	91- -	
	REED, MICHAEL	65-04-01	
	ST. AMANT, ERIC	88-06-26	
OFFICE	GILLAM, JOYCE	70-02-03	
	REED, JOYCE	78-03-27	
	REED, MICHAEL	65-04-01	
	REED, PHILIP	65-04-01	
OVEN OPERATOR	CUEVAS, ROBERT	65-11-04	
	GONZALEZ, LUCIANO	85-02-20	
	REED, MICHAEL	65-04-01	
PLATER	CUEVAS, ROBERT	65-11-04	

ELECTRONIC CHROME CO. - JOB STATION TRAINED EMPLOYEE LIST - SEPTEMBER 18, 1991 (EC2198.REP)

JOBS TRAINED ON	EMPLOYEE NAME	DATE OF HIRE	LAST DATE TRAINED
	REED, MICHAEL	65-04-01	
	ROBLES, MELICIO	88-05-28	
PLATER HELPER	GONZALEZ, JORGE	90-03-15	
	GONZALEZ, JUAN	91-01-14	
	MARTINEZ, LEONEL	89-10-14	
	VALENZUELA, SERGIO	91-03-18	
	VARGAS, ALEJANDRO	91-06-11	
PLATER LEADMAN	GONZALEZ, LUCIANO	85-02-20	
SHIPPING/RECEIVING	CUEVAS, ROBERT	65-11-04	
	REED, MICHAEL	65-04-01	
TRUCK DRIVER	OCHOA, CARLOS	78-06-19	

TEN COMMANDMENTS OF SAFETY

Obey the Ten Commandments of Safety:

1. **LEARN** - the safe way to do your job - Before you start.
2. **THINK** - safety, and ACT safely at all times.
3. **OBEY** - safety rules and regulations - They are for your protection.
4. **WEAR** - proper clothing and protective equipment.
5. **CONDUCT** - yourself properly at all times - Horseplay is prohibited.
6. **OPERATE** - only the equipment you are authorized to use.
7. **INSPECT** - tools and equipment to be sure they are safe - Before you start work.
8. **ADVISE** - your supervisor promptly of any unsafe conditions or practices.
9. **REPORT** - any injury immediately to your supervisor.
10. **SUPPORT** - your safety program and - Take an active part in safety activities.

CODES OF SAFE PRACTICE

GENERAL

These rules are posted permanently in the plant for all employees to see as required by law.

1. Report all injuries promptly. All employees must notify their supervisor immediately of any injury or occupational disease regardless of its nature or extent.

2. All unsafe conditions, new hazards or practices shall be reported to management immediately.

3. All emergency equipment such as fire extinguishers, fire alarms, exit doors and other fire fighting equipment must be kept clear of obstacles.

4. Horseplay, scuffling, and other acts which tend to have an adverse influence on the safety or well-being of the workers are prohibited.

5. Tools, machinery and equipment shall be operated only by employees who fully understand their use, and have been trained and authorized to do so.

6. Defective tools and equipment shall not be put into service and shall be reported to management. Unsafe tools and equipment shall be taken out of service and properly tagged.

7. Smoking is not permitted in a posted "NO SMOKING" area, nor in any other area where flammables are being used or handled.

8. The possession or use of alcoholic beverages or narcotics on company premises is prohibited. Because of the possible serious accidents that could occur, any employee believed to be under the influence of alcohol or narcotics will be immediately taken off the job, sent home and further disciplined.

9. All employees shall wear protective clothing and equipment as required by management and your supervisor.

10. Protect your feet by keeping shoes, especially soles, in good repair.

11. Approved hearing protection shall be worn as directed by management or where noise warning signs are posted.

12. Personal protective equipment shall always be used when handling chemicals and the Material Safety Data Sheets (MSDS) is available for pertinent information concerning the chemical being used.

13. Loose clothing, wrist watches, rings and other jewelry should not be worn while working with or around machinery with moving parts in which such objects maybe caught, or around electrically energized equipment (§3386).

CODES OF SAFE PRACTICE - Continued
GENERAL

14. Long hair (hair extending to the shoulder and longer) and facial hair shall be contained when necessary to guard against fire hazards and rotating machinery hazards.

15. All posted signs and warning tags shall be obeyed. They are posted to point out hazards.

16. Only qualified and authorized personnel are permitted to repair machinery and equipment.

17. Temporary electric cords must be covered or elevated. They must be kept clear of walk-ways and other locations where they may be exposed to damage or create tripping hazards.

18. Control and fuse panels shall be kept closed at all times and kept free of clothing, rags, drums, etc.

19. At no time shall compressed air be directed toward an employee. Compressed air shall not be used to clean clothing being worn.

20. Do not lift bulky or heavy materials by yourself. Get someone to help.

21. When lifting, set your feet solidly, somewhat apart. Sometimes it is best to get down on one knee. Keep your back straight, lift and lower with your knees.

22. Do not tie down, block out, or remove guards or other safety devices.

23. Employees shall know the location of the fire protection equipment in their work area and know what to do in case of an emergency.

24. Moving machine parts shall be adequately guarded. Employees shall immediately report any guard which is missing or damaged.

25. Guards shall be kept in place on tools and equipment. Machine guards and safety appliances shall not be removed or made inoperative, except for the purpose of making repairs.

26. Employees shall wash their hands before eating.

CODES OF SAFE PRACTICE

GOOD HOUSEKEEPING

Employees shall maintain a clean work area. Good housekeeping means taking an orderly and well-planned approach to every job. When everything is in order; tools properly stacked and arranged, etc., most of the hazards will have been removed. When assigned a project, plan ahead. Set things up and think how the area must be arranged to prevent trips, slips, falls, objects falling, your hands getting caught in pinch points, awkward lifting positions, and inspect all materials you will be working with to insure they are free from defects. Housekeeping is the first rule of safety. Clear aisles make for easier walking, carrying, forklift operation and electric cart operation.

1. Keep your work area clean and orderly.

2. Keep work surfaces dry and slip free.

3. Clean up all spilled materials or liquids immediately.

4. Make sure that scrap, debris and waste is removed from your area and stored properly.

5. Routinely remove dust from the surfaces of all overhead structures.

6. Take care that dust does not accumulate around electrical enclosures or equipment.

7. Covered metal waste cans for oily and paint soaked waste must be used.

8. Maintain regularly cleaned paint spray booths and dip tanks.

9. Make sure all work areas have proper lighting and light fixtures.

10. Properly cover or guard any holes or pits in floors.

11. Oily rags, trash, and other combustible scrap materials shall be placed in their proper receptacles by the end of the shift.

CODES OF SAFE PRACTICE
LIFTING

If your job station requires lifting the following information should be read and understood before starting work.

1. PLAN YOUR WORK.
2. Know how your material comes into your area; what direction, how fast, how much.
3. Know how much time you have to get material out of your area. Know what is required of you.
4. Do you have any mechanical aids available to assist your lifting?
5. What condition are the floors where lifting will take place? (Smooth/Level)
6. If floors are not smooth, know where you are stepping before lifting.
7. What are the space requirements when lifting? Avoid lifting in small cramped areas unless help is provided.
8. When lifting do not stoop, stretch or twist. If this motion is required stop and get help.
9. When lifting make sure you have control of what you are lifting or get help. If you feel you do not have control, do not lift the item.
10. When required to lift outdoors or on wet floors wear the proper foot protection to eliminate slips and be extra careful.
11. Working in areas with improper lighting can be dangerous. When lifting be careful. If you feel this to be unsafe do not lift.
12. Communicate with your supervisor about your work area and lifting.

Lifting Techniques

1. Look at what you are going to lift, can you lift this by yourself?
2. Stand close to what you are going to lift.
3. Spread your feet slightly before lifting.
4. Bend your knees and keep your back straight.
5. Grip the object securely.
6. Think about balance.
7. Take a deep breath.
8. Tighten stomach muscles.

CODES OF SAFE PRACTICE- CONTINUED
LIFTING

9. Use your legs--not your back.

10. Lift object, keep close to body, and move in the direction of the lift.

11. Wear gloves and watch your fingers.

CODES OF SAFE PRACTICE

FIRE PREVENTION

1. Smoking is prohibited while using, dispensing or being around flammable or combustible liquids, or as otherwise posted.

2. Flammable and combustible liquids shall be used and stored away from ignition sources.

3. Flammable and combustible liquids shall be dispensed from approved safety cans and stored in approved safety cabinets or flammable liquid storage area.

4. Unobstructed access to fire extinguishers and other fire fighting equipment shall be maintained.

5. Fire protection equipment once used shall be reported to your supervisor who will promptly have it recharged and/or replaced.

6. All fire doors and shutters must be kept in good operating condition.

7. All fire doors and shutters shall be kept unobstructed and protected against obstructions, including counterweights.

8. Fire door and shutter fusible links must be kept in place.

9. Proper clearance must be maintained below sprinkler heads.

10. All fire extinguishers will be mounted in readily accessible locations and red signs posted to easily identify there location.

PORTABLE FIRE EXTINGUISHERS- §6151

11. Fire extinguishers shall be mounted, located and identified so they are readily accessible to employees without subjecting the employees to possible injury.

12. Fire extinguishers using carbon tetrachloride or chlorobromomethane extinguishing agents are not to be used.

13. Fire extinguishers are to be maintained in a fully charged and operable condition.

14. Fire extinguishers are to be kept in their designated place at all times except during use.

15. Fire extinguishers should be selected and distributed based on the classes of anticipated workplace fires and on the size and degree of hazard which would affect their use.
    Class A Fire- Ordinary combustible material; wood, paper, cloth
    Class B Fire- Combustible liquid, gases, and grease.

Class C Fire- Electrical
Class D Fire- Combustible Metals

16. Distance for employees to travel to a fire extinguisher for a Class A Fire not greater than 75 feet.

17. Distance for employees to travel to a fire extinguisher for a Class B Fire not greater than 50 feet.

18. Distance for employees to travel to a fire extinguisher for a Class C Fire depends on Class A or Class B patterns of hazards.

19. Distance for employees to travel to a fire extinguisher for a Class D Fire not greater than 75 feet.

20. Combustible metal working areas require Class D fire extinguishers.

21. Fire extinguishers must be visually checked monthly.

22. Fire extinguishers must be maintenance checked, recharged, and certified annually.

23. The annual maintenance date should be recorded and kept for (1) year.

24. Alternate equivalent protection shall be provided when fire extinguishers are removed from service for maintenance.

25. Before using a fire extinguisher on a flame look at the fire class markings and be sure you have the proper extinguisher for the proper fire.

    A- Wood, Paper, Cloth
    B- Liquid, Gas
    C- Electrical
    D- Combustible Metal

CODES OF SAFE PRACTICE

ELECTRICAL

1. All employees working with electricity shall be familiar with Cal/OSHA Electrical Safety Orders.

2. All contracted electrical work being performed will be certified as compliant with Cal/OSHA.

3. All employees must report immediately any obvious hazard to life or property observed in connection with electrical equipment or lines.

4. The use of multiple plug adaptors is prohibited.

5. All exposed wiring and cords with frayed or deteriorated insulation shall be reported and not used until replaced or repaired.

6. The use of a metal ladder when working on electricity is prohibited.

7. The electrical "lockout" procedure shall be followed. No maintenance or repair shall be attempted until the lockout is in place to prevent start up, movement or electrical shock. (See Accident Prevention Tags - §2320.6 shown below)

8. No one will remove lockout tags, locks or multiple locking bars other than those who attach them. Locks shall not be cut off any lockout. (See Energizing (or Re-Energizing) Equipment or Systems - §2320.5 shown below)

WORK PROCEDURES

General - §2320.1

9. Only qualified persons shall work on electrical equipment or systems.

10. Only qualified persons shall be permitted to perform any function in proximity to energized overhead conductors unless accidental contact has been suitably guarded against.

Energized Equipment or Systems - §2320.2

11. Work shall not be performed on exposed energized parts of equipment or systems until the following conditions are met:

    (a) Responsible supervision has determined that the work is to be performed while equipment or systems are energized.
    (b) Involved personnel have received instructions on the work techniques and hazards involved in working on energized equipment.
    (c) Suitable personal protective equipment has been provided and is used. Suitable insulated gloved shall be worn for voltages in excess of 300 volts, nominal.

(d) Suitable eye protection has been provided and is used.
(e) Where required, suitable barriers, barricades, tags, or signs are in place for personnel protection.

12. After the required work on an energized system or equipment has been completed, an authorized person shall be responsible for:

(a) Removing from the work area any temporary personnel protective equipment, and
(b) Reinstalling all permanent barriers or covers.

Tests - §2320.3

13. All electrical equipment and systems shall be treated as energized as required by Section 2320.2 until tested or otherwise proven to be de-energized.

De-Energized Equipment or Systems - §2320.4

14. An authorized person shall be responsible for the following before working on de-energized electrical equipment or systems unless the equipment is physically removed from the wiring system:

(a) Notify all involved personnel.
(b) Locking the disconnecting means in the "open" position with the use of lockable devices, such as padlocks, combination locks or disconnecting of the conductor(s) or other positive methods or procedures which will effectively prevent unexpected or inadvertent energizing of a designated circuit, equipment or appliance.

Exception: Locking is not required under the following conditions:
1. Where suitable tagging procedures are used, and
2. Where the disconnecting means is accessible only to personnel instructed in these tagging procedures.

(a) Tagging the disconnecting means with suitable accident prevention tags conforming to the provisions of Section 2320.6.
(b) Effectively blocking the operation or dissipating the energy of all stored energy devices which present a hazard, such as capacitors or pneumatic, spring-loaded and like mechanisms.

Energizing (or Re-Energizing) Equipment or Systems - §2320.5

15. An authorized person shall be responsible for the following before energizing equipment or systems which have been de-energized:

(a) Determining that all persons are clear from hazards which might result from the equipment or systems being energized.
(b) Removing locking devices and tags.

(A) Locking devices and tags may be removed only by the employee who placed them (unless the employee has left the premises or is unavailable). Locking devices and tags shall be removed upon completion of the work and after the installation of the protective guards and/or safety interlock systems.

Accident Prevention Tags - §2320.6

16. Suitable accident prevention tags shall be used to control a specific hazard. Such tags shall provide the following minimum information:

    (a) Reason for placing tag.
    (b) Name of person placing the tag and how that person may be contacted.
    (c) Date tag was placed.

Safety Precautions - §2320.7

17. Suitable temporary barriers, or barricades, shall be installed when access to opened enclosures containing exposed energized electrical equipment is not under the control of an authorized person.

18. Conductive measuring tapes, ropes or similar measuring devices shall not be used when working on or near exposed energized conductors or parts or equipment.

19. Conductive fish tapes shall not be used in raceways entering enclosures containing exposed energized parts unless parts are isolated by suitable barriers.

20. Prior to climbing poles or other elevated structures supporting overhead electrical lines or equipment, an inspection shall be made to assure that such poles or structures are in safe condition for the work to be performed. Where poles or structures are determined to be unsafe for climbing, they shall not be climbed until made safe by guying, bracing or other adequate means.

REQUIREMENTS FOR ELECTRICAL INSTALLATIONS - GENERAL

Maintenance - §2340.1

21. Electrical equipment shall be maintained free from recognized hazards that are likely to cause death or serious physical harm to employees.

Mounting and Cooling of Equipment - §2340.13

22. Mounting. Electric equipment shall be firmly secured to the surface on which it is mounted.

23. Cooling. Electrical equipment provided with ventilating openings shall be maintained so that free circulation of air through the equipment is not obstructed.

Guarding of Energized Parts - §2340.17

24. Except as elsewhere required or permitted by these orders, energized parts of electric equipment operating at 50 volts or more shall be guarded against accidental contact by approved cabinets or other forms of approved enclosures or by any of the following means:

    (a) By location in a room, vault, or similar enclosure that is accessible only to qualified persons.
    (b) By suitable permanent, substantial partitions or screen so arranged that only qualified persons will have access to the space within reach of the energized parts. Any openings in such partitions or screens shall be so sized and located that persons are not likely to come into accidental contact with the energized parts or to bring conducting objects into contact with them.
    (c) By location on a suitable balcony, gallery, or platform so elevate and arranged as to exclude unqualified persons.

25. Entrances to rooms and other guarded locations containing exposed energized parts shall be marked with conspicuous warning signs forbidding unqualified persons to enter.

Arcing Parts - §2340.18

26. Parts of electric equipment which in ordinary operation produce arcs, sparks, flames, or molten metal shall be enclosed or separated and isolated from all combustible material.

Marking - §2340.21

27. On all electrical equipment, markings shall be provided giving voltage, current, wattage, or other ratings. The marking shall be sufficient durability to withstand the environment involved.

Discontinued Circuits - §2340.24

28. When a circuit is abandoned or discontinued, its conductors shall be removed from the raceways, or be maintained as if in use.

Location of Control and Protective Devices - §2340.27

29. All switches, circuit breakers, fuses and other control and protective devices shall be located or arranged that they may be safely operated, removed or repaired.

Grounding

30. All electrical tools and equipment and appliances must be grounded. The long pin on the plug of a three-way cord is the grounding pin. Never cut one off to make the plug fit an ungrounded two-way receptacle! Double insulated tools do not have a grounding pin and are safe to use. The ground protects the user against electrical shock if trouble should develop in the tool and cause current to short circuit. If the connection is not grounded, the current would pass to ground through your body. Use a properly connected adaptor plug for two-way receptacles.

31. On each temporary 15 or 20 ampere or 120 volt AC circuit at locations where construction or demolition is being performed a ground fault circuit interrupter must be installed.

32. All extension cords in use shall be grounded.

Switches - §2480.1

33. Manually operated switches shall be of an approved externally operable type enclosed in boxes or cabinets, except where other types are specifically permitted by these orders. Switches are not required to be of the externally operable type when operating at 50 volts or less; as for example, in some electric furnace and electrolytic installations. In such cases the switches shall be protected by suitable guards or enclosures if they are exposed to danger of short circuiting or accidental contact.

Flexible Cords and Cables - Permitted - §2500.7

34. Flexible cords and cables shall be used only for pendants, wiring of fixtures, connection of portable lamps or appliances, elevator cables, wiring of cranes and hoists, connection of stationary equipment to facilitate their frequent interchange, prevention of the transmission of noise or vibration, fixed or stationary appliances where the fastening means and mechanical connections are designed to permit removal for maintenance and repair, or data processing cables.

Flexible Cords and Cables - Not Permitted - §2500.8

35. Flexible cords and cables, shall not be used as a substitute for the fixed wiring of a structure; where run through holes in walls, ceiling, or floors; where run through doorways, windows or similar openings; where attached to building surfaces; or where concealed behind building walls, ceilings, or floors.

Splices - §2500.9

36. Flexible cords shall be used only in continuous lengths without splice or tap. Hard service flexible cords No. 12 or larger shall

be permitted to be repaired if spliced so that the splice retains the insulation, outer sheath properties, and usage characteristics of the cord being spliced.

Fixture Wires - §2505.1

37. Fixture wires shall be permitted for installation in lighting fixtures and in similar equipment where enclosed or protected and not subject to bending or twisting in use; or for connecting lighting fixtures to the branch-circuit conductors supplying the fixtures.

38. Fixture wires shall not be used as branch-circuit conductors. §2505.11

Appliances

39. Appliances shall have no energized parts normally exposed to contact. Exception: Toasters, grills, or other appliances in which the current-carrying parts at high temperatures are necessarily exposed. (§2522.2)

40. Each electrically heated appliance that is intended by size, weight, and service to be located in a fixed position shall be so places as to provide ample protection between the appliance and adjacent combustible material. (§2522.10)

CODES OF SAFE PRACTICE

Forklift, Industrial Truck and Tow Tractor

A copy of the following operating rules were taken from the General Industry Safety Orders §3664. These rules are posted permanently in the plant for all employees to see as required by law.

These rules are reviewed with all forklift operators annually by law.

Your supervisor will train you in the operating rules after you have had a chance to read the rules. The training will cover all rules with special emphasis on how the rules apply to your specific job function. You will be not only encouraged but required to ask questions and make comments to be certain of your clear understanding. Operating Rules:

1. Only drivers authorized by the employer and trained in safe operations of forklifts, industrial trucks or tow tractors shall be permitted to operate such vehicles. Methods shall be devised to train operators in safe operation of powered industrial trucks.

2. Stunt driving and horseplay are prohibited.

3. No riders shall be permitted on vehicles unless provided with adequate riding facilities.

4. Employees shall not ride on the forks of lift trucks.

5. Employees shall not place any part of their bodies outside the running lines of an industrial truck or between mast uprights or other parts of the truck where shear or crushing hazards exist.

6. Employees shall not be allowed to stand, pass, or work under the elevated portion of any industrial truck, loaded or empty, unless it is effectively blocked to prevent it from falling.

7. Drivers shall check the vehicle at least once per shift, and if it is found to be unsafe, the matter shall be reported immediately to a foreman or mechanic, and the vehicle shall not be put in service again until it has been made safe. Attention shall be given to the proper functioning of tires, horn, lights, battery, controller, brakes, steering mechanism, and the lift system of fork lifts (forks, chains, cable, and limit switches).

8. No truck shall be operated with a leak in the fuel system.

9. Vehicles shall not exceed the authorized or safe speed, always maintaining a safe distance from other vehicles, keeping the truck under positive control at all times, and all established traffic regulations shall be observed. For trucks traveling in the same direction, a safe distance may be considered to be approximately 3 truck lengths or preferably a time lapse--3 seconds--passing the same point.

10. Other trucks traveling in the same direction shall not be passed at intersections, blind spots, or dangerous locations.

11. The driver shall slow down and sound the horn at cross aisles and other locations where vision is obstructed. If the load being carried obstructs forward view, the driver shall be required to travel with the load trailing.

12. Operators shall look in the direction of travel and shall not move a vehicle until certain that all persons are in the clear.

13. Trucks shall not be driven up to anyone standing in front of a bench or other fixed object of such size that the person could be caught between the truck and object.

14. Grades shall be ascended or descended slowly.

    (A) When ascending or descending grades in excess of 10 percent, loaded trucks shall be driven with the load upgrade.

    (B) On all grades the load and load engaging means shall be tilted back if applicable, and raised only as far as necessary to clear the road surface.

    (C) Motorized hand and hand/rider trucks shall be operated on all 'grades with the load engaging means downgrade.

15. The forks shall always be carried as low as possible, consistent with safe operations.

16. When leaving a vehicle unattended, either:

    (A) The power shall be shut off, brakes set, the mast brought to the vertical position, forks are left in the down position. When left on an incline, the wheels shall be blocked; or

    (B) The power may remain on provided the brakes are set, the mast is brought to; the vertical position, forks are left in the down position, and the wheels shall be blocked, front and rear.

17. When the operator of an industrial truck is dismounted and within 25 feet of the truck still in view, the load engaging means shall be fully lowered, controls neutralized, and the brakes set to prevent movement.

18. Vehicles shall not be run onto any elevator unless the driver is specifically authorized to do so. Before entering an elevator, the driver shall make sure that the capacity of the elevator will not be exceeded. Once on an elevator, the power shall be shut off and the brakes set.

19. Motorized hand trucks shall enter elevator or other confined areas with the load end forward.

20. Vehicles shall not be operated on floors, sidewalk doors, or platforms that will not safely support the loaded vehicle.

21. Prior to driving onto trucks, trailers and railroad cars, their flooring shall be checked for breaks and other structural weaknesses.

22. Vehicles shall not be driven in and out of highway trucks and trailers at unloading docks until such trucks are securely blocked and brakes set.

23. To prevent railroad cars from moving during loading or unloading operations, the car brakes shall be set, wheel chocks or other recognized positive stops used, and blue flags or lights displayed in accordance with applicable regulations promulgated by the Public Utilities Commission.

24. The width of one tire on the powered industrial truck shall be the minimum distance maintained from the edge by the truck while it is on any elevated dock, platform, freight car or truck.

25. Railroad tracks shall be crossed diagonally, wherever possible. Parking closer than 8 1/2 feet from the centerline of railroad tracks is prohibited.

26. Trucks shall not be loaded in excess of their rated capacity.

27. A loaded vehicle shall not be moved until the load is safe and secure.

28. Extreme care shall be taken when tilting loads. Tilting forward with the load engaging means elevated shall be prohibited except when picking up a load. Elevated loads shall not be tilted forward except when the load is being deposited onto a storage rack or equivalent. When stacking or tiering, backward tilt shall be limited to that necessary to stabilize the load.

29. The load engaging device shall be placed in such a manner that the load will be securely held or supported.

30. Special precautions shall be taken in the securing and handling of loads by trucks equipped with attachments, and during the operation of these trucks after the loads have been removed.

31. When powered industrial trucks are used to open and close doors, the following provisions shall be complied with:

    (A) A device specifically designed for opening or closing doors shall be attached to the truck.

    (B) The force applied by the device to the door shall be applied parallel to the direction of travel of the door.

    (C) The entire door opening operation shall be in full view of the operator.

    (D) The truck operator and other employees shall be clear of the area where the door might fall while being opened.

32. If loads are lifted by two or more trucks working in unison, the total weight of the load shall not exceed the combined rated lifting capacity of all trucks involved.

(b) Every employee who operates an agricultural or industrial tractor shall be informed of the operating instructions and of any other practices dictated by the work environment. Such information shall be provided at the time of initial assignment and at least annually thereafter. Copies of these instructions, printed in a language understood by the majority of the employees, shall be conspicuously posted at a place frequented by the drivers.

EMPLOYEE OPERATING INSTRUCTIONS

1. Securely fasten your seat belt if the tractor has a ROPS.

2. Where possible, avoid operating the tractor near ditches, embankments, and holes.

3. Reduce speed when truning, crossing slopes, and on rough, slick, or muddy surfaces.

4. Stay off slopes too steep for safe operation.

5. Watch where you are going, especially at row ends, on roads, and around trees.

6. Do not permit others to ride.

7. Operate the tractor smoothly--no jerky turns, starts, or stops.

8. Hitch only to the drawbar and hitch points recommended by tractor manufacturers.

9. When tractor is stopped, set brakes securely and use park lock if available.

(c) Every employee who operates an agricultural or industrial tractor shall be required to check the tractor prior to operation each day and if it is unsafe report the matter immediately to a foreman or mechanic and shall not use the tractor again until it has been made safe.

(d) Employees shall be prohibited from stunt driving or horseplay while operating an agricultural or industrial tractor.

(e) No repairs shall be performed on any agricultural or industrial trucks or tractors until arrangements have been made to reduce the probability of injury to repairmen or others caused by sudden movement or operation of such equipment or its parts.

CODIGOS DE PRACTICAS DE SEGURIDAD

MONTACARGA, CAMION INDUSTRIAL Y TRACTOR REMOLCADOR (Forklift)

Una copia de las siguientes reglas de operacion fueron tomadas de las Ordene de Seguridad de la Industria General §3664. Estas reglas estan puestas permanentemente en la planta para que todos los empleados las vean como es requerido por la ley.

Estas reglas seran revisadas anualmente por ley, con todos los operadores de montacargas.

Su supervisor lo entrenara a usted en las reglas de operacion despues de que usted haya tenido una oportunidad de leerlas. El entrenamiento cubrira todas las reglas con enfasis especial en como aplicarlas a su funcion de trabajo especifico. No unicamente se le estimulara, sino se le requerira a que haga preguntas y comentarios, para estar seguros de su claro entendimiento.

Reglas de Operacion:

1. Unicamente los choferes autorizados por el empleador y entrenados en la segura operacion de montacargas, camiones industriales o tractores remolcadores, seran permitidos a operar tales vehiculos. Se planificaran metodos para entrenar a operadores en la segura operacion de camiones industriales de fuerza.

2. Esta prohibido hacer piruetas y jugarretas al manejar.

3. No se permite llevar pasajeros en los vehiculos a menos que estos esten provistos adecuadamente.

4. Los empleados no viajaran en los cuernos de los montacargas.

5. Los empleados no pondran ninguna parte de sus cuerpos afuera de las lineas del chasis de los camiones industriales o en medio de los mastiles u otras partes del camion donde puedan cortarse o peligros de aplastaduras.

6. No se les permitira a los empleados a pararse, pasar o trabajar debajo de porciones elevadas de cualquier camion industrial, cargado o vacio, a menos de que este efectivamente bloqueado para prevenir que se caiga.

7. Los choferes deberan de chequear el vehiculo una vez por turno, y si lo encuentran insequro, el asunto debe de ser reportado inmediatamente al mayordomo o al mecanico, y el vehiculo no sera puesto en servicio, hasta que haya sido reparado y este seguro. Se le dara atencion al correcto funcionamiento de las llantas, corneta, luces, bateria, controlador, frenos, mecanismo de manejo y el sistema de elevacion de los montacargas (cuernos, cadenas, cables y conmutadores de limites).

CODIGOS DE PRACTICAS DE SEGURIDAD -
Montacarga, Camion Industrial y Tractor Remolcador (Forklift)

8. Ningun camion sera operado cuando tenga fuga en la linea de combustible.

9. Los vehiculos no excederan la velocidad segura autorizada, manteniendo siempre una distancia segura de otros vehiculos, manteniendo el camion bajo control positivo en todo los tiempos, y todas las reglas de trafico deberan de ser observadas. Para camiones viajando en la misma direccion, una distancia segura podria ser considerada de aproximadamente tres tantos de lo largo o preferiblemente un lapso de tiempo --3 segundos-- pasando el mismo punto.

10. Otros camiones viajando en la misma direccion no deberan de ser rebasados en intersecciones, lugares obstruidos o lugares peligrosos.

11. El chofer debera de disminuir la velocidad y sonar la bocina cuando cruce callejones y otros lugares donde la vision este obstruida. Si la carga que lleva le obstruye la vision hacia enfrente, el chofer sera requerido a que la lleve hacia atras.

12. Los operadores deberan de mirar en la direccion de viaje y no moveran un vehiculo hasta que esten ciertos de que todas las personas estan en lo claro.

13. Los vehiculos no deberan ser manejados enfrente de alguien parado en frente de un banco u otro objeto fijo de manera que pueda ser prensado entre el vehiculo y el objeto.

14. Ascienda o descienda lentamente los lugares inclinados.

    (A) Cuando se ascienda o descienda lugares en exceso de 10 por ciento, de inclinacion, los vehiculos seran manejados con la carga hacia el grado de arriba.

    (B) En todos los grados la carga y los medios de enganche deberan ser inclinados hacia atras, si es aplicable, y levantada unicamente lo necesario para librar la superficie.

    (C) Vehiculos motorizados manuales y vehiculos manuales de pasajeros, deberan ser operados en todos los grados con los medios de enganche de la carga hacia el grado bajo.

15. Los cuernos deberan de ser llevados lo mas bajo posibles, consistente con una operacion segura.

16. Cuando dejen un vehiculo sin atender, pueden hacer algo de lo siguiente:

    (A) La fuerza sera apagada, frenos puestos, el mastil puesto en posicion vertical, los cuernos los deja en la posicion abajo. Cuando se deje en un lugar inclinado, las ruedas se bloquearan, o

CODIGOS DE PRACTICAS DE SEGURIDAD -
Montacarga, Camion Industrial y Tractor Remolcador (Forklift)

(B) La fuerza puede sequir en operacion, si es que los frenos son puestos, el mastil traido a la posicion vertical, los cuernos en la posicion abajo, y las ruedas deberan ser bloquedas al frente y atras.

17. Cuando el operador de un vehiculo industrial se baja y esta dentro de 25 pies del vehiculo a la vista, los medios de enganche deberan de ser bajados, los controles neutralizados y los frenos puestos para prevenir movimiento.

18. Los vehiculos no deberan ser manejados dentro de un elevador, a menos de que el chofer esta especificamente autorizado a hacerlo. Antes de entrar al elevador, el chofer debe estar seguro de que la capacidad del elevador no sera excedida. Dentro del elevador la fuerza sera apagada y los frenos seran puestos.

19. Los vehiculos manuales motorizados, deberan entrar a un elevador o a otros lugares confinados, con el final de la carga hacia enfrente.

20. Los vehiculos no seran operados en pisos, puertas de banquetas o plataformas que no soporten seguramente al vehiculo cargado.

21. Antes de entrar manejando a un camion, carro del ferrocarril, trailers, deberan de chequear el piso contra quebraduras u otras debilidades estructurales.

22. No se debera de manejar ningun vehiculo dentro y fuera de camiones y remolques en los muelles de carga, hasta que dichos camiones esten bloqueados y los frenos puestos.

23. Para prevenir que los carros del ferrocarril sean movidos durante su carga o descarga, los frenos del carro seran puestos, bloques en las ruedas u otros objetos positivamente reconocidos, y banderas azules o luces puestas de acuerdo con las regulaciones aplicables promulgadas por la Comision de Utilidades Publicas.

24. El ancho de una llanta del vehiculo industrial motorizado sera la distancia minima mantenida de la orilla del camion mientras esta en un muelle elevado, plataforma carro del ferrocarril o camion.

25. Las vias del ferrocarril deben de ser cruzadas diagonalmente, siempre que sea posible. Esta prohibido estacionarse mas cerca que 8 1/2 pies del centro de la via del ferrocarril.

26. Los camiones no deberan de cargarse en exceso a su capacidad declarada.

27. Un vehiculo cargado no sera movido hasta que la carga este asegurada.

CODIGOS DE PRACTICAS DE SEGURIDAD -
Montacarga, Camion Industrial y Tractor Remolcador (Forklift)

28. Tenga mucho cuidado cuando incline cargas. Inclinar hacia adelante cuando se haga en una posicion elevada, esta prohibido, solo para levantarla. Las cargas elevadas no seran inclinadas hacia adelante, excepto cuando la carga es depositada en una armazon de almacenaje o su equivalente. Cuando se este estacando o emparejando, el movimiento hacia atras debera ser limitadamente lo necesario para estabilizar la carga.

29. Los mecanismos de enganchar la carga deberan de estar puestos de manera que la carga se mantenga seguramente y soportada.

30. Precauciones especiales deberan de ser tomadas cuando se manejen cargas con vehiculos con mecanismos agregados, y durante la operacion de los mismos despues de que la carga haya sido removida.

31. Cuando camiones industriales motorizados sean usados para abrir y cerrar puertas las siguientes provisiones deberan ser observadas:

    (A) Un aparato especificamente designado para abrir o cerrar puertas debera ser agregado al vehiculo.

    (B) La fuerza aplicadg por el aparato a la puerta debera de ser paralela a la direccion de apertura de la puerta.

    (C) Toda la operacion de apertura de la puerta debera estar en completa vista del operador.

    (D) El operador del vehiculo y otros empleados deberan estar libres de en area donde la puerta pudiera caer mientras esta se esta abriendo.

32. Si las cargas son levantadas por dos o mas vehiculos trabajando al unisono, el peso total de la carga no debera exceder la combinada capacidad de levantamiento de los vehiculos involucrados.

    (b) Todo empleado que opere un tractor industrial o de agricultura, debera de ser informado de las instrucciones de su operacion y cualesquier otras practicas pertinentes al ambiente del trabajo. Tal informacion debera de ser proveida al tiempo de su asignacion inicial y cuando menos anualmente Copias impresas de estas instrucciones en un lenguaje entendido por la mayoria de los empleados deberan de ponerse en un lugar visible que sea frecuentado por los choferes.

CODIGOS DE PRACTICAS DE SEGURIDAD -
Montacarga, Camion Industrial y Tractor Remolcador (Forklift)

INSTRUCCIONES DE OPERACION A LOS EMPLEADOS

1. Abrochese su cinturon de seguridad si el tractor tiene.

2. Cuando sea posible evite operar el tractor cerca de zanjas, bordos y hoyos.

3. Reduzca la velocidad cuando de vueltas, cruce cuestas y en terrenos bruscos, o resbalosos.

4. Mantengase fuera de cuestas muy verticales para una operacion segura.

5. Mire hacia donde va, especialmente al final de hileras, en caminos y alrededor de arboles.

6. No permita a otros pasajeros.

7. Opere el tractor suavemente, no de vueltas, comienzos o paradas bruscas.

8. Enganche unicamente en la barra paralela y lugares de enganche recomendados por el manufacturero del tractor.

9. Cuando pare el tractor, ponga los frenos seguramente y use candado de estacionamiento si esta equipado con tal mecanismo.

   (c) Todo empleado que opera un tractor de agricultura o industrial, debe de ser requerido a chequear el tractor antes de cada operacion todos los dias y si esta inseguro reporte el asunto inmediatamente a su mayordomo o al mecanico, y no podra usar el tractor hasta que sea arreglado y sea seguro su manejo.

   (d) Los empleados deben de ser prohibidos a vacilar con el tractor o hacer piruetas cuando manejen un tractor industrial o de agricultura.

   (e) No se deberan de hacer reparaciones a ningun tractor o camion de agricultura o industrial, hasta que se hayan hecho arreglos para reducir la probabilidad de lesiones a los reparadores u otros, causados por movimientos repentinos de operacion de tal equipo o sus partes.

CODES OF SAFE PRACTICE

HAND AND POWER TOOLS, EQUIPMENT

1. Power saws, grinders, and other power tools must have proper guards in place at all times.

2. Power tools shall be hoisted or lowered by a hand line; never by the cord or hose.

3. Hand held power tools shall not be operated unless they are equipped with controls requiring constant hand or finger pressure.

4. Cords and hoses must be kept out of walkways and off stairs and ladders. They must be placed so as not to create a tripping hazard for employees or be subjected to damage from equipment or materials.

5. Hand tools shall be used for their intended purpose only. The design capacity of hand tools shall not be exceeded by unauthorized attachments.

6. Power-actuated tools may be used only by assigned employees who have been instructed and trained in their safe use.

7. The use of power-actuated tools is prohibited in explosive or flammable atmospheres.

8. Safe operating procedures provided by the manufacturers of power-actuated tools shall be followed explicitly.

9. Employees shall maintain all hand tools in good operating condition.

10. All hand tools such as chisels, punches, etc. which can develop mushroomed heads and broken or fractured handles on hammers, axes, etc. must be reconditioned or replaced as condition requires.

11. Worn or bent wrenches will not be used.

12. Appropriate handles will be used on files and similar tools.

13. Appropriate safety gear such as safety glasses, goggles, face shields, etc. must be must be worn.

14. Check all jacks periodically and prior to use to be sure they are in good operating condition.

15. Tool handles must be wedged tightly in the head of all tools.

16. All tool cutting edges must be kept sharp so tool will move smoothly without binding or skipping.

17. All tools are stored in dry, secure locations where they won't be tampered with.

18. Eye and face protection is to be worn when driving hardened or tempered spuds or nails.

19. Appropriate safety guards and shields must be used and maintained on saws, grinders, power tools and similar equipment.

20. All guards above and below the base shoe are used on portable circular saws.

21. Circular saw guards must be checked to be sure they are not wedged leaving the lower portion of the blade unguarded.

22. All rotating or moving parts including belts, pulleys, chains, and sprockets on equipment must be guarded to prevent physical contact.

23. All cord-connected, electrically-operated tools and equipment must be effectively grounded or of the approved double insulated type.

24. All portable fans must have full guards or screens having openings 1/2 inch or less.

25. Use hoisting equipment for lifting heavy objects making sure that hoist ratings and characteristics are appropriate for the task.

26. Ground-fault circuit interrupters must be used on all temporary electrical 15 and 20 ampere circuits.

27. Check pneumatic and hydraulic hoses on power-operated tools regularly for deterioration or damage.

CODES OF SAFE PRACTICE

MAINTENANCE

1. Repairs or maintenance shall not be performed on machinery until the source of power is off and the machinery is securely blocked against motion, except where motion is necessary to make adjustments. The "tag out or lockout" procedure shall be followed when maintenance or repairs are made.

2. No work shall be performed under equipment or machinery in a raised position until it is securely blocked in place.

3. Watches and rings should not be worn when working with electricity. They can come in contact with energized circuits causing severe burns and/or electrocution.

4. All mobile equipment under repair shall be adequately chocked and blocked against movement.

5. Use a ladder when needed. Do not improvise.

6. Only approved solvents shall be used to clean parts and equipment.

7. Gasoline-powered equipment shall not be fueled while the engine is running.

8. Gloves shall not be worn while operating drill presses or bench grinders.

9. Bench grinder tool rests shall be maintained not to exceed 1/8 inch from the grinding wheel and tongue guard adjusted not to exceed 1/4 inch from grinding wheel.

10. Machines designed for a fixed location shall be securely anchored to prevent walking or moving during operation.

11. Floor openings or holes shall be protected by approved guard rails or covers. If covers are used, they shall be strong enough to support the loads to be imposed upon them and shall be secured to prevent accidental displacement.

12. Repairs involving high pressure systems, such as air lines, receivers or compressed air equipment shall not be attempted until the pressure has been relieved.

13. Compressed air within the facility shall not be used for cleaning purposes except where reduced to less than 30 p.s.i. and then only with effective chip guarding and personal protective equipment.

14. All air hose connections 1/2 inch inside diameter or larger shall be secured with approved safety ties.

15. For operating adjustments, turn off the power and wait for the machine to come to a complete stop. Do not slow down or stop any machine with your hands.

16. When repairing a machine, maintenance personnel must use lockout device or stop tags to let others know not to turn on the machine.

PORTABLE LADDER

1. Defective ladders are not to be used.

2. Be sure ladders used are maintained in good and clean condition.

3. Make sure joints between steps and side rails are tight.

4. Make sure all hardware and fittings are securely attached and moveable parts operating freely without binding or undue play.

5. Make sure steps are free of grease or oil.

6. Mark defective ladders "Defective-Do Not Use".

7. The base of the ladder must be set back a safe distance from the vertical wall, approximately one-forty of the working length of the ladder.

8. All ladders used must have non-slip safety feet and rungs uniformly spaced at 12 inches, center to center.

9. It is prohibited to place ladders in front of doors opening toward the ladder except when the door is blocked open, locked or guarded.

10. It is prohibited to place ladders on boxes, barrels, or other unstable bases to obtain additional height.

11. Whenever ascending or descending a ladder, employees shall face the ladder and use both hands and feet.

12. Do not use top step of ordinary stepladders as a step.

13. When portable rung ladders are used to gain access to elevated platforms, roofs, etc., the ladder must extend at least 3 feet above elevated surface.

14. When portable rung or cleat type ladders are used, the base is lashed or otherwise held in place so that slipping cannot occur.

15. Portable metal ladders will never be used around electricity and are marked with signs reading "CAUTION" - Do Not Use Around Electrical Equipment, or equivalent wording.

16. Ladders will not be used for anything other than their intended use.

17. An extension ladder is only adjusted while standing at the base of

the ladder (not while standing on the ladder or from a position above the ladder).

SCAFFOLDING

1. Scaffolds shall be substantially constructed to carry the loads imposed upon them and to provide a safe work platform.

2. All scaffolds more than 10 feet high shall have approved guard rails on all exposed ends and sides.

3. Toeboards and screens shall be provided on a scaffold if persons are required to pass under it.

4. Guard rails, midrails, and toeboards must be installed on all open sides of scaffolds 10 feet or more in height.

5. Only approved scaffolds shall be used. Barrels, boxes and other makeshift substitutes for scaffolds shall not be used.

6. Scaffold planks must be at least 2 x 9 inch full thickness lumber, scaffold grade, or equivalent.

7. Scaffold planks must be cleated and must extend over the end supports at least 6 inches but not more than 12 inches.

8. All scaffolds must be at least two planks wide; no employee may work from a single plank.

9. Scaffold planks must be visually inspected before each use. Damaged scaffold planks must be destroyed immediately.

10. Adequate mud sills or other rigid footing, capable of withstanding the maximum intended load, must be provided.

11. Scaffolds must be tied on to the building or structure at intervals which do not exceed 30 feet horizontally and 2 feet vertically.

12. Do not overload scaffolds. Materials shall be brought up as needed. Scaffolds must not be loaded in excess of one-fourth of their rated capability.

13. Where persons are required to work or pass under a scaffold, a screen of 18-gauge, 1/2-inch wire mesh is required between the toeboard and the guard rail.

14. Overhead protection is required if employees working on scaffolds are exposed to overhead hazards. Such protection must be a 2-inch plank or the equivalent.

15. Rebar is not to be used for scaffold supports.

16. Where adequate guard rails cannot be provided, employees shall wear

the appropriate fall protection as required, i.e. safety belt and lanyard.

RIGGING PROCEDURES

1. Chains, ropes, slings and hooks shall be inspected before each use. Damaged chains, ropes, slings and hooks shall be tagged and removed from service.

2. Loads suspended by cranes shall not be hoisted over other employees.

3. Employees shall not work under suspended loads.

4. All cranes and hoists must be inspected prior to use on each shift, and all deficiencies repaired before the equipment is used.

5. Employees shall use standard crane signals.

6. Cable clips shall be installed in accordance with established standards.

7. The weight of the load shall be determined to select the proper size of choker.

8. Sharp edges of the material to be rigged shall be protected to prevent damaging the choker and creating a hazard.

9. Tag lines shall be used when hoisting and rigging loads.

10. Material or equipment rigging shall not be rigged from structural points which are unstable (such as unfinished work, handrail, or conduit).

11. Accessible areas within the swing radius of all cranes must be barricaded to prevent employees from being injured by the counterweight.

12. Safety latches are required on all crane hooks.

13. A body belt shall be worn and a lanyard attached to the boom or basket when working from an aerial lift.

14. Use only hoisting equipment you are authorized to use. Be certain the hoist and the beam are rated for not less than the amount of weight you are attempting to lift.

SAFE HAZARDOUS ENTRY

1. Employees required to enter confined spaces containing power drive components or pinch point hazards shall use "lockout" procedures to

insure there is no possibility of inadvertent movement or accidental start up. Lockouts shall be utilized.

2. Employees performing hazardous entry work shall wear Authority approved safety belts and lifelines where there is a danger of falling; a second employee shall tend the lifeline from the outside whenever tanks, bins or vessels are entered, and shall also wear the appropriate respirator protection.

WELDING

1. Compressed gas cylinders shall be secured in an upright position. Valves on compressed gas cylinders shall be protected by valve covers when the cylinders are not in use. Gauges shall be protected from falling objects when in use. Valves shall be shut off when cylinders are not in use.

2. Employees shall wear appropriate welding protective apparel, including proper density lens protection.

3. When arc-welding near other workers, non-combustible screens must be used to prevent welder's flash.

4. Oil and grease shall be kept away from oxygen and acetylene gauges and valves.

5. Oxygen cylinders in storage shall be separated from fuel-gas cylinders or combustible materials (especially oil or grease), a minimum distance of 20 feet or by a noncombustible barrier at least 5 feet high having a fire-resistance rating of at least one-half hour. Empty shall be marked as empty (M.T.) and have their valves closed.

6. No cutting or welding shall be conducted where there is oil, grease, flammable liquids, gases, or combustible materials without first removing them from the area. Should it be impossible to remove them, they shall be protected by a metal barrier or some fire retardant material and a fire extinguisher shall be on hand.

7. Cutting or welding shall not be conducted on tanks or drums which have contained flammable liquids or grease until they have been thoroughly cleaned or other precautions taken to prevent fire or explosion.

8. Employees shall ensure there is adequate ventilation when welding or cutting in confined spaces or with exotic metals.

9. Do not use matches to light torches. Spark ignitors must be used.

10. Backflow protection shall be installed on all welding torches. That will prevent oxygen from flowing into the fuel-gas system or fuel from flowing into the oxygen system.

11. When a crescent or special wrench is required to operate the acetylene cylinder valve, the wrench must be kept in position on the valve. An acetylene cylinder valve shall not be opened more than one and one-half turns of the spindle, and preferable no more than three-fourths of a turn.

12. Arc-welder terminals for welding leads shall be protected from accidental electrical contact by personnel or by metal objects.

CODES OF SAFE PRACTICES
LOCKOUT/BLOCKOUT §3314

Lockout/blockout means that any energy source, whether it is electrical, hydraulic, mechanical, compressed air, or any other source that might cause unexpected movement, must be disengaged or blocked and electrical sources must be de-energized and LOCKED or positively sealed in the OFF position. But even a locked-out machine may not be safe if there are parts of that machine that are not BLOCKED to prevent inadvertent movement. Potential energy that may need to be blocked can come from suspended parts (subject to gravity) or may be energy stored in springs.

SURVEY OF EQUIPMENT AND IDENTIFICATION AND LABELING OF ENERGY DISCONNECTING MEANS

Make an initial survey of the plant or operation to identify all energy sources. This must be done by a physical inspection possibly in combination with drawings, equipment manuals etc. Locate and mark the disconnecting means indicating their function. Categorize these identification details as to the equipment supplied and the energy type and magnitude from program materials worked out beforehand in this lockout/block program planning study. A sign or sticker, "LOCKOUT HERE" placed at the disconnecting means helps to direct workers to correct lockout devices.

METHODS OF LOCKING OUT CONTROLS

There are many different ways to lock out a piece of equipment. Commonly, the main disconnect switch has one opening where a lock can be placed. If more than one employee works on the equipment, a lockout adaptor suitable for the installation of several locks must be used, enabling all workers to lock out the machine with their individual locks. If the switches are in a metal box itself, must be locked out. If a fuse was removed in order to de-energize the equipment, the fuse box must be locked. If the controls are in a metal covered box, a common hasp can be welded or riveted to the door, along with a lock staple. Then the switch can be "opened" and the door closed and padlocked. Fuse boxes can also be locked in this way. Machines activated by compressed air or steam will have valves that control movement. These valves will not only need to be locked out but also bled to release any back pressure.

LOCKS, BLOCKS, AND ACCIDENT PREVENTION TAGS

<u>LOCKS</u>: Each worker must have his or her own lock and the only key to that lock. The lock should be substantial and durable and should have the name of the worker on it. In addition, locks can be color coded to indicate different shifts or types of crafts. When more than one worker is servicing a piece of equipment that must be locked out, a lockout adaptor can be used which allows all the workers to place their locks on the disconnecting means. After the work is completed, each worker will remove his or her lock and the machine can be returned to service.

<u>TAGS</u>: DO NOT USE TAGS ALONE. Use tags or signs in addition to locks. The tags must state:

a. The reason for the lockout.

b. The name of the employee who is working on the equipment and how that person may be reached.
c. The date and time when the tag was put in place.

BLOCKS: Suitable blocks are another important safety device to make a piece of equipment safe to be repaired or serviced. Blocks must be placed under raised dies, lifts, or any equipment that might inadvertently move by sliding, falling, or rolling. Blocks, special brackets, or special stands such as those which are commonly used under raised vehicles, must be available and always used. Another form of blocking is the placement of a blind. A blind is a disk of metal placed in a pipe to ensure that no air, steam, or other substance will pass through that point if the system is accidently activated. Before blinds or blocks are installed, bleed down steam, air, or hydraulic lines to get rid of any pressure. In addition, coiled springs, spring loaded devices, or suspended loads must be released so that their stored energy will not result in inadvertent movement.

A WRITTEN, STANDARD OPERATING PROCEDURE

A written, standardized operating procedure, followed by necessary training and responsible supervision is the best way to put into practice an effective lockout program. A lockout usually requires coordination between the production and maintenance departments. In addition, it frequently extends over two shifts, which adds to the number of employees involved and complicates portions of the lockout/blockout procedure. In preparing a lockout procedure, consider the following items:

a. Job objectives and equipment involved.
b. Estimated job duration.
c. Personnel and skills involved.
d. Personnel sign-on and-off positions.
e. Type, number, and location of energy neutralization devices requiring lockout.
f. Responsible and knowledgeable persons' approvals.
g. Start-up provisions.

LOCKOUT PROCEDURE REQUIREMENTS

A good lockout procedure, at a minimum, contains the following:

All maintenance personnel are provided with a suitable lock(s). The lock has the individual worker's name and other identification on it. Each worker has the only key to the lock.

The worker checks to be sure that no one is operating the machinery BEFORE turning off the power. The machine operator is informed before the power is turned off. Sudden loss of power could cause an accident.

Steam, air, and hydraulic lines should be bled, drained, and cleaned out. There should be no pressure in these lines or in reservoir tanks.

Any mechanism under load or pressure, such as springs, should be released and blocked.

Each person who will be working on the machinery should put a lock on the machine's lockout device(s). Each lock must remain on the machine until the work in completed. ONLY THE WORKER WHO PLACED THE LOCK SHOULD REMOVE HIS OR HER LOCK IF AT ALL POSSIBLE.

ALL ENERGY SOURCES WHICH COULD ACTIVATE THE MACHINE MUST BE LOCKED OUT.

The main valve or main electrical disconnect must be tested to be sure that the power to the machine is off.

Electrical circuits must be checked by qualified persons with proper and calibrated electrical testing equipment. An electrical failure could energize the equipment, even if the switch is in the off position. Stored energy in electrical capacitators should be safely discharged.

Attach accident prevention tags which give the reason for placing the tag, the name of the person placing the tag, how he or she may be contacted, and the date and time the tag was placed. NO ONE REMOVES THE TAG WITHOUT THE PROPER AUTHORITY.

TESTING EQUIPMENT DURING LOCKOUT

In many maintenance and repair operations, machinery may need to be tested, and therefore, energized before additional maintenance work can be performed. Establish the following the procedure:

Clear all personnel to safety.

Clear away tools and materials from equipment.

Remove lockout devices, and re-energize systems following the established safe procedure.

Proceed with try out or test, etc.

Neutralize all energy sources once again, purge all systems, and lockout prior to continuing work.

RESTORING EQUIPMENT TO SERVICE

After the work is completed and the equipment is ready to be returned to normal operation, the procedure below must be followed:

Remove all non-essential items.

See that all equipment components are operationally intact, including guards and safety devices.

Repair or replace defective guards before removing lockouts.

Remove each lockout device using the correct removal sequence.

Make a visual check before restoring energy to ensure that everyone is physically clear of the equipment.

CODES OF SAFE PRACTICE

MATERIAL HANDLING AND STORAGE

1. Heavy or awkward materials shall be moved with a mechanical aid or with additional help to prevent a lifting hazard.

2. Materials and supplies shall be neatly and securely stacked, blocked and limited in height so as to be stable and in no danger of collapsing, sliding or falling over.

3. Heavy items shall be stored on lower shelves and blocked against falling or rolling.

4. Material shall not be permitted to protrude from shelves in such a manner as to create a hazard.

5. Storage of acids or caustics shall be maintained on the lowest available shelf or rack and never be stored together because of the possibility the chemicals may leak and mix together causing a violent chemical reaction.

CODES OF SAFE PRACTICE

OFFICE

The following safety outline has been established for all people who are working in an office area. Safety in the office starts with the fact that although the office is considered a safe working environment, accidents do occur and each employee should be aware of potential safety problems.

1. While working at your desk make sure your chair has been adjusted to allow your feet to rest flat on the floor. Your thighs should be parallel to the floor reducing the strain on your lower back area.

2. When in the act of typing make sure the keyboard has been placed in a position which allows you to have good support for your hands and forearms. Avoid bending your wrist for long periods of time. This helps avoid fatigue of the arms, shoulders and back.

3. While working on projects which require long periods of setting at your desk, take regular one minute breaks to allow you to get up from your chair and change your position.

4. Read and observe all instructions while working with any chemicals which have to do with office equipment (copier toner, liquid paper, etc.)

5. Office personnel entering other work areas shall wear the required protective clothing and equipment for that area.

6. Never run through the office, slipping and falling are the result of not paying attention to where you are going and watching for possible problems.

7. Be aware of possible safety problems when entering the plant.

8. Make sure the rules of lifting are observed. Office injuries generally are the result of overexertion which lead to strains when involved in a task not normally performed within your regular work day schedule, i.e; moving heavy objects, such as typewriters, file cabinets or desks.

9. Never open more than one (1) file drawer at a time and always close file drawers before leaving the file cabinet.

10. Open drawers carefully, do not depend on the drawer safety stop to work properly. If faulty, the drawer could fall on you.

11. When working with a bottom drawer in a file cabinet, be sure the top drawers are closed.

12. Use handle when closing drawers, fingers on the edge might be cut.

CODE OF SAFE PRACTICE-CONTINUED
OFFICE

13. If your chair or other office furniture needs repair report it to your supervisor.

14. Store material on high shelves carefully so they will not fall.

15. Ladders and stands should be used to access material on high shelves. Never use a chair, open drawer or lower shelves.

16. Electrical cords should not be left across isle's.

17. Frayed electrical cords and broken plugs should be reported to your supervisor.

18. If you feel a slight tingle when you tough a machine turn it off and pull the plug. There is a short; call your supervisor.

19. Unjamming any duplicating machine can be dangerous. Ask your supervisor to show you how.

20. Any safeguard removed for the purpose of unjamming or adjusting should be replaced immediately.

21. Machines can grab jewelry, clothing and hair.

22. Do not run your fingers along the edge of paper and keep paper away from your eyes.

23. Moisten envelopes with a sponge instead of licking.

24. Advise your supervisor if background lighting causes glare or a reduced clarity of vision on your VDT screen.

CODES OF SAFE PRACTICE

- Safe Fueling -

General Industry Safety Orders #3319

1. No internal combustion engine fuel tank shall be refilled with a flammable liquid while engine is running.

2. Fueling shall be done in such a manner that spillage is minimal.

3. If a spill occurs it shall be washed away completely, evaporated, or equivalent action taken to control vapors before restarting the engine.

4. Fuel tank caps shall be replaced before starting the engine.

5. The gasoline pump used shall be listed as safe by design or gravity flow if used in a safe manner. Metal to metal contact between the containers and the fuel tank. Gravity flow systems shall be fitted with self closing nozzles.

6. No gasoline shall be handled in open containers.

7. Open lights, open flames, sparking or arching equipment shall not be used near fuel storage tanks or internal combustion engine equipment while being fueled.

8. Refueling with portable containers shall be done with approved safety type containers equipped with automatic closing cap and flame arrestor.

CODES OF SAFE PRACTICE

VEHICLES

The following rules can assist in assuring a high degree of safety in the operation of your vehicles:

1. Only authorized individuals are allowed to operate your vehicle.

2. No one is permitted to operate your vehicle without a proper driver's license.

3. Loose equipment in the passenger compartment can be deadly in the event of an accident or sudden stop. Store tools and similar loose equipment in secure compartments, or haul them separately.

4. Know and obey all laws and safety rules. A vehicle is a deadly weapon when used improperly.

5. Driving a vehicle is a privilege, and your driving privileges can and will be taken away if you drive unsafely or if your personal driving record causes the insurance company to exclude you from driving. More than one minor infraction in a three year period could cause the insurance company to put you on probation. A single reckless driving or driving under the influence conviction will automatically mean loss of your driving privileges.

6. Carry a first aid kit and fire extinguisher. Both can be useful OUTSIDE the vehicle, in addition to handling vehicular emergencies.

7. Always look before backing. If you are in a neighborhood where children might be present, take a quick walk around the vehicle to make sure a child is not nearby.

8. Obey the rules for safe speed. Do not drive faster than is safe for the conditions of the road. Do not exceed the speed the limit. You will never be asked or required to break the law to meet your obligation as an employee of the company. Safety always comes first!

9. Set the brakes and remove the keys when leaving the vehicle.

10. Never carry standing passengers on the outside of a vehicle. If passengers ride in the bed of a truck, have them remain seated while the vehicle is moving.

11. Drive the way you want others to drive. Be courteous.

12. Inspect and check brakes, horns, steering, tires, lights and other items daily, and make sure any needed repairs are made in a timely manner.

13. Follow company policy on carrying passengers. Never carry more passengers than the vehicle is designed for.

CODES OF SAFE PRACTICE - Continued
VEHICLES

14. Never remove radiator caps without adequate protection against scalding steam and hot water.

15. If required by the company, participate successfully in fleet training or other approved driver training program.

16. Always wear your seat belt, and make sure passengers do the same.

17. Allow three seconds distance between you and the vehicle in front of you. If driving a truck that is loaded, allow up to 10 seconds. Keep in mind the size of your truck, your load, and allow for weather conditions.

18. Avoid being boxed in by other vehicles.

19. Check mirrors.

20. Use turn signals properly.

21. Keep in mind the size of the vehicle.

22. In case of an accident, never admit responsibility. Inform your supervisor immediately.

ELECTRONIC CHROME CO

116Q010A-9 5/28/91
Ref.Codes of Safe Practice

VEHICLE/TRUCK INSPECTION CHECKLIST

Inspection Description CHECK BEFORE DRIVING		*Frequency D	W	Check OK (Initial)	Corrective Action Req'd
FLUIDS	- Fuel Level	X			
	- Brake		X		
	- Power Steering		X		
	- Windshield		X		
	- Transmission		X		
COOLING SYSTEM	- Coolant		X		
	- Radiator Leaks		X		
	- Reservoir		X		
	- Hoses		X		
	- Radiator Cap		X		
ENGINE LEAKS	- Light	X			
	- General	X			
	- Other	X			
TRANSMISSION LEAKS	- Light	X			
	- General	X			
FUEL LEAKS	- Hoses	X			
	- Pump	X			
	- Tank	X			
LIGHTS	- Head	X			
	- Tail	X			
	- Signals	X			
	- Back Up	X			
	- Parking	X			
	- Clearance	X			
	- Emergency Flash	X			

*D= Daily, W=Weekly

VEHICLE/TRUCK INSPECTION CHECKLIST

Inspection Description CHECK BEFORE DRIVING	*Frequency D	*Frequency W	Check OK (Initial)	Corrective Action Req'd
ENGINE OIL - Level		X		
- Filter		X		
TIRES - Front Rt. ___ Lt. ___	X			
- Rear Rt. ___ Lt. ___	X			
- Pressure		X		
MISC. - Air Filter		X		
- Belts (Engine)		X		
- Wiper Blades		X		
- Mirrors/Glass	X			
- Horn	X			
- Seat Belts	X			

*D= Daily, W=Weekly

ADDITIONAL COMMENTS: _____

SERVICE NEEDED: _____

ELECTRONIC CHROME CO. - EMPLOYEE/JOB TRAINING - NOVEMBER 25,1991 (ECSB198.REP)

EMPLOYEE NAME	JOBS TRAINED ON	DATE OF HIRE	LAST DATE TRAINED
BERRY, CLIFF	GRINDER	91-05-29	91-11-23
CUEVAS, ROBERT	INSPECTOR	65-11-04	91-11-23
	OVEN OPERATOR	65-11-04	91-11-23
	PLATER	65-11-04	91-11-23
	SHIPPING/RECEIVING	65-11-04	91-11-23
GILLAM, JOYCE	OFFICE	70-02-03	
GONZALEZ, JORGE	PLATER HELPER	90-03-15	91-11-23
GONZALEZ, JUAN	PLATER HELPER	91-01-14	91-11-23
GONZALEZ, LUCIANO	HAZARDOUS WASTE TECH	85-02-20	91-11-23
	MAINTENANCE	85-02-20	91-11-23
	OVEN OPERATOR	85-02-20	91-11-23
	PLATER LEADMAN	85-02-20	91-11-23
HANSEN, LARRY	MAINTENANCE	91- -	
MARTINEZ, LEONEL	PLATER HELPER	89-10-14	91-11-23
OCHOA, CARLOS	JANITOR	78-06-19	91-11-23
	TRUCK DRIVER	78-06-19	91-11-23
REED, DALE	GRINDER	74-07-01	91-11-23
	INSPECTOR	74-07-01	91-11-23
REED, JOYCE	OFFICE	78-03-27	
REED, MICHAEL	CUSTOMER SERVICE	65-04-01	91-11-23
	HAZARDOUS WASTE TECH	65-04-01	91-11-23
	INSPECTOR	65-04-01	91-11-23
	MAINTENANCE	65-04-01	91-11-23
	OFFICE	65-04-01	91-11-23
	OVEN OPERATOR	65-04-01	91-11-23

ELECTRONIC CHROME CO. - EMPLOYEE/JOB TRAINING - NOVEMBER 25,1991 (ECSB198.REP)

EMPLOYEE NAME	JOBS TRAINED ON	DATE OF HIRE	LAST DATE TRAINED
	PLATER	65-04-01	91-11-23
	SHIPPING/RECEIVING	65-04-01	91-11-23
REED, PHILIP	OFFICE	65-04-01	
REED, RYAN	GRINDER	89-07-05	91-11-23
ROBLES, MELICIO	PLATER	88-05-28	91-11-23
ST. AMANT, ERIC	GRINDER LEADMAN	88-06-26	91-11-23
	INSPECTOR	88-06-26	91-11-23
	MAINTENANCE	88-06-26	91-11-23
VALENZUELA, SERGIO	PLATER HELPER	91-03-18	TERMINATED 91/11/27
VARGAS, ALEJANDRO	PLATER HELPER	91-06-11	91-11-23
VENTURA, MANUEL	GRINDER	79-12-26	91-11-23

ELECTRONIC CHROME CO. - JOB STATION TRAINED EMPLOYEE LIST - NOVEMBER 25, 1991 (EC2198.REP)

JOBS TRAINED ON	EMPLOYEE NAME	DATE OF HIRE	LAST DATE TRAINED
CUSTOMER SERVICE	REED, MICHAEL	65-04-01	91-11-23
GRINDER	BERRY, CLIFF	91-05-29	91-11-23
	REED, DALE	74-07-01	91-11-23
	REED, RYAN	89-07-05	91-11-23
	VENTURA, MANUEL	79-12-26	91-11-23
GRINDER LEADMAN	ST. AMANT, ERIC	88-06-26	91-11-23
HAZARDOUS WASTE TECH	GONZALEZ, LUCIANO	85-02-20	91-11-23
	REED, MICHAEL	65-04-01	91-11-23
INSPECTOR	CUEVAS, ROBERT	65-11-04	91-11-23
	REED, DALE	74-07-01	91-11-23
	REED, MICHAEL	65-04-01	91-11-23
	ST. AMANT, ERIC	88-06-26	91-11-23
JANITOR	OCHOA, CARLOS	78-06-19	91-11-23
MAINTENANCE	GONZALEZ, LUCIANO	85-02-20	91-11-23
	HANSEN, LARRY	91- -	
	REED, MICHAEL	65-04-01	91-11-23
	ST. AMANT, ERIC	88-06-26	91-11-23
OFFICE	GILLAM, JOYCE	70-02-03	
	REED, JOYCE	78-03-27	
	REED, MICHAEL	65-04-01	91-11-23
	REED, PHILIP	65-04-01	
OVEN OPERATOR	CUEVAS, ROBERT	65-11-04	91-11-23
	GONZALEZ, LUCIANO	85-02-20	91-11-23
	REED, MICHAEL	65-04-01	91-11-23
PLATER	CUEVAS, ROBERT	65-11-04	91-11-23

ELECTRONIC CHROME CO. - JOB STATION TRAINED EMPLOYEE LIST - NOVEMBER 25, 1991 (EC2198.REP)

JOBS TRAINED ON	EMPLOYEE NAME	DATE OF HIRE	LAST DATE TRAINED
	REED, MICHAEL	65-04-01	91-11-23
	ROBLES, MELICIO	88-05-28	91-11-23
PLATER HELPER	GONZALEZ, JORGE	90-03-15	91-11-23
	GONZALEZ, JUAN	91-01-14	91-11-23
	MARTINEZ, LEONEL	89-10-14	91-11-23
	VALENZUELA, SERGIO	91-03-18	TERMINATED 91/11/27
	VARGAS, ALEJANDRO	91-06-11	91-11-23
PLATER LEADMAN	GONZALEZ, LUCIANO	85-02-20	91-11-23
SHIPPING/RECEIVING	CUEVAS, ROBERT	65-11-04	91-11-23
	REED, MICHAEL	65-04-01	91-11-23
TRUCK DRIVER	OCHOA, CARLOS	78-06-19	91-11-23

CODES OF SAFE PRACTICE - CUSTOMER SERVICE

JOB DESCRIPTION:

Responsible for all aspects of coordinating customer product requirements and company manufacturing process including operating the forklift, working with the oven and inspecting parts.

Uses forklift for loading/unloading trucks; moving material and equipment parts; lifting equipment for repairs.

CHEMICALS:

See MSDS Information.

SAFETY EQUIPMENT REQUIRED:

See MSDS Information.

SAFE WORK PRACTICES:

1. Be aware of activity in work area.
2. Wear the proper safety equipment for the area you are working in.
3. Handle parts carefully, be aware of sharp edges.
4. Remove scrap and waste from work area.
5. Keep floor dry and slip free.
6. Be sure material being received has proper packaging.
7. Handle parts carefully not to nick or chip them.
8. Be sure you understand all MSDS on the items you encounter.

ADDITIONAL CODES OF SAFE PRACTICE TRAINING REQUIRED:

General Training Required: Fire Prevention
General
Good Housekeeping
Lifting

Specific Training Required: None

ADDITIONAL TRAINING:

Hazard Communication Program

THIS LISTING OF SAFETY RULES IS NOT INTENDED TO BE ALL INCLUSIVE. AS NEW RULES ARE NEEDED, A REVISED LIST WILL BE PREPARED.

CODES OF SAFE PRACTICE - GRINDER ECCOSP.DOC

JOB DESCRIPTION:
Pre grind parts before going to plating operation and grind parts to specification after plating operation.

Uses forklift for loading/unloading trucks; moving material and equipment parts; lifting equipment for repairs.

CHEMICALS:
Trim Sol
Refer to MSDS information

SAFETY EQUIPMENT REQUIRED:

Apron if desired
Footwear with substantial soles
Ear Protection where required for prolonged exposure as advised by supervisor.
Safety Glasses with Side Shields
NO GLOVES AT ANYTIME
Refer to MSDS information for proper safety equipment.

SAFE WORK PRACTICES:

1. Do not start hand tools before being properly instructed.
2. Make sure floors are dry at all times.
3. Clean up all spilled materials or liquid immediately.
4. Maintain equipment in good condition, with all safety guards in place when in operation.
5. Do not distract others while working.
6. Walk, do not run.
7. Be sure you understand all MSDS on the items you encounter.
8. Report any problems with the forklift to the supervisor.
9. Be sure all loads handled are stable.
10. Be alert to ground conditions.
11. Keep forklifts in clean condition.
12. Only authorized maintenance personnel shall work on forklifts.
13. Be aware of activity in the plant work area.
14. Maintain equipment in good condition, with all safety guards in place when in operation.
15. Do not operate any machine without the proper training.
16. Do not wear necktie or loose clothing or jewelry and tie back long hair.

ADDITIONAL CODES OF SAFE PRACTICE TRAINING REQUIRED:

General Training Required:	Fire Prevention
	General
	Good Housekeeping
	Lifting
Specific Training Required:	Forklift
	Fueling
	Hand and Power Tools, Equipment
	Material Handling and Storage

ADDITIONAL TRAINING:

Hazard Communication Program

THIS LISTING OF SAFETY RULES IS NOT INTENDED TO BE ALL INCLUSIVE. AS NEW RULES ARE NEEDED, A REVISED LIST WILL BE PREPARED.

CODES OF SAFE PRACTICE - HAZARDOUS WASTE TECHNICIAN ECCOSP.DOC
JOB DESCRIPTION: REV. 92/03

Responsible for the operation of the Chrome Precipitation and Evaporation System and proper handling and disposal of all hazardous waste according to Local, State and Federal Regulations. Uses forklift for loading/unloading trucks; moving material and equipment parts; lifting equipment for repairs.

CHEMICALS: Mag 50 Magnesium Hydroxide Liquid
Sodium Hydrosulfite Powder (mix 1/2 lb./gallon of water)
Sodium Hydroxide 50% Liquid
Aqua Ben 445L Anionic Polymer Liquid (mix 1 gallon of polymer/5 gallons of water)

SAFETY EQUIPMENT REQUIRED: Footwear with substantial soles
When handling chemicals and waste the following should be worn:

Apron	Gloves Neoprene
Face Shield	Safety Goggles

Refer to MSDS information sheets for proper safety equipment when handling any chemicals.

SAFE WORK PRACTICES:

1. Understand all MSDS in the work place.
2. Know where all eye wash and shower stations are located.
3. Clean up all spilled material or liquids immediately.
4. Study waste profiles and be aware of waste characteristics.
5. Handle chemicals with extreme care.
6. Be aware of all hazards (eg. Hazardous Waste and Chemicals) to the environment (air, water and soil).
7. Maintain equipment in good condition, with all safety guards in place when in operation.
8. Be sure to read and understand the Chrome Precipitation and Evaporation System Operation and Maintenance Manual.
9. Be aware of excessive heat generated in and around Evaporator, tubes, etc.
10. The Evaporator draws solution from Stage 1 of the Clarifier and should be operated simultaneously with the Chrome Precipitation System to prevent overflowing of the Recycle Tank.
11. When draining the Evaporator, allow the solution in the Evaporator to Cool Off to Ambient prior to opening the Bottom Drain Valve. Failure to cool the solution can result in damage to both the piping and the Filter Press.
12. Be sure the Bottom Drain Valves on the Clarifier are Closed when draining the Evaporator. Failure to Close these Valves can cause the solution to equalize between the Evaporator and the Clarifier causing the Evaporator to overflow.

ADDITIONAL CODES OF SAFE PRACTICE TRAINING REQUIRED:

General Training Required:	Fire Prevention	Good Housekeeping
	General	Lifting
Specific Training Required:	Hand and Power Tools,	Equipment
	Material Handling and	Storage
	Plating Tanks	
Equipment Training Required:	Chrome Precipitation and Evaporation System Operation and Maintenance Manual	

ADDITIONAL TRAINING:
Contingency Plan
Hazard Communication Program

THIS LISTING OF SAFETY RULES IS NOT INTENDED TO BE ALL INCLUSIVE. AS NEW RULES ARE NEEDED, A REVISED LIST WILL BE PREPARED.

KRC
ASSOCIATES
INCORPORATED

1571 S. Sunkist, Unit K
Anaheim, CA 92806
714/939-6357
Fax 714/939-6359

ELECTRONIC CHROME

CHROME PRECIPITATION AND EVAPORATION SYSTEM

OPERATION

and

MAINTENANCE MANUAL

October 1991

Principles of Operation

The concentrated waste from the Acid Strip Tank is collected in the Waste Storage Tank. This waste is predominantly acidified Tri-Chrome. Any waste from inside the shop shall be predominantly acidified Hex-Chrome. This should also be collected in the Waste Storage Tank. Mixing the two, Tri-Chrome and Hex-Chrome will aid in breaking up any Dichromate complexes.

This collected waste solution is then "metered" into the T-3 Neutralization Tank at a nominal .25 GPM (appx. 120 gallons per day on an 8 hour day). In T-3 Magnesium Hydroxide is added, automatically controlled by the Kruger & Eckels pH Controller. This adjusts the pH and starts the precipitation process. This Controller is set for a pH of 6.0. Since the Mag Hydroxide is a very slow reacting material, you'll notice "spikes" up to 8 and 8.5 due to the "reaction time vs. the flow" through the tank. This is perfectly acceptable and has been allowed for in the System set-up.

The solution then gravity flows into the T-4 Neutralization Tank. Here Sodium Hydroxide and Sodium Hydrosulfite are added, again automatically controlled by a Kruger & Eckels pH Controller (for the Sodium Hydroxide) and a Kruger & Eckels ORP Controller (for the Sodium Hydrosulfite). The Sodium Hydrosulfite is available to reduce any Hex-Chrome to the Tri state. This controller is set for +70 Mv. Readings above +70 Mv. denote the presence of Hex-Chrome and regulate the chemical additions. The Sodium Hydroxide is set for a pH of 8.0 to 8.5. This is the optimum pH for precipitation of the Heavy Metals in solution. The availability of this chemical addition is only in case the Mag Hydroxide does not respond fast enough to reach this pH prior to the solution flowing to the Polymer stages.

The next two stages are the Polymer Flash Mix Tank and the Polymer Flocculation Tank. In the Polymer Flash Mix, Anionic Polymer is added to build up the particle size for effective settling. This stage has an Air Sparger for mixing of the Polymer throughout the entire solution. This agitation should be "Moderate" to "Mild" for effective mixing. In the Polymer Flocculation Tank, the continued agitation allows for complete contact of the Heavy Metal particles with the Polymer allowing the building of the largest possible particle size. Again, there is an Air

Sparger for mixing. The agitation in this tank must be **"Mild"**. Excessive agitation will break the particles into smaller sizes and reduce the effectivity of the Clarifier.

After Polymerization and Flocculation, the solution flows through the Two Stage Clarifier. Here the large Heavy Metal particles are allowed to gravity settle into the cone bottoms. The clarified liquid then flows through the Clarifier Weir Drain and is returned to the Recycle Tank. Clarified solution in the Recycle Tank is then pumped back to the T-3 Neutralization Tank for dilution of the concentrated waste solution.

Sludge build-up in the cone bottoms of the Clarifier is then pumped through the Filter Press for dewatering and solidification. The dried sludge from the filter press may be disposed of to a Solid Waste Disposal Station or sent out for reclamation of the Chrome. Filtrate from the filter press is returned to the first stage of the Clarifier.

The Evaporator has two functions. First is to evaporate the excess clarified solution that is added to the System from the concentrated waste and reagent chemicals. The second function is to Evaporate clarified solution to reduce the "Salt" build up from the treatment process. This unit is equipped with an automatic liquid level controlled "Fill Pump". This pump automatically draws solution from stage one of the Clarifier when the liquid level reaches approximately 6" above the heater tubes and then shuts-off at approximately 6" below the top of the tank. As concentrated "Salt" solution is built up in the bottom of the Evaporator, periodically this solution should be processed through the filter press to strip the solids.

Start-up and Operation of the Chrome Precipitation System

The System has been initially set-up and adjusted to achieve the proper waste concentrate dilution flow rates and chemical additions. The two most important set-ups are the Recycle Pump and the Waste Solution Metering Pump. The recycle pump is a Wilden Model M-2 Diaphragm Pump and should be adjusted to a nominal 100 to 110 strokes per minute. At a displacement of .1 gallons per stroke, this equates to the required 10 GPM recirculation rate. The Waste Solution Metering Pump is a LMI Model D-141-34 with a capacity of 20 GPH. This pump should be set at a Stroke and Speed of 70 to achieve the desired .25 GPM.

The Mag Hydroxide Recycle Pump is also a Wilden Model M-2 Diaphragm Pump and should be adjusted to a nominal 50 to 60 strokes per minute. At displacement of .1 gallons per stroke, this equates to a 5 GPM recirculation rate.

The Sodium Hydrosulfite Pump, the Sodium Hydroxide Pump, and the Polymer Pump are all LMI Model B-131-71T and B-131-74 Metering Pumps. These three pumps need to be adjusted to achieve the optimum the reaction of their respective chemical reagents.

When starting the system be sure the Main Air Valve, all Individual Air Valves, the Water Valve, the Mag Storage Tank Shut-off Valve, and all of the Flow Piping Valves are open. Initial start-up consists of the following steps:

1. Turn on the **Control Power Switch.** This shall light up the **Control Power Available** Light.

2. Turn on the **Power** and **Set Point Power** Toggle Switches on each of the three Kruger and Eckels Controllers. The **Set Point Power** Toggle Switches shall automatically operate the Sodium Hydroxide and Sodium Sulfite Metering Pumps and the Gemu Mag Injection Valve in response to the Set Point settings on the Controllers.

3. Turn the **Mag $(OH)_2$ Mixer 3 Switch** to **Auto.** This will cycle the mixer on for approximately five minutes of each hour to prevent over mixing and thickening of the Mag Hydroxide solution. When the mixer is in operation the **Mag$(OH)_2$ Mixer in Operation** Light shall come on.

   <u>If the System has been off for more than One Day (24</u>

hours), turn the **Mag $(OH)_2$ Mixer 3 Switch** to **On** for at least five minutes. This will agitate settled Mag Hydroxide in the Mag Storage Tank preventing clogging of the Mag Recirculating Pump. After five minutes set the **Mag $(OH)_2$ Mixer 3 Switch** to **Auto.**

4. Turn on the **Mag $(OH)_2$ Recirculation Pump Switch.** This shall light up the **Mag $(OH)_2$ Recirculation Pump P3 in Operation** Light and start the Mag Hydroxide recirculating.

5. Turn on the **Neutralization Mixer in T4 and T3 Switches.** Their respective **In Operation Lights** shall light up and the mixers shall start agitation of the Neutralization tanks.

6. Turn on the **Flow Control System Switch.** The **Flow Control System Activated** Light shall illuminate and the M-2 Recycle Pump, the Waste Solution Metering Pump, and the Polymer Metering shall all activate. Since these three Pumps are all on a common operation switch, should individual On/Off control be required, each individual unit has its own circuit breaker inside the Control Cabinet.

Shut down of the System down consists of the following steps:

1. Turn off the **Flow Control System Switch.**

2. Turn the **Mag $(OH)_2$ Recirculation Pump Switch** to **Off/Flush.** Allow at least five minutes for the automatic water flush to complete its cycle.

   This procedure is very important. If the Mag Recirculating Pump and piping are not properly flushed, it could result in Mag Hydroxide settling in the pump and/or piping and clogging the recirculation function.

3. Turn off the **Mag $(OH)_2$ Mixer 3 Switch** and **Neutralization Mixer in T4 and T3 Switches.**

4. After the five minutes delay for **Mag $(OH)_2$ Recirculation Pump Off/Flush** cycle, the turn off the **Control Power.** This shall automatically turn off the Kruger & Eckels Controllers and the respective Metering Pumps.

5. Close the Main Air Valve, all Individual Air Valves, the Water Valve, the Mag Storage Tank Shut-off Valve, and all of the Flow Piping Valves.

Operation of the Evaporator

The Evaporator functions based upon the heating the solution to boiling, and atmospheric discharge of the steam with a blower. The unit is equipped with an air sparger to accelerate the evaporation process. The unit has an evaporation capacity of 120 to 150 gallons per day (8 hours). The Evaporator draws solution from Stage 1 of the Clarifier and should be operated simultaneously with the Chrome Precipitation System to prevent overflowing of the Recycle Tank. The Fill Pump is a Wilden Model M-1 Diaphragm Pump and should be adjusted to approximately 50 to 60 strokes per minute. At a displacement of .018 gallons per stroke this equates to an approximate 1 GPM fill rate.

Additional operation of the Evaporator while the Chrome Precipitation System is off is recommended to reduce the "Salt" build-up in the recycled solution. A mechanical Float Valve, connected to a fresh water supply, will add clean make-up water to the Recycle Tank as required.

When operating the Evaporator while the Chrome Precipitation System is off, be sure not to draw the liquid level in the Clarifier below the pick-up pipe for the Fill Pump. This could result in a Low Level Condition in the Evaporator. Also, do not allow the sludge to build up in the Clarifier to a level where sludge is picked up by the Fill Pump and transferred into the Evaporator.

To initially load Evaporator be sure to open the flow valves on the Wilden M-1 Fill Pump and open the shut-off valves on the air supply pipe. Start-up consists of the following steps:

1. Turn on the **Control Power Switch.**

2. Program the **D15D Temperature Controller** to 212_{o} F (refer to enclosed DM15D Instruction Manual).

3. Turn on the **Air Solenoid Switch.** Note, this unit has an Internal Safety Interlock function that prevents the

Heaters from being activated when this switch is Off. This helps prevent over heating and damage to the heater elements.

4. Turn on the **Blower Switch.**

5. Turn on the **Heater 1** and **Heater 2 Switches**, and press the **Start 1** and **Start 2 Push Button Switches.** Note, this unit is equipped with an Internal Liquid Level Control function that both cycles the Automatic Fill process and shuts off the Heaters in case of a Low Level Condition. Should a low level condition occur, the **Low Level Warning Lights** on the Control Panel shall illuminate. The Heaters can not be reactivated until the low level condition has been corrected, and the **Start Push Button Switches** are pressed.

Shut-down of the Evaporator consists of the reverse of the Start-up procedure, with the exception of programming the DM15D Temperature Controller.

An additional safety function which is built in to the Heaters/Heating System consists of a Protector II Circuit which monitors the temperature of the Heater Tubes. In the event of an Over Temperature Condition, the P-II Circuit will shut off the heaters and sound an alarm. This condition is normally the result of a Low Liquid Level Condition. Once the condition has been corrected and the Heater Tubes have cooled down, the Heaters may be reactivated by pressing the **Start 1** and **Start 2 Push Button Switches.**

After several Fill Cycles have been evaporated, a thick "Salt" laden solution shall collect in the sloped bottom of the Evaporator Tank. When the liquid level in the Evaporator has Almost reached the Fill Cycle Level, this solution should be processed through the Filter Press through the use of the **Evaporator Bottom Drain Valve.** When draining the Evaporator through the Filter Press, be sure to follow the following procedures:

1. Process solution from the Evaporator through the Filter Press after a load of sludge from the Clarifier has been started. **A partially loaded Filter Press is much more effective at stripping the Salts from the Evaporator solution than a clean one.**

2. Allow the solution in the Evaporator to Cool Off to

Ambient prior to opening the Bottom Drain Valve. **Failure to cool the solution can result in damage to both the piping and the Filter Press**.

3. Be sure the Bottom Drain Valves on the Clarifier are **Closed**. **Failure to Close these Valves can cause the solution to equalize between the Evaporator and the Clarifier causing the Evaporator to overflow.**

Chemical Make-up and Maintenance

Reagent chemicals and their make-up are as follows:

1. Mag 50 Magnesium Hydroxide Liquid (as shipped by Hill Bros. Chemical in bulk).

2. Sodium Hydrosulfite Powder - Mix 1/2 Lb.of the powder per Gallon of Water.

3. Sodium Hydroxide 50% Liquid (as shipped by the chemical supplier).

4. Aqua Ben 445L Anionic Polymer Liquid - Mix 1 Gallon of Polymer per 5 Gallons of Water.

Maintenance should consist of the following procedures:

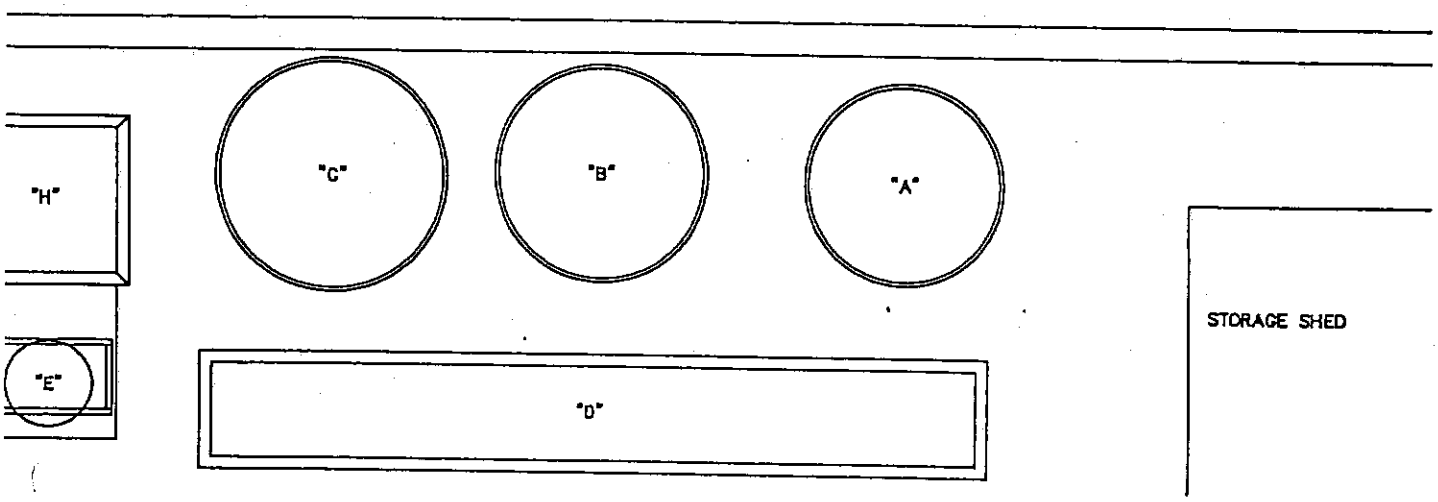
1. Keep the Air Line Lubricators on the Chrome Precipitation System and the Filter Press filled with a Non-Detergent 10W Hydraulic Oil.

2. Clean the Air Line Filters weekly. Do not allow the Compressed Air to build up a water content which will get past the Air Line Filters and into the System Air Line Piping. Should this situation occur, and Air Line Dryer should be installed on the main air line to the System.

3. Lubricate the Gear Reduced Mixers according to the manufacturer recommendation (see enclosed Mix Mor Mixer Service Manuals).

4. Clean and Calibrate the Kruger & Eckels Controller Electrodes at least Quarterly (refer to the enclosed Model 438 Controller Instruction Manuals).

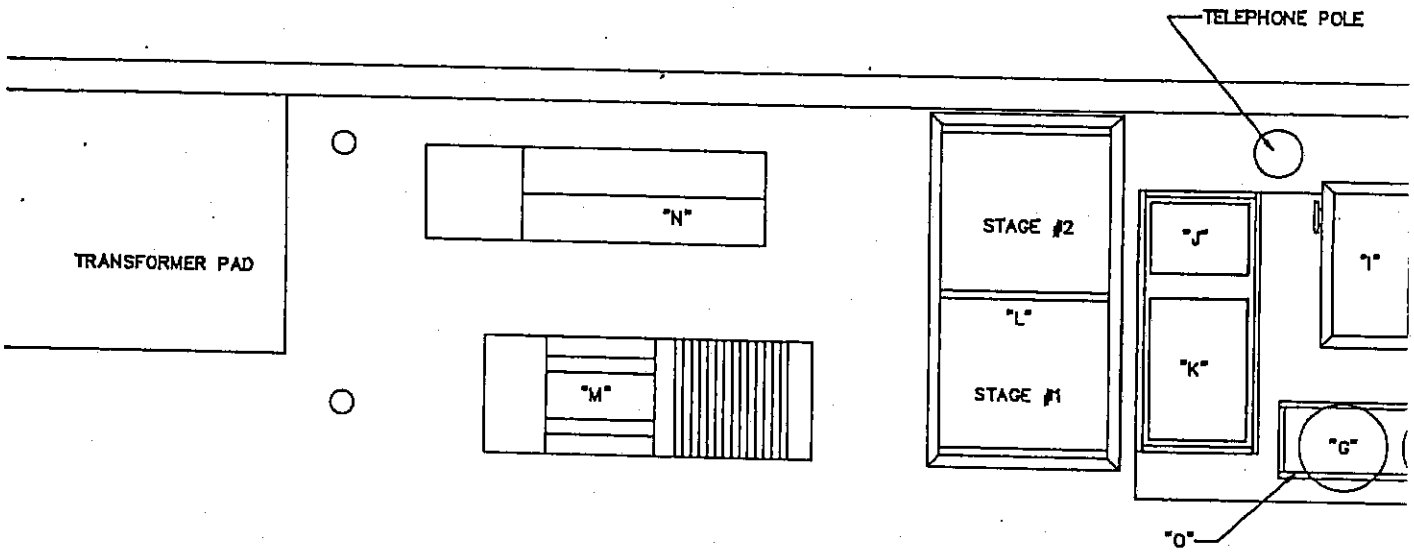
5. For detailed operating and maintenance of the Filter Press, refer to the enclosed Cal Press MC 25 Manual.

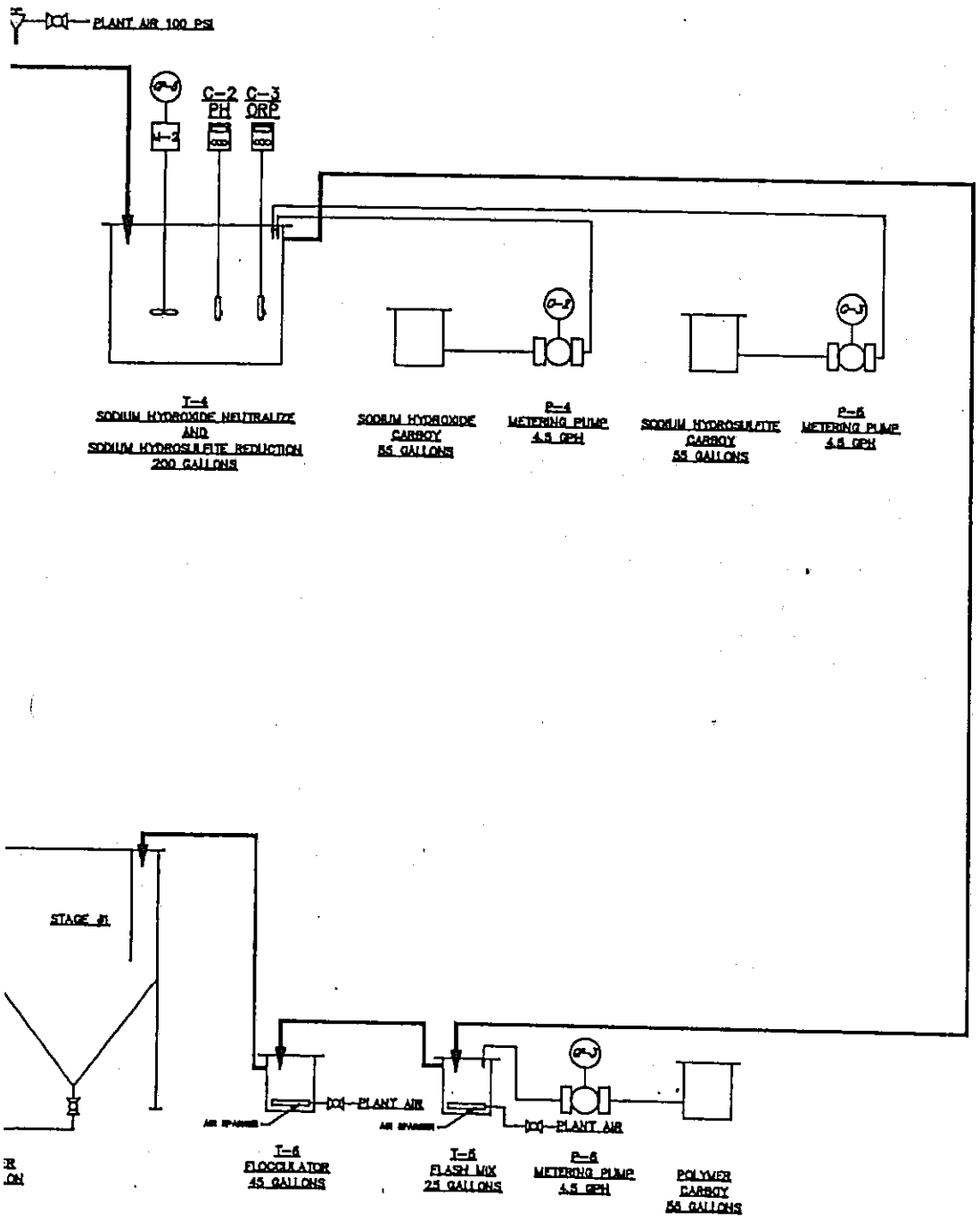


NOTES:

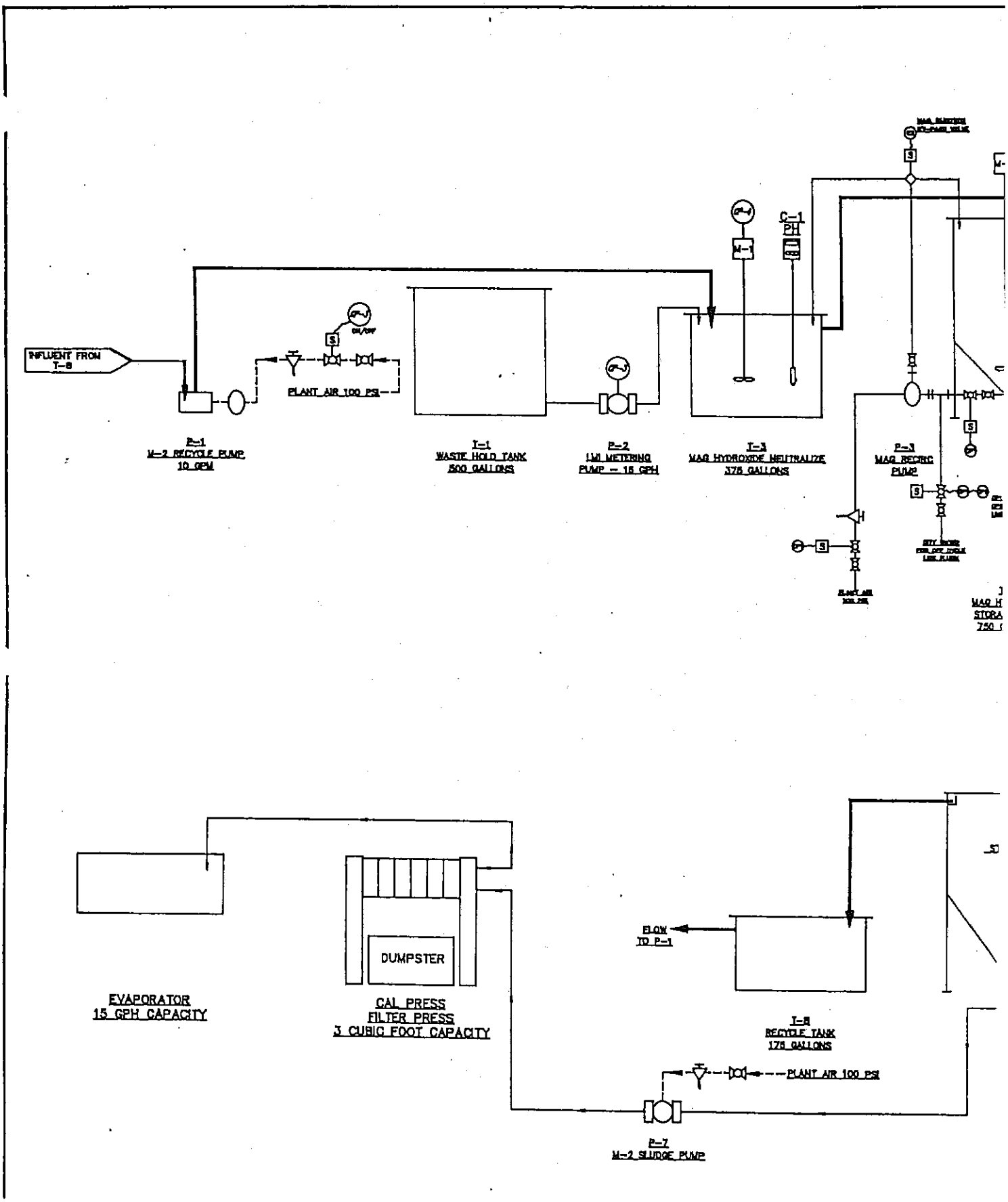
"A" HCL STORAGE (EXISTING)
"B" WASTE HOLD (500 GALLONS)
"C" MAG HYDROXIDE STORAGE (750 GALLON)
"D" CHROME STRIPPER TANK (EXISTING)
"E" CAUSTIC DRUM (55 GALLON)
"F" SODIUM HYDROSULFITE DRUM (55 GALLON)
"G" POLYMER DRUM (55 GALLONS)
"H" MAG HYDROXIDE NEUTRALIZE
"I" CAUSTIC & SODIUM HYDROSULFITE
"J" POLYMER FLASH MIX
"K" FLOCCULATOR
"L" CLARIFIER
CL-3, STAGE #1, 500 GALLON
CL-4, STAGE #2, 500 GALLON
"M" 3 CUBIC FOOT FILTER PRESS
"N" SAMSCO 15 GPH
"O" CONTROL CENTER

NEXT ASSY.	DRAWN D. BUTCHER	DATE 6/30/91	KRC ASSOCIATES INC. 1571 SO. SUNKST, UNIT K ANAHEIM, CA 92806 (714)939-6367
MATERIAL	CHECKED		TITLE GENERAL ARRANGEMENT
FINISH	APPROVED		
	FILE NO. 91570-1		SIZE D DWG. NO. 1181-2 REV. —
			SCALE 1/2" = 1'-0" SHEET 2 OF 2


TELEPHONE POLE
TRANSFORMER PAD
"N"
"M"
STAGE #2
"L"
STAGE #1
"J"
"K"
"I"
"G"
"O"



NEXT ASSY.	D. BUTCHER	5/30/91	KRC ASSOCIATES INC. 1571 SO. SUNKIST, UNIT K ANAHEIM, CA 92806 (714)939-6357
MATERIAL			
FINISH	FILE NO. 91570		TITLE PROCESS & INSTRUMENTATION DIAGRA
			SIZE D · DWG. NO. 1181-1 · REV
			SCALE NO SCALE · SHEET 1 OF 2


INFLUENT FROM T-8
ON/OFF
PLANT AIR 100 PSI
P-1
M-2 RECYCLE PUMP
10 GPM
T-1
WASTE HOLD TANK
500 GALLONS
P-2
1M METERING
PUMP - 15 GPH
T-3
MAG HYDROXIDE NEUTRALIZE
375 GALLONS
M-1
C-1
PH
P-3
MAG RECIRC
PUMP
EVAPORATOR
15 GPH CAPACITY
DUMPSTER
CAL PRESS
FILTER PRESS
3 CUBIC FOOT CAPACITY
FLOW
TO P-1
T-8
RECYCLE TANK
175 GALLONS
PLANT AIR 100 PSI
P-7
M-2 SLUDGE PUMP

CODES OF SAFE PRACTICE - GRINDER ECCOSP1.DOC REV.1

JOB DESCRIPTION:
Pre grind parts before going to plating operation and grind parts to specification after plating operation.

Uses forklift for loading/unloading trucks; moving material and equipment parts; lifting equipment for repairs.

CHEMICALS:
Trim Sol
Refer to MSDS information

SAFETY EQUIPMENT REQUIRED:

Apron if desired
Footwear with substantial soles
Ear Protection where required for prolonged exposure as advised by supervisor.
Safety Glasses with Side Shields when dry or hand grinding and/or sanding.

NO GLOVES AT ANYTIME
Refer to MSDS information for proper safety equipment.

SAFE WORK PRACTICES:

1. Do not start hand tools before being properly instructed.
2. Make sure floors are dry at all times.
3. Clean up all spilled materials or liquid immediately.
4. Maintain equipment in good condition, with all safety guards in place when in operation.
5. Do not distract others while working.
6. Walk, do not run.
7. Be sure you understand all MSDS on the items you encounter.
8. Report any problems with the forklift to the supervisor.
9. Be sure all loads handled are stable.
10. Be alert to ground conditions.
11. Keep forklifts in clean condition.
12. Only authorized maintenance personnel shall work on forklifts.
13. Be aware of activity in the plant work area.
14. Maintain equipment in good condition, with all safety guards in place when in operation.
15. Do not operate any machine without the proper training.
16. Do not wear necktie or loose clothing or jewelry and tie back long hair.

ADDITIONAL CODES OF SAFE PRACTICE TRAINING REQUIRED:

General Training Required:	Fire Prevention
	General
	Good Housekeeping
	Lifting
Specific Training Required:	Forklift
	Fueling
	Hand and Power Tools, Equipment
	Material Handling and Storage

ADDITIONAL TRAINING:
Hazard Communication Program
THIS LISTING OF SAFETY RULES IS NOT INTENDED TO BE ALL INCLUSIVE. AS NEW RULES ARE NEEDED, A REVISED LIST WILL BE PREPARED.

CODES OF SAFE PRACTICE - INSPECTOR

JOB DESCRIPTION:

Inspects throughout dry process to verify production parameters are met by use of micrometers and like devices.

Uses forklift for loading/unloading trucks; moving material and equipment parts; lifting equipment for repairs.

CHEMICALS:
None
Refer to MSDS information sheets.
SAFETY EQUIPMENT REQUIRED:
Footwear with substantial soles
Apron if desired
Safety Glasses with Side Shields if desired
Cotton Gloves if desired
Shop Coat if desired
Refer to MSDS sheets for proper safety equipment

SAFE WORK PRACTICES:
1. Beware of sharp cutting edges on parts.
2. Handle parts carefully not to nick or chip them.
3. Be sure you understand all MSDS on the items you encounter.
4. Be aware of activity in the plant work area.
5. Be aware of excessive heat generated in and around oven and parts in process.
6. Walk to not run.
7. Do not distract others while working.
8. Be aware of the proper safety equipment to be worn when entering areas of the plant.
9. Report any problems with the forklift to the supervisor.
10. Be sure all loads handles are stable.
11. Be alert to ground conditions.
12. Keep forklift in clean condition.
13. Only authorized maintenance personnel shall work on forklifts.
14. Be aware of activity in the plant work area.
15. Maintain equipment in good condition, with all safety guards in place when in operation.
16. Do not operate any machine without the proper training.

ADDITIONAL CODES OF SAFE PRACTICE TRAINING REQUIRED:

General Training Required:	Fire Prevention
	General
	Good Housekeeping
	Lifting
Specific Training Required:	Forklift
	Fueling
	Hand and Power Tools, Equipment
	Material Handling and Storage
	Office
	Plating Tanks

ADDITIONAL TRAINING:
Hazard Communication Program

THIS LISTING OF SAFETY RULES IS NOT INTENDED TO BE ALL INCLUSIVE. AS NEW RULES ARE NEEDED, A REVISED LIST WILL BE PREPARED.

CODES OF SAFE PRACTICE - JANITOR ECCOSP.DOC

JOB DESCRIPTION:
General Sweeping and Cleaning.

Uses forklift for loading/unloading trucks; moving material and equipment parts; lifting equipment for repairs.

CHEMICALS:
Miscellaneous Shop Cleaners, Drizit, Clean Sweep

Refer to MSDS information when working with new chemicals.

SAFETY EQUIPMENT REQUIRED:
Apron if desired
Safety Glasses with Side Shields
Footwear with substantial soles
Rubber or Cotton Gloves as duty requires

Refer to MSDS information for proper safety equipment

SAFE WORK PRACTICES:

1. All contaminated sweepings must be placed in properly labeled hazardous waste containers.
2. Clean up all spilled material or liquid immediately.
3. Be aware of activity in work area.
4. Remove scrap and waste from work area.
5. Be aware of excessive heat generated in and around oven and parts in process.
6. Keep work surfaces dry and slip free.
7. Do not distract others while working.
8. Be sure you understand all MSDS on the items you encounter.
9. Report any problems with the forklift to the supervisor.
10. Be sure all loads handled are stable.
11. Be alert to ground conditions.
12. Keep forklift in clean condition.
13. Only authorized maintenance personnel shall work on forklifts.
14. Be aware of activity in the plant work area.
15. Maintain equipment in good condition, with all safety guards in place when in operation.
16. Do not operate any machine without the proper training.

ADDITIONAL CODES OF SAFE PRACTICE TRAINING REQUIRED:

General Training Required:	Fire Prevention
	General
	Good Housekeeping
	Lifting
Specific Training Required:	Forklift
	Fueling
	Hand and Power Tools, Equipment
	Material Handling and Storage
	Plating Tanks

ADDITIONAL TRAINING:

Hazard Communication Program

THIS LISTING OF SAFETY RULES IS NOT INTENDED TO BE ALL INCLUSIVE. AS NEW RULES ARE NEEDED, A REVISED LIST WILL BE PREPARED.

CODES OF SAFE PRACTICE - MAINTENANCE ECCOSP.DOC

JOB DESCRIPTION:
Repair and maintenance as required for building, equipment and vehicles. Uses forklift for loading/unloading trucks; moving material and equipment parts; lifting equipment for repairs.

CHEMICALS:
Machinery Lubricants
Refer to MSDS information.

SAFETY EQUIPMENT REQUIRED:
Apron if desired
Gloves-Neoprene Elbow Length as job requires.
Eye Protection is ALWAYS required either Safety Glasses with Side Shields or Safety Goggles as job requires.
Footwear with substantial soles
Refer to MSDS information sheets for proper safety equipment.

SAFE WORK PRACTICES:
1. Handle chemicals with extreme care, know your MSDS's.
2. Be aware of all Hazards (eg. hazardous waste & chemicals) to the environment (Air, Water & Soil).
3. Wear your ear plugs when in noisy conditions (eg. using electric grinders, drills, etc).
4. Do not work on any equipment unless turned off or blocked out properly.
5. Be aware of excessive heat generated in and around oven and parts in process.
6. Clean up all spilled material or liquids immediately.
7. Keep work surfaces dry and slip free.
8. Remove scrap and waste from work area immediately.
9. Be aware of activity in the work area.
10. Be sure you understand all MSDS on the items you encounter.
11. Report any problems with the forklift to the supervisor.
12. Be sure all loads handled are stable.
13. Be alert to ground condition.
14. Keep forklift in clean condition.
15. Only authorized maintenance personal shall work on forklifts.
16. Be aware of activity in the plant work area.
17. Maintain equipment in good condition, with all safety guards in place when in operation.
18. Do not operate any machine without the proper training.

ADDITIONAL CODES OF SAFE PRACTICE TRAINING REQUIRED:

General Training Required:	Fire Prevention	Good Housekeeping
	General	Lifting
Specific Training Required:	Electrical	
	Forklift	
	Fueling	
	Hand and Power Tools, Equipment	
	Lockout/Blockout	
	Maintenance	
	Plating Tanks	
	Vehicles	

ADDITIONAL TRAINING:
Hazard Communication Program
THIS LISTING OF SAFETY RULES IS NOT INTENDED TO BE ALL INCLUSIVE. AS NEW RULES ARE NEEDED, A REVISED LIST WILL BE PREPARED.

CODES OF SAFE PRACTICE - OFFICE

JOB DESCRIPTION:

All office procedures.

CHEMICALS:

Copier Toner
White Out
Refer to MSDS information sheets

SAFETY EQUIPMENT REQUIRED:

Proper safety equipment should be worn when in the plant area.
Refer to MSDS information sheets for proper safety equipment.

SAFE WORK PRACTICES:

1. Do not rock back and balance your chair on two legs.
2. Avoid running in the aisles and corridors.
3. Do not read while walking or carrying materials, obstructing your vision can lead to serious collisions.
4. Be aware of cutting blade on paper cutter.
5. Do not use extension cords.
6. Do not open more then one upper file drawer at a time.
7. Use safe lifting practices when moving furniture/equipment.
8. Do not empty cigarette ashtrays in the paper trash cans.
9. Never stand on chairs or desks use ladders.
10. Be aware of shelves and removing material from shelves.
11. Be aware of the proper safety equipment to be worn when entering areas of the plant.

ADDITIONAL CODES OF SAFE PRACTICE TRAINING REQUIRED:

General Training Required:	Fire Prevention
	General
	Good Housekeeping
	Lifting
Specific Training Required:	Fueling
	Office
	Vehicles

ADDITIONAL TRAINING:

Hazard Communication.

THIS LISTING OF SAFETY RULES IS NOT INTENDED TO BE ALL INCLUSIVE. AS NEW RULES ARE NEEDED, A REVISED LIST WILL BE PREPARED.

CODES OF SAFE PRACTICE - OVEN OPERATOR ECCOSP.DOC

JOB DESCRIPTION:

Places parts in oven; closes door; starts oven as per procedure; removes parts from oven; place parts on carts or ground and allow parts to cool; sends to final inspection.

Uses forklift for loading/unloading trucks; moving material and equipment parts; lifting equipment for repairs.

CHEMICALS:
None
Refer to MSDS information when working with new chemicals.

SAFETY EQUIPMENT REQUIRED:
Gloves - Heat Resistant are required when operating oven.
Footwear with substantial soles
Apron
Safety Glasses with Side Shields
Cotton Gloves required when loading oven
Refer to MSDS information for proper safety equipment.

SAFE WORK PRACTICES:
1. Make sure safety equipment is in place before operating oven.
2. Be aware temperature, inside the oven could be 500' F. when the oven is in the off position.
3. Do not touch any part of the oven with your body.
4. When removing parts, do not touch body.
5. Be aware of excessive heat generated in and around oven and parts in process.
7. Follow certified oven operators procedures.
8. Be sure you understand all MSDS on the items you encounter.
9. Report any problems with the forklift to the supervisor.
10. Be sure all loads handles are stable.
11. Be alert to ground conditions.
12. Keep forklift in clean condition.
13. Only authorized maintenance personal shall work on forklifts.
14. Be aware of activity in the plant work area.
15. Maintain equipment in good condition, with all safety guards in place when in operation.
16. Do not operate any machine without the proper training.
17. Be sure oven door is closed at all times (before and after loading).

ADDITIONAL CODES OF SAFE PRACTICE TRAINING REQUIRED:

General Training Required:	Fire Prevention
	General
	Good Housekeeping
	Lifting
Specific Training Required:	Forklift
	Fueling
	Hand and Power Tools, Equipment
	Material Handling and Storage
	Plating Tanks

ADDITIONAL TRAINING:
Hazard Communication Program

THIS LISTING OF SAFETY RULES IS NOT INTENDED TO BE ALL INCLUSIVE. AS NEW RULES ARE NEEDED, A REVISED LIST WILL BE PREPARED.

CODES OF SAFE PRACTICE - PLATER ECCOSP.DOC

JOB DESCRIPTION:
Receives parts from masker; places parts in rack; places parts in process tank and turns on rectifier; shuts off rectifier; removes racks with parts & places into holding tank; unrack parts; rinse & demask parts; rinse again; place in baskets and send to oven.

Uses forklift for loading/unloading trucks; moving material and equipment parts; lifting equipment for repairs.

CHEMICALS:

Chromic Acid	Caustic
Sulfuric Acid	Ammonium Biflouride
Muriatic Acid	Safety Kleen

All Chemicals on MSDS sheets

SAFETY EQUIPMENT REQUIRED:

Eye Protection is required at all times wear Safety Glasses with Side Shields when appropriate and Safety Goggles when adding chemicals to Chrome Tanks and as conditions require.

Neoprene Gloves, Elbow Length, when loading and unloading Chrome Tanks.

Footwear with Substantial Soles

Apron if desired

Refer to MSDS information sheets for proper safety equipment.

SAFE WORK PRACTICES:

1. Beware of Splash Hazards, wash off any chemicals immediately.
2. Know where the closest Safety Shower is to your Job Station.
3. Avoid breathing any fumes.
4. If any fumes are noticed, advise your supervisor immediately.
5. Make sure floors are dry at all times.
6. Make sure rectifiers are off before placing in or removing parts from the plating tanks.
7. Be sure you understand all MSDS information on items you encounter.
8. Report any problems with the forklift to the supervisor.
9. Be sure all loads handled are stable.
10. Be alert to ground conditions.
11. Keep forklift in clean condition.
12. Only authorized maintenance personal shall work on forklifts.
13. Be aware of activity in the plant work area.
14. Maintain equipment in good condition, with all safety guards in place when in operation.
15. Do not operate any machine without the proper training.

ADDITIONAL CODES OF SAFE PRACTICE TRAINING REQUIRED:

General Training Required:	Fire Prevention
	General
	Good Housekeeping
	Lifting
Specific Training Required:	Forklift
	Fueling
	Hand and Power Tools, Equipment
	Maintenance
	Material Handling and Storage
	Plating Tanks

ADDITIONAL TRAINING:

Hazard Communication Program

THIS LISTING OF SAFETY RULES IS NOT INTENDED TO BE ALL INCLUSIVE. AS NEW RULES ARE NEEDED, A REVISED LIST WILL BE PREPARED.

CODES OF SAFE PRACTICE - PLATER HELPER

JOB DESCRIPTION:

GLASS BEAD - Prepares surface for plating by degreasing and removing oil. Clean metal parts with the use of abrasive media.

RACKING - Prepares parts for plating; wraps maskants on part areas not to be plated. Places parts on support hooks or racks. Send parts to the plating area.

TEAR DOWN -Receive plated parts from the Plating Department. Remove parts from racks and remove maskants . Deliver parts to the next department as required.

POLISHING - Polish and finish parts using hand tools to buff and deburr.

Uses forklift for loading/unloading trucks; moving material and equipment parts; lifting equipment for repairs.

CHEMICALS:

MEK
Paraffin Wax
Abrasive Belt
Masking Paint
Masking Tape

ABRASIVES:

Glass Beads
Buffing Compound Oil
Aluminum
Garnet

Refer to MSDS information Sheets

SAFETY EQUIPMENT REQUIRED:

Apron Cotton Gloves when appropriate
Dust Mask when Polishing and Buffing parts or Hand Grinding
Safety Glasses with Side Shields when Polishing and Buffing parts or Hand Grinding
Footwear with substantial soles Rubber Gloves when working with Chrome Tanks and removing parts from racks
Refer to MSDS for proper safety equipment required.

SAFE WORK PRACTICES:

1. Be aware of activity in work area.
2. Keep floors dry and slip free.
3. Caution should be used when using Exacto knives.
4. Remove scrap and waste from work area.
5. Handle racks carefully, watch for sharp edges.
6. Know where the closest safety shower is located.
7. Be sure you understand all MSDS on the items you encounter.
8. Do not buff any item which may catch on wheel.
9. Always engage safety brake before changing wheels or belts.
10. No loose clothing, jewelry, tie back long hair.
11. Do not start hand tools until properly instructed.
12. Do not perform electrical maintenance on equipment.

13. Do not use gloves while changing buff wheels or belts.
14. Beware of sharp cutting edges on sheet steel and foils.
15. Know where the closest eye wash and shower is located.
16. Beware of hot wax tank.
17. Make sure door is shut on blaster before starting.
18. Make sure ventilation unit is running.
19. Replace glove when worn-advise your supervisor.
20. Inspect glove condition prior to start-up.
21. Read and understand MSDS information on the items you encounter.
22. Report any problem with the forklift to the supervisor.
23. Be sure all loads handled are stable.
24. Be alert to ground conditions.
25. Keep forklift in clean conditions.
26. Only authorized maintenance personal shall work on forklifts.
27. Maintain equipment in good condition, with all safety guards in place when in operation.
28. Do not operate any machine without the proper training.

ADDITIONAL CODES OF SAFE PRACTICE TRAINING REQUIRED:

General Training Required:	Fire Prevention
	General
	Good Housekeeping
	Lifting
Specific Training Required:	Forklift
	Fueling
	Hand and Power Tools, Equipment
	Material Handling and Storage
	Plating Tanks

ADDITIONAL TRAINING:

Hazard Communication Program

THIS LISTING OF SAFETY RULES IS NOT INTENDED TO BE ALL INCLUSIVE. AS NEW RULES ARE NEEDED, A REVISED LIST WILL BE PREPARED.

CODES OF SAFE PRACTICE - SHIPPING/RECEIVING

JOB DESCRIPTION:

Receiving material and customer parts to be processed. Coordinate and organize parts to be delivered to customers or other suppliers.

Uses forklift for loading/unloading trucks; moving material and equipment parts; lifting equipment for repairs.

CHEMICALS:

See MSDS Information.

SAFETY EQUIPMENT REQUIRED:

Footwear with substantial soles
Safety Glasses with Side Shields
Cotton Gloves if desired
Refer to MSDS for proper safety equipment required.

SAFE WORK PRACTICES:

1. Be aware of activity in work area.
2. Remove scrap and waste from work area.
3. Keep floor dry and slip free.
4. Be sure material being received has proper packaging.
5. Handle parts carefully not to nick or chip them.
6. Be sure you understand all MSDS on the items you encounter.
7. Report any problems with the forklift to the supervisor.
8. Be sure all loads handled are stable.
9. Be alert to ground conditions.
10. Keep forklift in clean condition.
11. Only authorized maintenance personal shall work on forklifts.
12. Maintain equipment in good condition, with all safety guards in place when in operation.
13. Do not operate any machine without the proper training.

ADDITIONAL CODES OF SAFE PRACTICE TRAINING REQUIRED:

General Training Required:	Fire Prevention
	General
	Good Housekeeping
	Lifting
Specific Training Required:	Forklift
	Fueling
	Hand and Power Tools, Equipment
	Material Handling and Storage
	Plating Tanks

ADDITIONAL TRAINING:

Hazard Communication Program

THIS LISTING OF SAFETY RULES IS NOT INTENDED TO BE ALL INCLUSIVE. AS NEW RULES ARE NEEDED, A REVISED LIST WILL BE PREPARED.

CODES OF SAFE PRACTICE - TRUCK DRIVER ECCOSP.DOC

JOB DESCRIPTION:
Load truck accurately per daily route schedule. Make assigned deliveries and pick-ups in a timely fashion. Conduct self as a courteous representative of Electronic Chrome Co. in all dealings with customers and employees. Notify management of any condition which would render assigned vehicle unsafe or mechanically unsound. Uses forklift for loading/unloading trucks; moving material and equipment parts; lifting equipment for repairs.

CHEMICALS:
See MSDS Information.

SAFETY EQUIPMENT REQUIRED:
Cotton Gloves when loading and unloading trucks
Rubber Gloves when handling chemicals
Footwear with substantial soles
Safety Glasses with Side Shields Substantial Clothing
Refer to MSDS for proper safety equipment required.

SAFE WORK PRACTICES:
1. You are responsible for the safe operation and condition of your truck.
2. Always wear your seat belt and be sure your passengers wear theirs.
3. Always turn your engine off before refueling.
4. No smoking is permitted in the truck.
5. Do not operate any truck with a fuel leak.
6. Always shut your engine off and set brake prior to leaving truck.
7. Be sure your load does not exceed the weight capacity.
8. Do not disengage, remove, or make inoperative any signaling, warning, or safety device on the truck.
9. Make sure to perform or have a Preventive Maintenance Inspection on your truck (see forms provided).
11. Report any problems with the forklift to the supervisor.
12. Be sure all loads handled are stable.
13. Be alert to ground conditions.
14. Keep forklift in clean condition.
15. Only authorized maintenance personnel shall work in forklifts.
16. Be aware of activity in the plant work area.
17. Maintain equipment in good condition, with all safety guards in place when in operation.
18. Do not operate any machine without the proper training.

ADDITIONAL CODES OF SAFE PRACTICE TRAINING REQUIRED:

General Training Required:	Fire Prevention
	General
	Good Housekeeping
	Lifting
Specific Training Required:	Forklift
	Fueling
	Hand and Power Tools, Equipment Maintenance
	Material Handling and Storage
	Vehicles

ADDITIONAL TRAINING:
Hazard Communication Program

THIS LISTING OF SAFETY RULES IS NOT INTENDED TO BE ALL INCLUSIVE. AS NEW RULES ARE NEEDED, A REVISED LIST WILL BE PREPARED.

APPENDIX B

- The Law: Injury and Illness Prevention Program
    - SB 198 as Chaptered
    - SB 198 as Codified in Labor Code §6401.7
- Manager Liability for Serious Workplace Violations
    - AB 2249: Dangerous Business Practices
    - AB 1675: Manslaughter

SENATE BILL No. 198

CHAPTER 1369

An act to add Section 11745 to the Insurance Code, and to amend Sections 3702, 6310, 6318, 6319, 6320, 6354, 6427, 6428, and 6430 of, and to add Sections 6314.1, 6314.5, 6401.7., and 6428.5 to, the Labor Code, relating to occupational safety and health, and declaring the urgency thereof, to take effect immediately.

[Approved by Governor October 2, 1989. Filed with Secretary of State October 2, 1989.]

LEGISLATIVE COUNSEL'S DIGEST

SB 198, B. Greene. Occupational safety and health.

Existing law requires every employer to furnish employment and a place of employment which are safe and healthful for the employees therein, to furnish and use safety devices and safeguards, to adopt and use practices, means, methods, operations, and processes which are reasonably adequate to render the employment and place of employment safe and healthful, and to do every other thing reasonably necessary to protect the life, safety, and health of employees.

This bill would require every employer to establish, implement, and maintain an effective written injury prevention program including specified elements, and to provide specified training of employees in general safe and healthy work practices.

Existing law required the Occupational Safety and Health Standards Board to adopt occupational safety and health standards and orders.

This bill would require the standards board to adopt a standard setting forth the employer's duties with regard to the injury prevention program, including, among other things, requiring an employer and employee occupational health and safety committee with specified duties for specified size and types of employers.

Existing law permits the Director of Industrial Relations to revoke a certificate of consent to self insure under the workers' compensation law at any time for good cause after a hearing.

This bill would also specify that the director may hold a hearing to determine whether good cause exists to revoke an employer's certificate of consent to self-insure if the employer is cited for a willful, or repeat serious violation of the standard relating to the injury prevention program and the citation has become final.

Existing law prohibits an employer from discharging or discriminating against an employee for making complaints, instituting proceedings, or testifying with regard to employee safety or health.

This bill would also prohibit an employer from discharging or discriminating against an employee for participating in an occupational health and safety committee.

Existing law permits the Division of Occupational Safety and Health to investigate any place of employment whenever the division learns or has reason to believe that he place of employment is not safe or is injurious to the welfare of any employee.

This bill would require the director to establish a list of the 100 highest hazard industries in California, and would require the

division to establish and maintain regional plans, as specified, for allocating the division's resources for enforcement activities.

This bill would require that every inspection conducted by the division include an evaluation of the employer's injury prevention program using specified criteria, and to include an evaluation of other specified conditions.

Existing law requires that a copy of each citation issued and each special order or action order be prominently posted at or near each place a violation referred to in the citation or order occurred.

This bill would also provide that when the division verifies abatement of a serious violation or an order at the time of inspection or upon reinspection, the employer shall post a notice prepared by the division so indicating for 3 working days.

Existing law requires the director to promulgate regulations covering the assessment of civil penalties which give due consideration to the appropriateness of the penalty with respect to specified factors.

This bill would provide that notwithstanding the provision, if serious injury, illness, exposure, or death is caused by any serious, willful, or repeated violation, or by failure to correct a serious violation within the time permitted for correction, the penalty shall not be reduced for any reason other than the size of the business of the employer being charged.

Existing law provides that if, after inspection or investigation of a place of employment, the Division of Occupational Safety and Health issues a citation for a serious violation, the division shall conduct a reinspection at the end of the period fixed for abatement of the violation or within a reasonable time thereafter, unless the violation is abated at the time on inspection or investigation.

This bill would, instead, require the division to conduct a reinspection within 45 days in the case of certain serious violations, or a reasonable time in other specified cases, if at the time of inspection the order is not complied with or the violation is not abated in all inspections or investigations involving a serious violation of a standard relating to an injury prevention program, a special order or order to take special action, serious violations of those orders, serious violations characterized as repeat or willful or with abatement periods of less than 6 days, and in at least 20% of the inspections or investigations involving a serious violation not otherwise scheduled for reinspection.

This bill would also require the employer, whenever a serious violation is not abated at the time of inspection, to submit a signed statement that he or she has complied with the abatement terms. The bill would provide that if the statement is not received within 10 working days after the end of the period fixed for abatement, the division shall revoke any adjustments to the civil penalty based on abatement of the violation, and would require the division to conduct a reinspection of a serious violation within 45 days whenever it still has no evidence of abatement.

Existing law requires the division, upon request, to provide a full range of occupational safety and health consulting services to any employer or employee group.

This bill would require these consulting services to include providing assistance in the development of injury prevention programs for employees and employers with the highest priority to be given to

development of programs for businesses with fewer than 250 employees in industries identified in the regional plans.

This bill would impose a state-mandated local program by creating new crimes for violations of specified provisions of the bill.

The California constitution requires the State to reimburse local agencies and school districts for certain costs mandated by the state. Statutory provisions establish procedures for making that reimbursement.

This bill would provide that no reimbursement is required by this act for a specified reason.

This bill would declare that it is to take effect immediately as an urgency statute.

The people of the State of California do enact as follows:

SECTION 1. Section 11745 is added to the Insurance Code, to read:

11745. (a) The commissioner shall, with the assistance of the Director of Industrial Relations and the statistical agent designated pursuant to Section 11751.5, review the losses in at least 50 of the largest classifications and determine, by classification, to the extent possible, the following:

(1) The types and causes of injuries which result in significant proportions of losses.

(2) Whether there are significant differences in the types of injuries which contribute most significantly to losses by employer size and experience modification.

(3) Whether there are health hazards which have produced, or are likely to produce in the future, significant losses.

(4) Investments employers could make which would be effective in reducing the types of injuries causing significant proportions of losses and reducing potentially significant health hazards.

(b) The commissioner shall submit a report to the Governor and the appropriate committees of the Legislature, not later than January 1, 1992, which summarizes the information developed pursuant to this section. The report shall include recommendations concerning methods by which employers could be encourage to make the types of investments identified as potentially effective in significantly reducing workers' compensation losses.

SEC. 2. Section 3702 of the Labor Code is amended to read:

3702. (a) A certificate of consent to self-insure may be revoked by the director at any time for good cause after a hearing. Good cause includes, among other things, the impairment of the solvency of the employer to the extent that there is marked reduction of the employer's financial strength, failure to maintain a security deposit as required by Section 3701, failure to pay assessments of the Self-Insurers' Security Fund, frequent or flagrant violations of state safety and health orders, the failure or inability of the employer to fulfill his or her obligations, or any of the following practices by the employer or his or her agent in charge of the administration of obligations under this division:

(1) Habitually and as a matter of practice and custom inducing claimants for compensation to accept less than the compensation due or making it necessary for them to resort to proceedings against the employer to secure compensation due.

(2) Where liability for temporary disability indemnity is not in

dispute, intentionally failing to pay temporary disability indemnity without good cause in order to influence the amount of permanent disability benefits due.

(3) Intentionally refusing to comply with known and legally indisputable compensation obligations.

(4) Discharging or administering his or her compensation obligations in a dishonest manner.

(5) Discharging or administering his or her compensation obligations in such a manner as to cause injury to the public or those dealing with the employer.

(b) Where revocation is in part based upon the director's finding of marked reduction of the employer's financial strength or the failure or inability of the employer to fulfill his or her obligations, or a practice of discharging obligations in a dishonest manner, it is a condition precedent to the employer's challenge or appeal of the revocation that the employer have in effect insurance against liability to pay compensation.

(c) The director may hold a hearing to determine whether good cause exists to revoke an employer's certificate of consent to self-insure if the employer is cited for a willful, or repeat serious violation of the standard adopted pursuant to Section 6401.7 and the citation has become final.

SEC. 3. Section 6310 of the Labor Code is amended to read:

6310. (a) No person shall discharge or in any manner discriminate against any employee because the employee has done any of the following:

(1) Made any oral or written compliant to the division, other governmental agencies having statutory responsibility for or assisting the division with reference to employee safety or health, his or her employer, or his or her representative.

(2) Instituted or caused to be instituted any proceeding under or relating to his or her rights or has testified or is about to testify in the proceeding or because of the exercise by the employee on behalf of himself, herself, or others of any rights afforded him or her.

(3) Participated in an occupational health and safety committee established pursuant to Section 6401.7.

(b) Any employee who is discharged, threatened with discharge, demoted, suspended, or in any other manner discriminated against in the terms and conditions of employment by his or her employer because the employee has made a bona fide oral or written compliant to the division, other governmental agencies having statutory responsibility for or assisting the division with reference to employee safety or health, his or her employer, or his or her representative, of unsafe working conditions, or work practices, in his or her employment or place of employment, or has participated in an employer-employee occupational health and safety committee, shall be entitled to reinstatement and reimbursement for lost wages and work benefits caused by the acts of the employer. Any employer who willfully refuses to rehire, promote, or otherwise restore an employee or former employee who has been determined to be eligible for rehiring or promotion by a grievance procedure, arbitration, or hearing authorized by law, is guilty of a misdemeanor.

SEC. 4. Section 6314.1 is added to the Labor Code, to read:

6314.1. (a) The director shall establish a list of the 100

highest hazard industries in California. To assess safety hazards and health hazards, the director shall use data from the Workers' Compensation Rating Bureau, the Division of Labor Statistics and Research, and all other appropriate information available in determining which industries shall be included on the list because of safety hazards, health hazards, or both. The list shall be initially established by January 1, 1991, and shall be reviewed, and as necessary revised, biennially.

(b) The division shall establish and maintain regional plans for allocating the Division's resources for enforcement activities in addition to those required or authorized in Sections 6309, 6313, and 6320. Each regional plan shall focus on industries selected from the Director's List of High Hazard Industries in the scheduling of safety inspections and health inspections covered by the plan, as well as on any other scheduled inspections that the division determines are appropriate to the region, including the cleanup of hazardous waste sites. The sizes of business with the greatest degree of hazards within any industry selected for inspection in the regional plan shall be a major criterion in scheduling specific inspections covered by the plan.

(c) In order to maximize the impact of the regional plans, the division shall coordinate its education, training, and consulting services with the priorities establishes in the regional plans.

SEC. 5. Section 6314.5 is added to the Labor Code, to read:

6314.5. (a) Every inspection conducted by the division shall include an evaluation of the employer's injury prevention program established pursuant to Section 6401.7. The division shall evaluate injury prevention programs using the criteria for substantial compliance determined by the standards board. The evaluation shall include interviews with a sample of employees and the members of any employer-employee occupational safety and health committee. In any inspection which includes work for which a permit is required pursuant to Section 6500 and for which a permit has been issued pursuant to Section 6502, the evaluation of the employer's injury prevention program shall be limited to the implementation of the plan approved by the division in the issuance of the permit. Before any inspection is concluded, the division shall notify the employer of the services available from the department to assist the employer to establish, maintain, improve, and evaluate the employer's injury prevention program.

(b) Inspections also shall include an evaluation of the following:

(1) The condition or conditions alleged in the compliant if the inspection is conducted pursuant to Section 6309.

(2) The condition or conditions involved in the accident if the inspection is conducted pursuant to Section 6313.

(3) The condition or conditions involving work for which a permit is required pursuant to Section 6500, for which notification of asbestos related work is required pursuant to Section 6501.5, or for which a report of use of a carcinogen is required pursuant to Section 9030.

(4) The condition or conditions related to significant safety or health hazards in the industries identified in the regional plans developed pursuant to Section 6314.1.

(5) The condition or conditions involved in abatement of previous violations, special orders, or action orders if the inspection is

conducted pursuant to Section 6320.

(c) The scope of any inspection may be expanded beyond the evaluations specified in subdivisions (a) and (b) whenever, in the opinion of the division, a more complete inspection is warranted.

SEC. 6. Section 6318 of the Labor Code is amended to read:

6318. (a) Each citation issued under section 6317, and each special order or action ordered pursuant to Section 6308, or a copy or copies thereof, shall be prominently posted, as prescribed in regulations issued by the director, at or near each place a violation referred to in the citation or order occurred. All postings shall be maintained for three working days, or until the unsafe condition is abated, whichever is longer. Following each investigation of an industrial accident or occupational illness, if no violations are found, the employer shall post a notice prepared by the division so indicating for three working days.

(b) When the division verifies abatement of a serious violation or an order at the time of inspection or upon reinspection, the employer shall post a notice prepared by the division so indicating for three working days. In all other cases of abatement of serious violations, the employer shall post the signed statement confirming abatement prepared pursuant to Section 6320.

SEC. 7. Section 6319 of the Labor Code is amended to read:

6319. (a) If, after an inspection or investigation, the division issues a citation pursuant to Section 6317 or an order pursuant to Section 6308, it shall, within a reasonable time after the termination of the inspection or investigation, notify the employer by certified mail of the citation or order, and that the employer has 15 working days from receipt of the notice within which to notify the appeals board that he or she wishes to contest the citation or order for any reason set forth in Section 6600 or 6600.5.

(b) Any employer served by certified mail with a notice of civil penalty may appeal to the appeals board within 15 working days from receipt of that notice for any reason set forth in Section 6600. If the citation is issued for a violation involving the condition or operation of any machine, device, apparatus, or equipment, and a person other than the employer is obligated to the employer to repair the machine, device, apparatus, or equipment and to pay any penalties assessed against the employer, the other person may appeal to the appeals board within 15 working days of the receipt of the citation by the employer for any reasons set forth in Section 6600.

(c) The director shall promulgate regulations covering the assessment of civil penalties under this chapter which give due consideration to the appropriateness of the penalty with respect to the following factors:

(1) The size of the business of the employer being charged.

(2) The gravity of the violation.

(3) The good faith of the employer, including timely abatement.

(4) The history of previous violations.

(d) Notwithstanding subdivision (c), if serious injury, illness, exposure, or death is caused by any serious, willful, or repeated violation, or by any failure to correct a serious violation within the time permitted for its correction, the penalty shall not be reduced for any reason other than the size of the business of the employer being charged. Whenever the division issues a citation for a violation covered by this subdivision, it shall notify the employer

of its determination that serious injury , illness, exposure or death was caused by the violation and shall, upon request, provide the employer with a copy of the inspection report.

(e) The employer shall not be liable for a civil penalty under this part for any citation issued by a division representative providing consulting services pursuant to Sections 6354 and 6355.

(f) Whenever a citation of a self-insured employer for a willful, or repeat serious violation of the standard adopted pursuant to Section 6401.7 becomes final, the division shall notify the director so that a hearing may be held to determine whether good cause exists to revoke the employer's certificate of consent to self-insure as provided in Section 3702.

(g) Based upon the evidence, the division may propose appropriate modifications concerning the characterization of violations and corresponding modifications to civil penalties as a result thereof.

SEC. 8. Section 6320 of the Labor Code is amended to read:

6320. (a) If, after inspection or investigation, the division issues a special order, order to take special action, or a citation for a serious violation and if at the time of inspection the order is not complied with or the violation is not abated, the division shall conduct a reinspection in the following cases:

(1) All inspections or investigations involving a serious violation of a standard adopted pursuant to Section 6401.7, a special order or order to take special action, serious violations of those orders, and serious violations characterized as repeat or willful or with abatement periods of less than six days. These reinspections shall be conducted at the end of the period fixed for compliance with the order or abatement of the violation or within 30 days thereafter.

(2) At least 20 percent of the inspections or investigations involving a serious violation not otherwise scheduled for reinspection. These inspections shall be randomly selected and shall be conducted at the end of the period fixed for abatement of the violation or within a reasonable time thereafter.

(b) Whenever a serious violation is not abated at the time of the initial or subsequent inspection, the division shall require the employer to submit a signed statement under penalty of perjury that he or she has complied with the abatement terms within the period fixed for abatement of the violation. If the statement is not received by the division within 10 working days after the end of the period fixed for abatement, the division shall revoke any adjustments to the civil penalty based on abatement of the violation. The division shall include on the initial notice of civil penalty a clear warning of reinspection and automatic revocation of any civil penalty adjustments based on abatement for failure to submit the required statement in the time allotted, and of an additional, potentially substantial monetary penalty for failure to abate the violation. If the division fails to receive evidence of abatement or the statement within 10 working days after the end of the abatement period, the division shall notify the employer that the additional civil penalty for failure to abate, as provided in Section 6430, will be assessed retroactive to the end of the abatement period unless the employer can provide sufficient evidence that the violation was abated prior to that date. The division shall conduct a reinspection of serious violations within 45 days following the end of the abatement period

whenever it still has no evidence of abatement.

SEC. 9. Section 6354 of the Labor Code is amended to read:

6354. The division shall, upon request, provide a full range of occupational safety and health consulting services to any employer or employee group. These consulting services shall include providing assistance in the development of injury prevention programs for employees and employers. The highest priority for the division's consulting services shall be given to development of these programs for businesses with fewer than 250 employees in industries identified in the regional plans developed pursuant to subdivision (b) of Section 6314.1. Consulting services also may include, but are not limited to, providing employers or employees with information, advice, and recommendations on maintaining safe employment or place of employment, and on applicable occupational safety and health standards, techniques, devices, methods, practices, or programs.

SEC. 10. Section 6401.7 is added to the Labor Code, to read:

6401.7. (a) Every employer shall establish, implement, and maintain an effective injury prevention program. The program shall be written and shall include, but not be limited to, the following elements:

(1) Identification of the person or persons responsible for implementing the program.

(2) The employer's system for identifying and evaluating workplace hazards, including scheduled periodic inspections to identify unsafe conditions and work practices.

(3) The employer's methods and procedures for correcting unsafe or unhealthy conditions and work practices in a timely manner.

(4) An occupational health and safety training program designed to instruct employees in general safe and healthy work practices and to provide specific instruction with respect to hazards specific to each employee's job assignment.

(5) The employer's system for communicating with employees on occupational health and safety matters, including provisions designed to encourage employees to inform the employer of hazards at the worksite without fear of reprisal.

(6) The employer's system for ensuring that employees comply with safe and healthy work practices, which may include disciplinary action.

(b) The employer shall correct unsafe and unhealthy conditions and work practices in a timely manner based on the severity of the hazard.

(c) The employer shall train all employees when the training program is first established, all new employees, and all employees given a new job assignment, and shall train employees whenever new substances, processes, procedures, or equipment are introduced to the workplace and represent a new hazard, and whenever the employer receives notification of a new or previously unrecognized hazard.

(d) The employer shall keep appropriate records of steps taken to implement and maintain the program.

(e) The standards board shall adopt a standard setting for the employer's duties under this section, on or before January 1, 1991, consistent with the requirements specified in subdivisions (a), (b),(c), and (d). The standards board, in adopting the standard, shall include substantial compliance criteria for use in evaluating an employer's injury prevention program. The board may adopt less

stringent criteria for employers with few employees and for employers in industries with insignificant occupational safety or health hazards.

(f) The standard adopted pursuant to subdivision (e) shall specifically permit employer and employee occupational safety and health committees to be included in the employer's injury prevention program. The board shall establish criteria for use in evaluating employer and employee occupational safety and health committees. The criteria shall include minimum duties, including the following:

(1) Review of the employer's (A) periodic, scheduled worksite inspections, (B) investigation of causes of incidents resulting in injury, illness, or exposure to hazardous substances and (C) investigation of any alleged hazardous condition brought to the attention of any committee member. When determined necessary by the committee, the committee may conduct its own inspections and investigations.

(2) Upon request from the division, verification of abatement action taken by the employer as specified in division citations. If an employer's occupational safety and health committee meets the criteria established by the board, it shall be presumed to be in substantial compliance with paragraph (5) of subdivision (a).

(g) The division shall adopt regulations specifying the procedures for selecting employee representatives for employer-employee occupational health and safety committees when these procedures are not specified in an applicable collective bargaining agreement. No employee or employee organization shall be held liable for any act or omission in connection with a healthy and safety committee.

SEC. 11. Section 6427 of the Labor Code is amended to read:

6427. Any employer who violates any occupational safety or health standard, order, or special order, or Section 25910 of the Health and Safety Code, and the violation is specifically determined not to be of a serious nature, may be assessed a civil penalty of up to one thousand dollars ($1,000) for each violation. Employers who do not have an operative injury prevention program shall receive no adjustment for good faith of the employer or history of previous violations as provided in paragraphs (3) and (4) of subdivision (c) of Section 6319.

SEC. 12. Section 6428 of the Labor Code is amended to read:

6428. Any employer who violates any occupational safety or health standard, order, or special order, or Section 25910 of the Health and Safety Code, if that violation is a serious violation, shall be assessed a civil penalty of up to two thousand dollars ($2,000) for each violation. Employers who do not have an operative injury prevention program shall receive no adjustment for good faith of the employer or history of previous violations as provided in paragraphs (3) and (4) of subdivision (c) of Section 6319.

SEC. 13. Section 6428.5 is added to the Labor Code, to read:

6428.5. An employer's injury prevention program shall be deemed to be operative for the purposes of Sections 6427 and 6428 if it meets the criteria for substantial compliance established by the standards board pursuant to Section 6401.7.

SEC. 14. Section 6430 of the Labor Code is amended to read:

6430. (a) Any employer who fails to correct a violation of any occupational safety or health standard, order, or special order, or Section 25910 of the Health and Safety Code, within the period

permitted for its correction shall be assessed a civil penalty of not more than one thousand dollars ($1,000) for each day during which the failure or violation continues. If the violation is a serious violation, the civil penalty assessed shall be not more than two thousand dollars (2,000) for each day during which the failure or violation continues.

(b) Notwithstanding subdivision (a), for any employer who submits a signed statement affirming compliance with the abatement terms pursuant to Section 6320, and is found upon a reinspection not to have abated the violation, any adjustment to the civil penalty based on abatement shall be rescinded and the additional civil penalty assessed for failure to abate shall not be adjusted for good faith of the employer or history o previous violations as provided in paragraphs (3) and (4) of subdivision (c) of Section 6319.

SEC. 15. No reimbursement is required by this act pursuant to Section 6 of Article XIII B of the California Constitution because the only costs which may be incurred by a local agency or school district will be incurred because this act creates a new crime or infraction, changes the definition of a crime or infraction, changes the penalty for a crime or infraction, or eliminates a crime or infraction. Notwithstanding Section 17580 of the Government Code, unless otherwise specified in this act, the provisions of this act shall become operative on the same date that the act takes effect pursuant to the California Constitution.

SEC. 16. This act is an urgency statute necessary for the immediate preservation of the public peace, health, or safety within the meaning of Article IV of the Constitution and shall go into immediate effect. The facts constituting the necessity are: In order to provide needed protection for California workers as soon as possible by requiring reinspections of a place of employment by the Division of Occupational Safety and Health under specified circumstances, it is necessary for this act to take effect immediately.

CHAPTER 3. RESPONSIBILITIES AND DUTIES OF EMPLOYERS AND EMPLOYEES

Section
6401.7. Injury prevention programs. [New]

§ 6401.7. Injury prevention programs

(a) Every employer shall establish, implement, and maintain an effective injury prevention program. The program shall be written and shall include, but not be limited to, the following elements:

(1) Identification of the person or persons responsible for implementing the program.

(2) The employer's system for identifying and evaluating workplace hazards, including scheduled periodic inspections to identify unsafe conditions and work practices.

(3) The employer's methods and procedures for correcting unsafe or unhealthy conditions and work practices in a timely manner.

(4) An occupational health and safety training program designed to instruct employees in general safe and healthy work practices and to provide specific instruction with respect to hazards specific to each employee's job assignment.

(5) The employer's system for communicating with employees on occupational health and safety matters, including provisions designed to encourage employees to inform the employer of hazards at the worksite without fear of reprisal.

(6) The employer's system for ensuring that employees comply with safe and healthy work practices, which may include disciplinary action.

(b) The employer shall correct unsafe and unhealthy conditions and work practices in a timely manner based on the severity of the hazard.

(c) The employer shall train all employees when the training program is first established, all new employees, and all employees given a new job assignment, and shall train employees whenever new substances, processes, procedures, or equipment are introduced to the workplace and represent a new hazard, and whenever the employer receives notification of a new or previously unrecognized hazard.

(d) The employer shall keep appropriate records of steps taken to implement and maintain the program.

(e) The standards board shall adopt a standard setting forth the employer's duties under this section, on or before January 1, 1991, consistent with the requirements specified in subdivisions (a), (b), (c), and (d). The standards board, in adopting the standard, shall include substantial compliance criteria for use in evaluating an

employer's injury prevention program. The board may adopt less stringent criteria for employers with few employees and for employers in industries with insignificant occupational safety or health hazards.

(f) The standard adopted pursuant to subdivision (e) shall specifically permit employer and employee occupational safety and health committees to be included in the employer's injury prevention program. The board shall establish criteria for use in evaluating employer and employee occupational safety and health committees. The criteria shall include minimum duties, including the following:

(1) Review of the employer's (A) periodic, scheduled worksite inspections, (B) investigation of causes of incidents resulting in injury, illness, or exposure to hazardous substances, and (C) investigation of any alleged hazardous condition brought to the attention of any committee member. When determined necessary by the committee, the committee may conduct its own inspections and investigations.

(2) Upon request from the division, verification of abatement action taken by the employer as specified in division citations.
If an employer's occupational safety and health committee meets the criteria established by the board, it shall be presumed to be in substantial compliance with paragraph (5) of subdivision (a).

(g) The division shall adopt regulations specifying the procedures for selecting employee representatives for employer-employee occupational health and safety committees when these procedures are not specified in an applicable collective bargaining agreement. No employee or employee organization shall be held liable for any act or omission in connection with a health and safety committee.

(Added by Stats.1989,c. 1369, § 10, eff. Oct. 2, 1989.)

Assembly Bill No. 2249

CHAPTER 1616

An act to add Section 387 to the Penal Code, relating to crime.

[Approved by Governor September 30, 1990. Filed with Secretary of State September 30, 1990.]

LEGISLATIVE COUNSEL'S DIGEST

AB 2249, Friedman. Crime: dangerous business practices.

Under existing law, a corporation may be civilly liable for damages caused by dangerous products or business practices. Under existing law, various regulatory statutes require disclosures regarding safety hazards.

This bill would provide that a corporation or person who is a manager with respect to a product, facility, equipment, process, place of employment, or business practice, is guilty of a misdemeanor or felony, if the corporation or manager has actual knowledge of a serious concealed danger that is subject to the regulatory authority of an appropriate agency and is associated with that product or a component of that product or business practice and knowingly fails to inform the Division of Occupational Safety and Health and warn its affected employees, as specified.

Because the bill would create new crimes, it would impose a state-mandated local program.

The California Constitution requires the state to reimburse local agencies and school districts for certain costs mandated by the state. Statutory provisions establish procedures for making that reimbursement.

This bill would provide that no reimbursement is required by this act for a specified reason.

The people of the State of California do enact as follows:

SECTION 1. This act shall be known and may be cited as the California Corporate Criminal Liability Act of 1989.

SEC. 2. Section 387 is added to the Penal Code, to read:

387. (a) Any corporation, or person who is a manager with respect to a product, facility, equipment, process, place of employment, or business practice, is guilty of a public offense punishable by imprisonment in the county jail for a term not exceeding one year, or by a fine not exceeding ten thousand dollars ($10,000), or by both that fine and imprisonment; or by imprisonment in the state prison for 16 months, two, or three years, or by a fine not exceeding twenty-five thousand dollars ($25,000); or by both that fine and imprisonment, but is the defendant is a corporation the fine shall not exceed one million dollars ($1,000,000), if that corporation or person does all of the following:

(1) Has actual knowledge of a serious concealed danger that is subject to the regulatory authority of an appropriate agency and is associated with that product or a component of that product or a component of that product or business practice.

(2) Knowingly fails during the period ending 15 days after the actual knowledge is acquired, or if there is imminent risk of great bodily harm or death, immediately, to do both of the following:

(A) Inform the Division of Occupational Safety and Health in the Department of Industrial Relations in writing, unless the corporation or manager has actual knowledge that the division has been so informed.

Where the concealed danger reported pursuant to this paragraph is subject to the regulatory authority of an agency other than the Division of Occupational Safety and Health in the Department of Industrial Relations, it shall be the responsibility of the Division of Occupational Safety and Health in the Department of Industrial Relations, within 24 hours of receipt of the information, to telephonically notify the appropriate government agency of the hazard, and promptly forward any written notification received.

(B) Warn its affected employees in writing, unless the corporation or manager has actual knowledge that the employees have been so warned.

The requirement for disclosure is not applicable if the hazard is abated within the time prescribed for reporting, unless the appropriate regulatory agency nonetheless requires disclosure by regulation.

Where the Division of Occupational Safety and Health in the Department of Industrial Relations was not notified, but the corporation or manager reasonably and in good faith believed that they were complying with the notification requirements of this section by notifying another government agency, as listed in paragraph (8) of subdivision (d), no penalties shall apply.

(b) As used in this section:

(1) "Manager" means a person having both of the following:

(A) Management authority in or as a business entity.

(B) Significant responsibility for any aspect of a business which includes actual authority for the safety of a product or business practice or for the conduct of research or testing in connection with a product or business practice.

(2) "Product" means an article of trade or commerce or other item of merchandise which is a tangible or an intangible good, and includes services.

(3) "Actual knowledge," used with respect to a serious concealed danger, means has information that would convince a reasonable person in the circumstances in which the manager is situated that the serious concealed danger exists.

(4) "Serious concealed danger," used with respect to a product or business practice, means that the normal or reasonably foreseeable use of, or the exposure of an individual to, the product or business practice creates a substantial probability of death, great bodily harm, or serious exposure to an individual, and the danger is not readily apparent to an individual who is likely to be exposed.

(5) "Great bodily harm" means a significant or substantial physical injury.

(6) "Serious exposure" means any exposure to a hazardous substance, when the exposure occurs as a result of an incident or exposure over time and to a degree or in an amount sufficient to create a substantial probability that death or great bodily harm in the future would result from the exposure.

(7) "Warn its affected employees" means give sufficient description of the serious concealed danger to all individuals working for or in the business entity who are likely to be subject to the serious concealed danger in the course of that work to make those

individuals aware of that danger.

(8) "Appropriate government agency" means an agency on the following list that has regulatory authority with respect to the product or business practice and serious concealed dangers of the sort discovered:

(A) The Division of Occupational Safety and Health in the Department of Industrial Relations.

(B) State Department of Health Services.

(C) Department of Agriculture.

(D) County departments of health.

(E) The United States Food and Drug Administration.

(F) The United States Environmental Protection Agency.

(G) The National Highway Traffic Safety Administration.

(H) The Federal Occupation Safety and Health Administration.

(I) The Nuclear Regulatory Commission.

(J) The Consumer Product Safety Commission.

(K) The Federal Aviation Administration.

(L) The Federal Mine Safety and Health Review Commission.

(c) Notification received pursuant to this section shall not be used against any manager in any criminal case, except a prosecution for perjury or for giving a false statement.

SEC. 3.. No reimbursement is required by this act pursuant to Section 6 of Article XIII B of the California Constitution because the only costs which may be incurred by a local agency or school district will be incurred because this act creates a new crime or infraction, changes the definition of a crime or infraction, changes the penalty for a crime or infraction, or eliminates a crime or infraction. Notwithstanding Section 17580 of the Government Code, unless otherwise specified in this act, the provisions of this act shall become operative on the same date that the act takes effect pursuant to the California Constitution.

Assembly Bill No. 1675
CHAPTER 1384

An act to amend Sections 6425 and 6432 of the Labor Code, relating to occupational safety.

[Approved by Governor September 26, 1990. Filed with Secretary of State September 28, 1990.]

LEGISLATIVE COUNSEL'S DIGEST

AB 1675, Friedman. Safety Standards: penalties.

Existing law imposes specified penalties on any employer and specified employees convicted of a willful violation of any occupational safety or health orders, or a specified provision of law, which causes death or permanent impairment to an employee.

This bill would make a technical change in this provision.

Existing law expressly does not prohibit a prosecution for manslaughter rather than under the above provisions for the death of an employee, but prohibits prosecution for manslaughter and a violation of these provisions for the same act or omission.

This bill would delete the provision which expressly does not prohibit a prosecution under the above provisions for the death of an employee, and would delete the prohibition against a prosecution for manslaughter and a violation of these statutes for the same act or omission.

Existing law defines what constitutes a serious violation of occupational safety or health standards.

This bill would further clarify this definition.

The people of the State of California do enact as follows:

SECTION 1. Section 6425 of the Labor Code is amended to read:

6425. Every employer, and every employee having direction, management, control, or custody of any employment, place of employment, or other employee, who willfully violates any occupational safety or health standard, order, or special order, or Section 25910 of the Health and Safety Code, and that violation caused death to any employee, or caused permanent or prolonged impairment of the body of any employee, shall, upon conviction, be punished by a fine of not more than ten thousand dollars ($10,000), by imprisonment for not more than six months, or by both; except that if the conviction is for a violation committed after a first conviction of that person, punishment shall be by a fine not to exceed twenty thousand dollars ($20,000) by imprisonment for not more than one year, or by both. Nothing in this section shall prohibit a prosecution under Section 192 of the Penal Code.

SEC. 2. Section 6432 of the Labor Code is amended to read:

6432. (a) As used in this part, a "serious violation" shall be deemed to exist in a place of employment if there is a substantial probability that death or serious physical harm could result from a serious exposure exceeding an established permissible exposure limit or a condition which exists, or from one or more practices, means, methods, operations, or processes which have been adopted or are in use, in the place of employment unless the employer did not, and could not with the exercise of reasonable diligence, know of the

presence of the violation.

(b) As used in this section, "substantial probability" refers not to the probability that an accident or exposure will occur as a result of the violation, but rather to the probability that death or serious physical harm will result assuming an accident or exposure occurs as a result of the violation.

APPENDIX C

TITLE 8. Industrial Relations
Division 1. Department of Industrial Relations
Chapter 4. Division of Industrial Safety

Injury and Illness Prevention Program
Standard

- §3203 General Industry Safety Order
- Other Safety Orders

TITLE 8. Industrial Relations
Division 1. Department of Industrial Relations
Chapter 4. Division of Industrial Safety

Subchapter 7. General Industry Safety Orders
Section 3203. Accident Prevention Program

(a) Effective July 1, 1991, every employer shall establish, implement and maintain an effective Injury and Illness Prevention Program. The Program shall be in writing and shall, at a minimum:

(1) Identify the person or persons with authority and responsibility for implementing the Program.

(2) Include a system for ensuring that employees comply with safe and healthy work practices. Substantial compliance with this provision includes recognition of employees who follow safe and healthy work practices, training and retraining programs, disciplinary actions, or any other such means that ensures employee compliance with safe and healthy work practices.

(3) Include a system for communicating with employees in a form readily understandable by all affected employees on matters relating to occupational safety and health, including provisions designed to encourage employees to inform the employer of hazards at the worksite without fear of reprisal. Substantial compliance with this provision includes meetings, training programs, posting, written communications, a system of anonymous notification by employees about hazards , labor/management safety and health committees, or any other means that ensures communication with employees. Exception: Employers having fewer than 10 employees shall be permitted to communicate to and instruct employees orally in general safe work practices with specific instructions with respect to hazards unique to the employees' job assignments as compliance with Section (a)(3).

(4) Include procedures for identifying and evaluating work place hazards including scheduled periodic inspections to identify unsafe conditions and work practices. Inspections shall be made to identify and evaluate hazards:

(A) When the Program is first established:

Exception: Those employers having in place on July 1, 1991, a written Injury and Illness Prevention Program complying with previously existing Section 3203.

(B) Whenever new substances, processes, procedures, or equipment are introduced to the work place that represent a new occupational safety and health hazard; and

(C) Whenever the employer is made aware of a new or previously unrecognized hazard.

(5) Include a procedure to investigate occupational injury or occupational illness.

(6) Include methods and/or procedures for correcting unsafe or unhealthy conditions, work practices and work procedures in a timely manner based on the severity of the hazard:

(A) When observed or discovered; and,

(B) When an imminent hazard exists which cannot be immediately abated without endangering employee(s) and/or property, remove all exposed personnel from the area except those necessary to correct the existing condition. Employees necessary to correct the hazardous condition shall be provided the necessary safeguards.

(7) Provide training and instruction:

(A) When the program is first established; Exception: Employers having in place on July 1, 1991, a written Injury and Illness Prevention Program complying with the previously existing accident prevention program in section 3203.

(B) To all new employees:

(C) To all employees given new job assignments for which training has not previously been received;

(D) Whenever new substances, processes, procedures or equipment are introduced to the work place and represent a new hazard;

(E) Whenever the employer is made aware of a new or previously unrecognized hazard; and

(F) For supervisors to familiarize them with the safety and health hazards to which employees under their immediate direction and control may be exposed.

(b) Records of the steps taken to implement and maintain the Program shall include:

(1) Records of scheduled and periodic inspections required by subsection (a)(4) to identify unsafe conditions and work practices, including person(s) conducting the inspection, the unsafe conditions and work practices that have been identified and action taken to correct the identified unsafe conditions and work practices. These records shall be maintained for three (3) years; and

Exception: Employers with fewer than 10 employees may elect to maintain the inspection records only until the hazard is corrected.

(2) Documentation of safety and health training required by subsection (a)(7) for each employee, including employee name or other identifier, training dates, type(s) of training, and training providers. This documentation shall be maintained for three (3) years.

Exception No. 1: Employers with fewer than 10 employees can substantially comply with the documentation provision by maintaining a log of instructions provided to the employee with respect to the hazards unique to the employees job assignment when first hired or assigned new duties.

Exception No. 2: Training records of employees who have worked for less than one (1) year for the employer need not be retained beyond the term of employment if they are provided to the employee upon termination of employment.

(c) Employers who elect to use a labor/management safety and health committee to comply with the communication requirements of subsection (a)(3) of this section shall be presumed to be in substantial compliance with subsection (a)(3) if the committee:

(1) Meets regularly, but not less than quarterly;

(2) Prepares and makes available to the affected employees, written records of the safety and health issues discussed at the committee meetings and, maintained for review by the Division upon request;

(3) Reviews results of the periodic, scheduled worksite inspections;

(4) Reviews investigations of occupational accidents and causes of incidents resulting in occupational injury, occupational illness, or exposure to hazardous substances and, where appropriate, submits suggestions to management for the prevention of future incidents;

(5) Reviews investigations of alleged hazardous conditions brought to the attention of any committee member. When determined necessary by the committee, the committee may conduct its own inspection and investigation to assist in remedial solutions;

(6) Submits recommendations to assist in the evaluation of employee safety suggestions; and

(7) Upon request from the Division, verifies abatement action taken by the employer to abate citations issued by the Division.

NOTE: Authority cited: Sections 142.3 and 6401.7, Labor Code. Reference: Sections 142.3 and 6401.7, Labor Code.

TITLE 8. Industrial Relations
Division 1. Department of Industrial Relations
Chapter 4. Division of Industrial Safety

Subchapter 4. Construction Safety Orders
Article 3. General
Section 1509. Accident-Prevention Program

(a) Every employer shall establish, implement and maintain an effective Injury and Illness Prevention Program in accordance with Section 3203 of the General Industry Safety Orders.

(b) Every employer shall adopt a written Code of Safe Practices which relates to the employer's operations. The Code shall contain language equivalent to the relevant parts of Plate A-3 of the Appendix.

(c) The Code of Safe Practices shall be posted at a conspicuous location at each job site office or be provided to each supervisory employee who shall have it readily available.

(d) Periodic meetings of supervisory employees shall be held under the direction of management for the discussion of safety problems and accidents that have occurred.

(e) Supervisory employees shall conduct "toolbox" or "tailgate" safety meetings, or equivalent with their crews at least every 10 working days to emphasize safety.

NOTE: Authority cited: Sections 142.3 and 6401.7, Labor Code. Reference: Sections 142.3 and 6401.7, Labor Code.

TITLE 8. Industrial Relations
Division 1. Department of Industrial Relations
Chapter 4. Division of Industrial Safety

Subchapter 14. Petroleum Safety Orders-Drilling and Production
Article 3. Accident
Section 6507. Safety Training and Instruction

Every employer shall establish, implement and maintain an effective Injury and Illness Prevention Program in accordance with Section 3203 of the General Industry Safety Orders.

NOTE: Authority: Sections 142.3 and 6401.7, Labor Code, Reference: Sections 142.3 and 6401.7, Labor Code.

TITLE 8. Industrial Relations
Division 1. Department of Industrial Relations
Chapter 4. Division of Industrial Safety

Subchapter 15. Petroleum Safety Orders-Refining, Transportation and Handling
Acticle 3. Accident Prevention Program
Section 6760. Safety Training and Instruction

(a) Every employer shall establish, implement and maintain an effective Injury and Illness Prevention Program in accordance with Section 3203 of the General Industry Safety Orders.

NOTE: Authority: Sections 142.3 and 6401.7, Labor Code, Reference: Sections 142.3 and 6401.7, Labor Code.

TITLE 8. Industrial Relations
Division 1. Department of Industrial Relations
Chapter 4. Division of Industrial Safety

Subchapter 18. Ship Building, Ship Repairing, and Ship Breaking Safety Orders
Article 1. Introduction
Section 8350. Safety Program

All employers shall establish, implement and maintain an effective Injury and Illness Prevention Program in accordance with Section 3203 of the General Industry Safety Orders.

(a) A written Code of Safe Practices similar to those contained in Appendix A shall be developed, implemented and posted in a conspicuous location, and issued to each employee.

NOTE: Authority: Sections 142.3 and 6401.7, Labor Code, Reference: Sections 142.3 and 6401.7, Labor Code.

TITLE 8. Industrial Relations
Division 1. Department of Industrial Relations
Chapter 4. Division of Industrial Safety

Subchapter 20. Tunnel Safety Orders
Article 3. Accident Prevention Program
Section 8406. General Provisions

Every employer shall establish, implement and maintain an effective Injury and Illness Prevention Program in accordance with Section 3203 of the General Industry Safety Orders and the following:

(a) All safety suggestions shall be given prompt consideration by the employer and a written record shall be maintained for the duration of the underground work and made available to the Division upon request.

(b) The adoption and use of a code of safe practices and procedures for the operations similar to the safe practices code in Appendix A of these orders.

(c) Copies of such code shall be available at the job site for inspection by workers or the division.

(d) The employer shall hold meetings at least once each month with supervisory personnel and foremen for a discussion of safety problems and accidents that have occurred. Records of such meetings shall be kept, stating the meeting date, time, place, supervisory personnel present, subjects discussed and corrective action taken, if any.

(e) Supervisory personnel shall conduct "toolbox" or "tailgate" safety meetings with their crews at least weekly on the job to emphasize safety. A record of all meetings shall be logged and maintained for inspection by the Division.

(f) The employer shall designate a competent safety representative experienced in heavy construction, certified by the Division, with the responsibility of administering the safety program. He shall institute action to correct unsafe conditions and unsafe practices. Workmen hired as first-aid men will not necessarily meet these requirements. The Division may require a full-time safety representative.

NOTE: Authority cited: Sections 142.3 and 6401.7, Labor Code. Reference: Sections 142.3 and 6401.7, Labor Code.

116Q-007 5/29/91
+ SYM SB198TBL

APPENDIX D

Selected Tables:

California Work Injuries and Illnesses 1989

(Division of Labor Statistics and Research,
California Department of Industrial Relations,
in cooperation with the
U.S. Department of Labor Bureau of Labor Statistics)

Table of Contents

Table 8 - Nature of Injury or Illness, Number and % of Total

13 - Accident Type, Number and % of Total

23 - Weekly Wage or Injured or Ill Worker

24 - By Length of Service

B - Types of Work-Related Fatalities

C - Work-Related Fatalities by Industry

D - Work-Related Fatalities by Occupation

3 - Industry - By Nature of Injury

4 - Industry - By Accident Type

TABLE 8 - Disabling Nonfatal Work Injuries and Illnesses
Nature of injury or illness, Number and Percent of Total
CALIFORNIA, 1989

Nature of Injury or Illness	Number	Percent
Total	430,408	100.0
Strains, sprains, dislocations, hernias	208,236	48.4
Cuts, lacerations, punctures	58,312	13.5
Contusions and crushing injuries	42,966	10.0
Occupational illnesses	29,564	6.9
Anxiety reactions and other mental disorders	7,706	1.8
Systemic poisoning	3,962	0.9
Dermatitis	3,506	0.8
Inflammation or irritation of bones, joints, tendons, or muscles (not the result of a single traumatic event)	2,010	0.5
Conditions of the circulatory system	1,966	0.5
Infective or parasitic diseases	1,476	0.3
Radiation effects	1,028	0.2
Carpal tunnel syndrome	980	0.2
Other occupational illnesses	6,930	1.6
Fractures	28,580	6.6
Scratches, abrasions	16,564	3.8
Burns and scalds	9,518	2.2
Concussion	1,984	0.5
Amputations	722	0.2
Other occupational injuries	3,690	0.9
Nature not stated	30,272	7.0

NOTE: Percentages may not add to 100.0 due to rounding.

TABLE 13 - Disabling Nonfatal Work Injuries and Illnesses
Accident Type, Number and Percent of Total
CALIFORNIA, 1989

Accident Type	Number	Percent
Total	430,408	100.0
Overexertion	130,102	30.2
Struck by or struck against	112464	26.1
Falls on same level	40,208	9.3
Bodily reaction	37,180	8.6
Falls from elevation	25,226	5.9
Caught in, under or between	18,082	4.2
Contact with radiation, caustic, toxic or noxious substances	15,118	3.5
Highway motor vehicle accidents	12,674	2.9
Rubbed or abraded	7,664	1.8
Contact with temperature extremes	7,488	1.7
Nonhighway motorized vehicle and equipment accidents	1,900	0.4
Explosions or flareback	824	0.2
Contact with electric current	616	0.1
Transportation accidents, other than motor vehicles	454	0.1
Exposure to noise	230	0.1
Other and not stated	20,178	4.7

NOTE: Percentages may not add to 100.0 due to rounding.

SYM-SB198T23

TABLE 23 - Disabling Nonfatal Work Injuries and Illnesses by Weekly Wage of Injured or Ill Worker CALIFORNIA, 1989

Weekly Wage	Number	Percent
Total	372,222	100.0
Below $150	21,596	5.8
$150 - $199	32146	8.6
$200 - $249	49,176	13.2
$250 - $299	39,006	10.5
$300 - $349	38,714	10.4
$350 - $399	30,706	8.2
$400 - $449	31,194	8.4
$450 - $499	23,358	6.3
$500 - $549	21,664	5.8
$550 - $649	36,352	9.8
$650 and above	48,310	13.0

NOTE: Percentages may not add to 100.0 due to rounding.

* Excludes 58,186 cases in which wage data were unavailable or insufficient to convert to weekly rates. The assumption is made that these cases are distributed in the same porportion as the above groups.

SYM-SB198T24

TABLE 24 - Disabling Nonfatal Work Injuries and Illnesses
by Lenght of Service
CALIFORNIA, 1989

Length of Service	Number	Percent
Total	393,012	100.0
Less than one year	170,928	43.5
Less than one month	35584	9.1
1 month	24,574	6.3
2 months	19,728	5.0
3 months	16,340	4.2
4-6 months	35,816	9.1
7-11 months	38,886	9.9
1-2 years	85,236	21.7
3-5 years	50,944	13.0
6-10 years	41,712	10.6
11-20 years	33,140	8.4
Over 20 years	11,052	2.8

NOTE: Percentages may not add to 100.0 due to rounding.

TABLE B - TYPES OF WORK-RELATED FATALITIES
CALIFORNIA, 1989

SYM-SB198T-

CATEGORY	FATALITIES DETERMINED BY *DLSR TO BE WORK-RELATED, REGARDLESS OF YEAR OF DEATH		FATALITIES WHICH OCCURED DURING THE YEAR	
	NUMBER	PERCENT	NUMBER	PERCENT
Total	382	100.0	229	100.0
NOT SUBJECT TO SAFETY ORDERS	215	56.3	111	48.5
Highway vehicle accidents	123	32.2	73	31.9
Cardiovascular cases	37	9.7	2	0.9
Assaults, shooting and stabbings	35	9.2	25	10.9
Aircraft accidents	16	4.2	11	4.8
Sucides	4	1.0	0	0.0
* "STANDARDS RELATED"	167	43.7	118	51.5
Falls from elevation	29	7.6	19	8.3
Tractor, industrial vehicle, earth-moving and heavy construction equipment accidents	21	5.5	16	7.0
Contact with electrical current	17	4.5	11	4.8
Caught in collapsing materials	16	4.2	15	6.6
Struck by falling objects	13	3.4	11	4.8
Caught in machines or other mechanical apparatus	11	2.9	9	3.9
Explosions	9	2.4	5	2.2
Accidents involving hoisting apparatus	8	2.1	7	3.1
Confined spaces	8	2.1	6	2.6
Contact with radiation, caustic, toxic or noxious substances	8	2.1	1	0.4
Drowning	7	1.8	4	1.7
Struck by objects, n.e.c.	4	1.0	2	0.9
Contact with hot substances or objects	3	0.8	2	0.9
Struck by or against machines or other mechnical parts	2	0.5	2	0.9
Others	11	2.9	8	3.5

* DIVISION OF LABOR STATISTICS AND RESEARCH
NOTE: Percentages may not add to 100.0 due to rounding.

* These cases are presumed to be associated with California Safety Order violations.

TABLE C - WORK-RELATED FATALITIES
BY INDUSTRY, CALIFORNIA, 1989

SYM-SB198T-C

INDUSTRY	FATALITIES DETERMINED BY *DLSR TO BE WORK-RELATED, REGARDLESS OF YEAR OF DEATH		FATALITIES WHICH OCCURED DURING THE YEAR	
	NUMBER	PERCENT	NUMBER	PERCENT
Total	382	100.0	229	100.0
Construction	79	20.7	55	24.0
State and local government	56	14.7	27	11.8
Manufacturing	55	14.4	42	18.3
Transportation and public utilities	51	13.4	29	12.7
Services	51	13.4	25	10.9
Retail trade	32	8.4	21	9.2
Agriculture, forestry and fishing	27	7.1	12	5.2
Wholesale trade	23	6.0	17	7.4
Finance, insurance and real estate	4	1.0	1	0.4
Mining	4	1.0	0	0.0

* DIVISION OF LABOR STATISTICS AND RESEARCH
NOTE: Percentages may not add to 100.0 due to rounding.

TABLE D - WORK-RELATED FATALITIES BY OCCUPATION, CALIFORNIA, 1989

SYM-SB198T-D

OCCUPATION	FATALITIES DETERMINED BY *DLSR TO BE WORK-RELATED, REGARDLESS OF YEAR OF DEATH		FATALITIES WHICH OCCURED DURING THE YEAR	
	NUMBER	PERCENT	NUMBER	PERCENT
Total	382	100.0	229	100.0
Truck drivers, heavy and light	57	14.9	38	16.6
Construction trade workers	43	11.3	28	12.2
Executive, administrative and managerial occupations	37	9.7	21	9.2
Protective service occupations	36	9.4	16	7.0
Laborers	30	7.9	21	9.2
Mechanics and repairers	29	7.6	22	9.6
Farming and related agricultural occupations	21	5.5	9	3.9
Sales occupations	20	5.2	12	5.2
Material moving equipment operators	17	4.5	10	4.4
Handlers, equipment cleaners and helpers	16	4.2	10	4.4
Service occupations, except protective and household	14	3.7	5	2.2
Machine operators, assemblers and inspectors	13	3.4	7	3.1
Professional specialty occupations	11	2.9	9	3.9
Forestsry and logging occupations	11	2.9	9	3.9
Technicians and related support occupations	8	2.1	4	1.7
Administrative support occupations	7	1.8	3	1.3
Transportation occupations, except truck drivers	5	1.3	3	1.3
Precision production occupations	3	0.8	1	0.4
Extractive occupations	2	0.5	0	0.0
Occupations not stated	2	0.5	1	0.4

*DIVISION OF LABOR STATISTICS AND RESEARCH

NOTE: Percentages may not add to 100.0 due to rounding.

TABLE 3 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989

SYM-SB198T-3

INDUSTRY BY NATURE OF INJURY

INDUSTRY	TOTAL	AMPUTAIONS	BURNS AND SCALDS	CONTUSIONS, CRUSHING INJURIES	CUTS, PUNCTURES	ABRASIONS, SCRATCHES	FRACTURES	STRAINS, SPRAINS	OTHER INJURIES	OCCUPATIONAL ILLNESSES	NATURE NOT STATED
TAL	430,408	722	9,518	42,966	58,312	16,564	28,580	208,236	5,674	29,564	30,272
IVATE SECTOR TOTAL	364,244	702	8,788	37,162	54,038	14,984	25,180	172,726	4,748	20,576	25,340
AGRICULTURE, FORESTRY, AND FISHING	21,036	60	228	1,864	3,772	1,320	1,492	8,914	202	1,136	2,048
RICULTURAL PRODUCTION - CROPS	9,614	24	120	838	1,494	698	612	4,424	82	530	792
CASH GRAINS	134		10	10	16	12	6	46	2	14	18
FIELD CROPS, EXCEPT CASH GRAINS	640	4	20	44	72	58	58	286	4	36	58
VEGETABLES AND MELONS	1,694	2	12	188	216	54	62	928	12	100	120
FRUITS AND TREE NUTS	3,562	8	28	268	642	346	242	1,488	32	178	330
HORTICULTURAL SPECIALTIES	1,472		10	114	208	94	102	724	14	102	104
GENERAL FARMS, PRIMARILY CROP	2,112	10	40	214	340	134	142	952	18	100	162
RICULTURAL PRODUCTION - LIVESTOCK	1,796	2	30	208	270	56	230	696	16	56	232
LIVESTOCK, EXCEPT DAIRY AND POULTRY	350	2	10	26	36	6	72	132	4	12	50
DAIRY FARMS	864		18	134	118	28	100	310	8	18	130
POULTRY AND EGGS	354		2	30	62	14	24	166	2	22	32
ANIMAL SPECIALIES	158			12	38	6	26	60	2		14
GENERAL FARMS, PRIMARILY LIVESTOCK	70			6	16	2	8	28		4	6
RICULTURAL SERVICES	9,504	34	78	812	1,984	564	640	3,730	102	542	1,018
OIL PREPARATION SERVICES	52		4	6	6		6	24	2	2	2
ROP SERVICES	2,676	8	36	294	406	126	142	1,086	28	246	304
ETERINARY SERVICES	290		2	8	160	2	18	70		6	24
NIMAL SERVICES, EXCEPT VETERINARY	358			44	68	10	50	122	10	10	44
ARM LABOR AND MANAGEMENT SERVICES	3,086	2	16	200	572	284	158	1,246	16	154	438
ANDSCAPE AND HORTICULTURAL SAERVICES	3,042	24	20	260	772	142	266	1,182	46	124	206
ESTRY AND FISHING	122			6	24	2	10	64	2	8	6

TABLE 3 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989

INDUSTRY BY NATURE OF INJURY

SYM-SB198T-3

INDUSTRY	TOTAL	AMPUTAIONS	BURNS AND SCALDS	CONTUSIONS, CRUSHING INJURIES	CUTS, PUNCTURES	ABRASIONS, SCRATCHES	FRACTURES	STRAINS, SPRAINS	OTHER INJURIES	OCCUPATIONAL ILLNESSES	NATURE NOT STATED
MINING	1,448	12	36	196	144	64	212	606	6	88	84
TAL MINING	68	2	4	12			16	28		2	4
L AND GAS EXTRACTION	994	10	20	144	98	32	146	410	6	74	54
NMETALLIC MINERALS, EXCEPT FUEL	386		12	40	46	32	50	168		12	26
CONSTRUCTION	53,616	98	1,044	4,448	11,186	3,722	5,296	21,720	628	1,652	3,822
IERAL BUILDING CONTRACTORS	13,624	42	96	1,120	3,440	1,006	1,450	5,108	150	292	920
VY CONSTRUCTION CONTRACTORS, CEPT BUILDING	6,146	8	162	692	782	352	656	2,632	60	362	440
CIAL TRADE CONTRACTORS	33,846	48	786	2,636	6,964	2,364	3,190	13,980	418	998	2,462
LUMBING, HEATING, AIR CONDITIONING	6286	6	142	440	1,316	548	472	2,714	78	208	362
AINTING AND PAPER HANGING	1,478	2	24	106	242	62	170	622	18	86	146
LECTRICAL WORK	3,860	4	62	290	716	356	330	1,676	72	106	248
ASONRY, TILESETTING, AND PLASTERING	6,612	10	58	462	1,228	440	606	2,942	76	210	580
ARPENTRY AND FLOOR WORK	4,540	14	4	294	1,446	268	466	1,578	44	64	362
OOFING AND SHEETMETAL WORK	3,032		308	252	580	112	336	1,172	32	38	202
ONCRETE WORK	2,470	4	74	236	484	148	210	1,062	20	68	164
ATER WELL DRILLING	296	2	18	36	32	20	46	100	8	12	22
TRUCTURAL STEEL ERECTION	1,340	2	26	166	128	124	146	590	16	42	100
LASS AND GLAZING WORK	520		2	22	156	38	42	216	2	4	38
THER MISCELLANEOUS SPECIAL TRADE CONTRACTORS	3,412	4	68	332	636	248	366	1,308	52	160	238
MANUFACTURING	74,612	344	2,018	8,376	11,276	3,884	5,274	33,674	796	5,134	3,836
I AND KINDERED PRODUCTS	12,622	52	492	1,590	1,604	372	848	6,226	126	650	662
AT PRODUCTS	1,476	10	58	190	314	44	102	586	24	74	74
IRY PRODUCTS	1,308	4	72	172	140	22	70	718	10	46	54

TABLE 3 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989

INDUSTRY BY NATURE OF INJURY

SYM-SB198T-3

INDUSTRY	TOTAL	AMPUTAIONS	BURNS AND SCALDS	CONTUSIONS, CRUSHING INJURIES	CUTS, PUNCTURES	ABRASIONS, SCRATCHES	FRACTURES	STRAINS, SPRAINS	OTHER INJURIES	OCCUPATIONAL ILLNESSES	NATURE NOT STATED
PRESERVED FRUITS AND VEGETABLES	3,462	18	150	520	404	114	260	1,578	26	230	162
GRAIN MILL PRODUCTS	568	4	10	48	70	36	42	292	8	32	26
BAKERY PRODUCTS	1,290	4	38	148	134	28	86	656	8	72	116
SUGAR AND CONFECTIONARY PRODUCTS	704	2	32	96	44	16	60	356	4	56	38
FATS AND OILS	286		30	38	56	6	28	120		4	4
BEVERAGES	2,276	4	50	258	188	58	134	1,384	34	80	86
MISCELLANEOUS FOODS AND KINDERED PRODUCTS	1,252	6	52	120	254	48	66	536	12	56	102
TEXTILE MILL PRODUCTS	468	8	36	56	72	26	34	184	2	22	28
APAREL AND OTHER TEXTILE PRODUCTS	1,586	6	34	146	392	86	66	596	16	104	140
MEN'S AND BOY'S SUITS AND FURNISHINGS	104		4	8	18	4	4	50		8	8
WOMEN'S AND MISSES' OUTERWEAR	702	4	8	64	210	38	20	230	8	48	72
OTHER APPAREL AND ACCESSORIES	238		4	26	50	16	8	90		22	22
MISC. FABRICATED TEXTILE PRODUCTS	542	2	18	48	114	28	34	226	8	26	38
LUMBER AND WOOD PRODUCTS	7,490	36	56	894	1,616	506	614	3,078	68	212	410
LOGGING	1,072		6	140	208	76	118	364	16	28	116
SAWMILLS AND PLANNING MILLS	1,910	8	18	278	208	124	160	934	26	72	82
MILLWORK, PLYWOOD, AND STRUCTURAL WOOD MEMBERS	3,006	22	16	330	804	228	204	1,214	16	54	118
WOOD CONTAINERS	440		8	52	126	24	38	146	6	14	26
WOOD BUILDINGS AND MOBILE HOMES	484		2	48	122	20	34	206	2	12	38
MISCELLANEOUS WOOD PRODUCTS	578	6	6	46	148	34	60	214	2	32	30
FURNITURE AND FIXTURES	2,970	20	32	288	670	162	252	1,252	18	102	174
HOUSEHOLD FURNITURE	1,612	16	12	142	358	86	138	688	12	62	98
OFFICE FURNITURE	388		6	44	66	10	34	198	2	10	18
PUBLIC BUILDING AND RELATED FURNITURE	118			22	34	10	6	28		8	10
PARTITIONS AND FIXTURES	600	4	10	50	154	38	58	240	4	14	28
MISCELLANEOUS FURNITURE & FIXTURES	252		4	30	58	18	16	98		8	20

TABLE 3 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989

INDUSTRY BY NATURE OF INJURY

SYM-SB198T-3

INDUSTRY	TOTAL	AMPUTAIONS	BURNS AND SCALDS	CONTUSIONS, CRUSHING INJURIES	CUTS, PUNCTURES	ABRASIONS, SCRATCHES	FRACTURES	STRAINS, SPRAINS	OTHER INJURIES	OCCUPATIONAL ILLNESSES	NATURE NOT STATED
.PER AND ALLIED PRODUCTS	1,782	36	36	244	228	58	138	896	12	66	68
PULP, PAPER, AND PAPERBOARDS MILLS	284	10	8	34	36	6	24	144		10	12
PAPERBOARD CONTAINERS AND BOXES	714	14	8	86	92	26	70	368	4	20	26
MISCELLANEOUS CONVERTED PAPER PRODUCTS	784	12	20	124	100	26	44	384	8	36	30
INTING AND PUBLISHING	5,006	14	40	618	666	126	350	2,544	76	270	302
NEWSPAPERS	1,982	2	6	238	164	52	132	1,130	44	98	116
PERIODICALS, BOOKS, AND OTHER PUBLISHING	428	2	6	36	38	10	38	210		48	40
COMMERCIAL PRINTING	2,168	6	20	292	398	44	158	990	32	98	130
)THER PRINTING & SERVICE INDUSTRIES FOR THE PRINTING TRADE	428	4	8	52	66	20	22	214		26	16
:MICALS AND ALLIED PRODUCTS	1,926	6	102	210	204	60	110	938	16	196	84
NDUSTRIAL INORGANIC CHEMICALS	180		10	10	22	4	10	108		12	4
'LASTICS MATERIALS AND SYNTHETICS	80		6	4	6	2	8	44		6	4
RUGS	436	2	20	44	40	12	18	208	2	64	26
OAPS, CLEANERS, AND TOILET GOODS	546	4	28	82	58	10	28	242	10	60	24
AINTS AND ALLIED PRODUCTS	322		12	24	34	16	18	180		22	16
GRICULTURAL CHEMICALS	106		10	12	12	6	10	34	4	10	8
THER CHEMICAL PRODUCTS	256		16	34	32	10	18	122		22	2
ROLEUM AND COAL PRODUCTS	360	0	24	44	36	6	36	162	6	28	18
ETROLEUM REFINING	214		16	22	24	2	18	98	4	22	8
SPHALT PAVING AND ROOFING MATERIALS	108		8	20	4	2	12	50	2	4	6
:SCELLANEOUS PETROLEUM AND COAL 'RODUCTS	38			2	8	2	6	14		2	4
IER AND MISCELLANEOUS PLASTICS)DUCTS	3,364	20	148	392	648	162	222	1,382	34	174	182
IBBER AND PLASTICS FOOTWEAR	18		2		2			10		2	2
SE, BELTING, GASKETS AND											

TABLE 3 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989

SYM-SB198T-3

INDUSTRY BY NATURE OF INJURY

INDUSTRY	TOTAL	AMPUTAIONS	BURNS AND SCALDS	CONTUSIONS, CRUSHING INJURIES	CUTS, PUNCTURES	ABRASIONS, SCRATCHES	FRACTURES	STRAINS, SPRAINS	OTHER INJURIES	OCCUPATIONAL ILLNESSES	NATURE NOT STATED
PACKING	102		4	8	14	12	8	46		4	6
OTHER FABRICATED RUBBER PRODUCTS	476	6	16	66	82	12	30	198	4	32	30
MISCELLANEOUS PLASTICS PRODUCTS	2,768	14	126	318	550	138	184	1,128	30	136	144
ATHER AND LEATHER PRODUCTS	156			16	44	4	12	56	2	10	12
ONE, CLAY, AND GLASS PRODUCTS	3,598	16	86	440	482	228	262	1,632	56	174	222
FLAT GLASS	68			12	18		2	36			
GLASS AND GLASSWARE, PRESSED OR BLOWN	384		20	32	46	22	24	182	10	34	14
PRODUCTS MADE OF PURCHASED GLASS	276	4		32	88	12	6	116		2	16
CEMENT, HYDRALIC	64		12	8		2	6	28		8	
STRUCTURAL CLAY PRODUCTS	204	4		22	36	12	14	96	2	4	14
POTTERY AND RELATED PRODUCTS	200		2	20	28	8	8	116		12	6
CONCRETE, GYPSUM, AND PLASTER PRODUCTS	2,030	6	48	276	228	156	172	862	44	86	152
CUT STONE PRODUCTS	66			2	16	4	4	32		2	6
MISCELLANEOUS NONMETALLIC MINERAL PRODUCTS	306	2	4	36	22	12	26	164		26	14
MARY METAL INDUSTRIES	2,398	18	170	300	296	172	228	1,006	16	104	88
BLAST FURNACES AND BASIC STEEL PRODUCTS	598	10	36	74	70	34	64	268	6	24	12
RON AND STEEL FOUNDRIES	454	2	36	58	66	46	36	182		16	12
PRIMARY AND SECONDARY NONFERROUS METALS	168		20	16	24	14	24	54		8	8
ONFERROUS ROLLING AND DRAWING	554	2	24	82	50	18	62	264	4	32	16
ONFERROUS FOUNDRIES	502	4	46	54	74	56	32	182		18	36
ISCELLANEOUS PRIMARY METAL PRODUCTS	122		8	16	12	4	10	56	6	6	4
RICATED METAL PRODUCTS	6,980	40	232	776	1,266	544	592	2,708	64	406	352
ETAL CANS AND SHIPPING CONTAINERS	394		8	74	62	14	28	168	4	26	10
UTLERY, HAND TOOLS, AND HARDWARE	382	4	6	32	86	26	24	160	14	20	10
LUMBING AND HEATING EQUIPMENT,											

TABLE 3 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989
INDUSTRY BY NATURE OF INJURY

SYM-SB198T-3

INDUSTRY	TOTAL	AMPUTAIONS	BURNS AND SCALDS	CONTUSIONS, CRUSHING INJURIES	CUTS, PUNCTURES	ABRASIONS, SCRATCHES	FRACTURES	STRAINS, SPRAINS	OTHER INJURIES	OCCUPATIONAL ILLNESSES	NATURE NOT STATED
EXCEPT ELECTRIC AND WARM AIR	368		10	40	74	16	46	146	8	12	16
FABRICATED STRUCTURAL METAL PRODUCTS	3,156	14	72	314	608	294	248	1,214	30	166	196
SCREW MACHINE PRODUCTS, BOLTS, ETC.	334		8	34	60	24	32	132		22	22
METAL FORGINGS AND STAMPINGS	548	8	24	82	104	34	46	192	4	30	24
COATING, ENGRAVING, & ALLIED SVCS	798	4	72	80	104	56	74	306	4	66	32
ORDNANCE AND ACCESSORIES, EXCEPT VEHICES AND GUIDED MISSILES	150		6	10	18	6	14	74		20	2
MISCELLANEOUS FABRICATED METAL PRODUCTS	850	10	26	110	150	74	80	316		44	40
DUSTRIAL AND COMMERCIAL MACHINERY ND COMPUTER EQUIPMENT	5,968	28	110	546	1,068	500	412	2,464	62	468	310
ENGINES AND TURBINES	142	2	2	14	28	8	16	58	2	12	
FARM AND GARDEN MACHINERY	286	4	6	32	48	40	16	106	4	22	8
CONSTRUCTION AND RELATED MACHINERY	612		14	82	80	56	44	246	8	42	40
METALWORKING MACHINERY	554	8	6	30	132	56	46	214	4	34	24
SPECIAL INDUSTRY MACHINERY	496	2	6	60	64	50	44	200	2	28	40
GENERAL INDUSTRIAL MACHINERY	662		4	56	134	38	48	300	6	44	32
COMPUTER AND OFFICE EQUIPMENT	1,134	4	18	86	88	26	30	648	22	144	68
REFRIGERATION AND SERVICE MACHINERY	388	2	14	42	66	20	16	178	6	22	22
MISCELLANEOUS INDUSTRIAL AND COMMERCIAL MACHINERY AND EQUIPMENT	1,694	6	40	144	428	206	152	514	8	120	76
CTRONIC AND OTHER ELECTRICAL UIPMENT, EXCEPT COMPUTER EQUIPMENT	5,012	16	212	544	544	228	286	2,284	64	574	260
LECTRIC DISTRIBUTION EQUIPMENT	284		4	26	14	24	12	164		24	16
LECTRICAL INDUSTRIAL APPARATUS	168		6	20	20	14	8	74		16	10
OUSEHOLD APPLIANCES	106		2	8	16	6	12	48		12	2
LECTRIC LIGHTING AND WIRING EQUIPMENT	534	8	12	70	78	20	42	264	2	18	20
OUSEHOLD AUDIO AND VIDEO EQUIPMENT	278	2	4	38	34	16	24	138	8	12	2
OMMUNICATIONS EQUIPMENT	430	2	18	26	32	24	22	212	14	58	22

TABLE 3 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989

INDUSTRY BY NATURE OF INJURY

SYM-SB198T-3

INDUSTRY	TOTAL	AMPUTAIONS	BURNS AND SCALDS	CONTUSIONS, CRUSHING INJURIES	CUTS, PUNCTURES	ABRASIONS, SCRATCHES	FRACTURES	STRAINS, SPRAINS	OTHER INJURIES	OCCUPATIONAL ILLNESSES	NATURE NOT STATED
ELECTRONIC COMPONENTS AND ACCESSORIES	2,614	4	146	286	270	106	124	1,098	38	376	166
MISCELLANEOUS ELECTRICAL EQUIPMENT AND SUPPLIES	598		20	70	80	18	42	286	2	58	22
ANSPORTATION EQUIPMENT	8,020	16	108	854	900	446	546	3,944	82	802	322
MOTOR VEHICLES AND EQUIPMENT	2,398	4	54	304	332	196	162	1,072	18	178	78
AIRCRAFT AND PARTS	4,264	10	38	440	406	164	286	2,202	48	490	180
SHIP AND BOAT BUILDING AND REPAIRING	286	2	6	24	46	26	20	108	2	30	22
GUIDED MISSILES AND SPACE VEHICLES	652		4	52	42	20	50	372	12	76	24
MISCELLANEOUS TRANSPORTATION EQUIPMENT	420		6	34	74	40	28	190	2	28	18
STRUMENTS AND RELATED PRODUCTS	3,622	4	80	320	284	120	178	1,796	64	638	138
SEARCH AND RELATED PRODUCTS	1,458		28	122	72	16	82	724	32	352	30
MEASURING AND CONTROLLING DEVICES	1,132	2	22	112	116	52	52	576	16	122	62
MEDICAL INSTRUMENTS AND SUPPLIES	734	2	28	58	58	40	32	352	8	128	28
PHTHALMIC GOODS	150		2	14	14	6	4	76	2	26	6
THER INSTRUMENTS AND SUPPLIES PRODUCTS	148			14	24	6	8	68	6	10	12
CELLANEOUS MANUFACTURING INDUSTRIES	1,284	8	20	98	256	78	88	526	12	134	64
OYS AND SPORTING GOODS	372		6	34	84	18	26	148	4	38	14
IGNS AND ADVERTISING DISPLAYS	302	2	2	18	62	26	24	124	2	20	22
THER MANUFACTURING INDUSTRIES	610	6	12	46	110	34	38	254	6	76	28
ANSPORTATION AND PUBLIC UTILITIES	27,726	16	270	2,836	2,060	772	1,986	15,466	544	1,720	2,056
AL AND INTERURBAN PASSENGER TRANSIT	2,002		18	146	82	22	102	1,262	74	120	176
CKING AND WAREHOUSING	12,290	8	110	1,332	978	348	1,100	6,780	272	286	1,076
ER TRANSPORTATION	146			8	12	2	16	80	4	16	8
ISPORTATION BY AIR	5,502	4	48	610	338	120	324	3,084	88	614	272
LINES, EXCEPT NATURAL GAS	10							8		2	
ISPORTATION SERVICES	800	2	6	94	76	34	54	380	12	40	102

TABLE 3 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989

INDUSTRY BY NATURE OF INJURY

SYM-SB198T-3

INDUSTRY	TOTAL	AMPUTAIONS	BURNS AND SCALDS	CONTUSIONS, CRUSHING INJURIES	CUTS, PUNCTURES	ABRASIONS, SCRATCHES	FRACTURES	STRAINS, SPRAINS	OTHER INJURIES	OCCUPATIONAL ILLNESSES	NATURE NOT STATED
OMMUNICATIONS	3,008		2	284	202	68	154	1,638	52	450	158
LECTRIC, GAS, AND SANITARY SERVICES	3,968	2	86	362	372	178	236	2,234	42	192	264
ELECTRIC SERVICES	292		32	10	10	20	26	154	2	18	20
GAS PRODUCTION AND DISTRIBUTION	270		4	20	30	12	10	160	4	24	6
COMBINATION UTILITY SERVICES	382		2	30	32	2	20	260	6	28	2
WATER SUPPLY	144		4	14	14	2	2	90		8	10
SANITARY SERVICES	2,830	2	42	280	284	142	172	1,548	24	110	226
STEAM SUPPLY AND IRRIGATION SYSTEMS	50		2	8	2		6	22	6	4	
WHOLESALE TRADE	25,588	50	296	2,856	2,760	884	1,756	14,098	400	958	1,530
OLESALE TRADE--DURABLE GOODS	12,202	32	200	1,322	1,514	614	980	6,110	220	468	742
MOTOR VEHICLES & MOTOR VEHICLE PARTS AND SUPPLIES	1,768		34	196	184	88	142	926	24	46	128
FURNITURE AND HOMEFURNISHINGS	500		2	54	78	28	26	252	8	14	38
LUMBER AND OTHER CONSTRUCTION MATERIALS	1,450	12	14	174	238	92	124	662	10	20	104
PROFESSIONAL & COMMERCIAL EQUIPMENT AND SUPPLIES	1,738		6	160	108	32	88	1,052	50	116	126
METALS AND MINERALS, EXCEPT PETROL	646	6	6	92	104	28	74	296	2	18	20
ELECTRICAL GOODS	1,274		20	134	130	32	84	726	30	68	50
HARDWARE, & PLUMBING & HEATIHG EQUIPTMENT AND SUPPLIES	924	2	4	94	110	40	72	510	22	10	60
MACHINERY, & EGUIPMENT, AND SUPPLIES	2,444	4	46	252	334	188	238	1,100	34	108	140
MISCELLANEOUS DURABLE GOODS	1,458	8	68	166	228	86	132	586	40	68	76
OLESALE TRADE--NONDURABLE GOODS	13,386	18	96	1,534	1,246	270	776	7,988	180	490	788
PAPER AND PAPER PRODUCTS	572		2	70	50	8	34	336	20	22	30
DRUGS, DRUG PROPIETARIES, AND DRUGGISTS' SUNDRIES	480			36	16	6	32	312	14	22	42
APPAREL, PIECE GOODS, AND NOTIONS	394			36	42	10	18	222	14	12	40

TABLE 3 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989

INDUSTRY BY NATURE OF INJURY

SYM-SB198T-3

INDUSTRY	TOTAL	AMPUTAIONS	BURNS AND SCALDS	CONTUSIONS, CRUSHING INJURIES	CUTS, PUNCTURES	ABRASIONS, SCRATCHES	FRACTURES	STRAINS, SPRAINS	OTHER INJURIES	OCCUPATIONAL ILLNESSES	NATURE NOT STATED
GROCERIES AND RELATED PRODUCTS	7,010	14	42	988	674	122	398	4,116	68	218	370
FARM-PRODUCT RAW MATERIALS	246			20	18	16	12	116	6	32	26
CHEMICALS AND ALLIED PRODUCTS	260		18	22	12	14	32	134	4	8	16
PETROLEUM AND PETROLEUM PRODUCTS	490		16	34	38	14	30	264	6	48	40
BEER, WINE, AND DISTILLED ALCHOLIC BEVERAGES	1,342		10	90	124	12	80	902	10	40	74
MISCELLANEOUS NONDURABLE GOODS	2,592	4	8	238	272	68	140	1,586	38	88	150
RETAIL TRADE	73,498	56	3,262	7,972	14,030	1,818	3,850	33,486	850	2,926	5,248
ILDING MATERIALS & GARDEN SUPPLIES	5,338	6	46	630	814	214	362	2,728	60	128	350
NERAL MERCHANDISE STORES	9,052		96	1,304	904	216	412	4,978	84	344	714
)D STORES	18,102	16	188	2,022	3,556	224	820	9,204	162	920	990
TOMOTIVE DEALERS AND SERVICE TATIONS	8,366	6	274	672	1,246	700	544	3,742	148	374	660
'AREL AND ACCESSORY STORES	1,796		28	234	232	32	122	912	24	68	144
:NITURE AND HOMEFURNISHINGS STORES	2,994	6	14	258	406	84	204	1,706	32	68	216
'ING AND DRINKING PLACES	22,010	18	2,552	2,142	6,082	222	1,050	7,210	254	722	1,758
CELLANEOUS RETAIL	5,840	4	64	710	790	126	336	3,006	86	302	416
RUG STORES AND PROPRIETARY STORES	2,320	2	2	312	264	46	106	1,258	22	182	126
ONSTORE RETAILERS	496		20	50	36	14	40	264	8	16	48
ETAIL STORES, N.E.C.	3,024	2	42	348	490	66	190	1,484	56	104	242
INANCE, INSURANCE, AND REAL ESTATE	10,226	10	102	960	974	306	782	4,618	234	1,264	976
)SITORY INSTITUTIONS	2,974		10	298	188	56	172	1,334	90	526	300
)EPOSITORY CREDIT INSTITUTIONS	384		4	38	36	6	36	162	8	52	42
JRITY, COMMODITY BROKERS AND :VICES	196			14	14	2	16	102	4	26	18
IRANCE CARRIERS	1,002		6	90	60	12	50	490	20	190	84

TABLE 3 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989 SYM-SB198T-3

INDUSTRY BY NATURE OF INJURY

INDUSTRY	TOTAL	AMPUTAIONS	BURNS AND SCALDS	CONTUSIONS, CRUSHING INJURIES	CUTS, PUNCTURES	ABRASIONS, SCRATCHES	FRACTURES	STRAINS, SPRAINS	OTHER INJURIES	OCCUPATIONAL ILLNESSES	NATURE NOT STATED
ISURANCE AGENTS, BROKERS, AND SERVICE	768		6	70	32	10	34	380	24	138	74
:AL ESTATE	4,770	10	76	438	636	216	458	2,090	88	310	448
ILDING AND OTHER INVESTMENT OFFICES	132			12	8	4	16	60		22	10
SERVICES	76,494	56	1,532	7,654	7,836	2,214	4,532	40,144	1,088	5,698	5,740
TELS AND OTHER LODGING PLACES	7,244	2	252	840	998	124	326	3,560	60	410	672
RSONAL SERVICES	2,330		102	168	318	52	128	1,146	54	172	190
SINESS SERVICES	17,534	16	250	2,078	2,142	588	1,242	8,410	310	1,020	1,478
SERVICES TO DWELLINGS & OTHER BLDGS	3,270	4	50	302	358	82	214	1,612	52	156	440
MISCELLANEOUS EQUIPTMENT RENRAL AND LEASING	1,522	2	44	178	182	98	134	714	32	58	80
PERSONNEL SUPPLY SERVICES	7,362	8	118	1,032	994	260	438	3,506	92	408	506
COMPUTER PROGRAMMING, DATA PROC., & OTHER COMPUTER RELATED SERVICES	766		4	52	46	12	50	422	26	94	60
)THER BUSINESS SERVICES	4,614	2	34	514	562	136	406	2,156	108	304	392
'O REPAIR, SERVICES, AND PARKING	5,240	6	166	500	870	486	310	2,046	94	282	480
;CELLANEOUS REPAIR SERVICES	1,820	4	54	134	322	214	148	722	18	88	116
'ION PICTURES	1,388		24	130	204	36	156	598	40	114	86
ISEMENT AND RECREATION SERVICES	5,164	8	160	576	694	132	406	2,528	54	252	354
.LTH SERVICES	22,958	2	312	1,996	1,018	300	784	14,822	190	2,192	1,342
FFICES AND CLINICS OF DOCTORS OF MEDICINE	1,810		12	144	78	28	80	932	20	392	124
URSING AND PERSONAL CARE FACILITIES	6,386		84	518	282	78	170	4,364	46	282	562
OSPITIALS	13,076		186	1,216	520	168	446	8,612	86	1,306	536
THER HEALTH AND ALLIED SERVICES	1,686	2	30	118	138	26	88	914	38	212	120
AL SERVICES	696		4	56	38	12	48	322	38	108	70
:ATIONAL SERVICES	1,972	2	40	200	164	56	158	936	48	220	148
.EMENTARY AND SECONDARY SCHOOLS	654		6	62	58	18	64	312	24	40	70
)LLEGES, UNIVERSITIES, PROFESSIONAL											

TABLE 3 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989

INDUSTRY BY NATURE OF INJURY

SYM-SB198T-3

INDUSTRY	TOTAL	AMPUTAIONS	BURNS AND SCALDS	CONTUSIONS, CRUSHING INJURIES	CUTS, PUNCTURES	ABRASIONS, SCRATCHES	FRACTURES	STRAINS, SPRAINS	OTHER INJURIES	OCCUPATIONAL ILLNESSES	NATURE NOT STATED
SCHOOLS, AND JUNIOR COLLEGES	1,008	2	28	110	88	28	74	470	16	136	56
OTHER EDUCATIONAL SERVICES	310		6	28	18	10	20	154	8	44	22
)CIAL SERVICES	4,870	8	80	518	468	84	334	2,578	66	308	426
INDIVIDUAL & FAMILY SOCIAL SERVICES	1,114		6	108	90	16	82	620	22	90	80
JOB TRAINING AND VOCATIONAL REHAB SERVICES	996	8	14	106	132	30	82	456	12	68	88
CHILD DAY CARE SERVICES	694		4	92	48	8	54	366	8	50	64
RESIDENTIAL CARE	1,720		52	168	154	22	100	950	20	74	180
SOCIAL SERVICES, N.E.C.	346		4	44	44	8	16	186	4	26	14
SEUMS, BOTANICAL, ZOOLOGICAL GARDENS	168		2	14	16	8	14	88		16	10
MBERSHIP ORGANIZATIONS	1,938	2	36	158	220	40	230	852	46	180	174
GINEERING, ACCTNG, & MGMT SERVICES	2,816	4	46	242	322	76	190	1,390	68	320	158
IVATE HOUSEHOLDS	278	2	2	34	32	4	48	114	2	8	32
RVICES, N.E.C.	78		2	10	10	2	10	32		8	4
STATE AND LOCAL GOVERNMENT	66,164	20	730	5,804	4,274	1,580	3,400	35,510	926	8,988	4,932
ATE	12,540	8	132	1,084	780	298	632	6,108	142	2,372	984
EALTH SERVICES	2,736		26	332	114	36	104	1,558	24	258	284
DUCATIONAL SERVICES	2,062	2	48	128	190	44	144	1,116	14	248	128
UBLIC ORDER AND SAFETY	3,854		32	320	228	102	186	1,524	36	1,104	322
THER STATE GOVERNMENT	3,888	6	26	304	248	116	198	1,910	68	762	250
AL GOVERNMENT	53,624	12	598	4,720	3,494	1,282	2,768	29,402	784	6,616	3,948
IGHWAY AND STREET CONSTRUCTION AND MAINTENANCE	2,250		30	224	188	82	90	1,356	16	188	76
)CAL AND SUBURBAN TRANSPORTATION	3,108		26	256	120	74	88	1,874	28	450	192
ILITIES	3,780	4	42	322	370	120	218	2,174	60	294	176

TABLE 3 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989 SYM-SB198T-3

INDUSTRY BY NATURE OF INJURY

INDUSTRY	TOTAL	AMPUTAIONS	BURNS AND SCALDS	CONTUSIONS, CRUSHING INJURIES	CUTS, PUNCTURES	ABRASIONS, SCRATCHES	FRACTURES	STRAINS, SPRAINS	OTHER INJURIES	OCCUPATIONAL ILLNESSES	NATURE NOT STATED
ELECTRIC AND GAS UTILITIES	644		14	58	80	22	34	330	20	56	30
WATER SUPPLY	1,174	2	4	100	110	44	72	668	14	110	50
SANITARY SERVICES	1,756	2	18	156	158	46	86	1,076	16	112	86
SEWERAGE SYSTEMS	470	2	8	38	42	18	28	268	2	40	24
REFUSE SYSTEMS	1,188		10	110	104	22	58	754	8	64	58
SANITARY SERVICES, N.E.C.	98			8	12	6		54	6	8	4
OTHER UTILITIES	206		6	8	22	8	26	100	10	16	10
RKS AND RECREATION	1,996		8	170	170	80	108	1,168	42	156	94
SPITALS	3,804		68	306	188	70	112	2,372	28	386	274
JCATIONAL SERVICES	19,016	2	220	1,928	1,272	436	1,110	10,036	246	1,880	1,886
ELEMENTARY AND SECONDARY SCHOOLS	17,710	2	204	1,796	1,192	392	1,060	9,356	226	1,674	1,808
COLLEGES, UNIVERSITIES, PROF. SCHOOLS, AND JUNIOR COLLEGES	1,140		16	118	74	42	46	582	16	172	74
)THER EDUCATIONAL SERVICES	166			14	6	2	4	98	4	34	4
CIAL SERVICES	1,958		10	132	112	42	122	960	40	378	162
ILIC ORDER AND SAFETY	12,602	6	140	874	730	274	690	6,818	226	2,176	668
'OLICE PROTECTION	6,200		18	494	418	130	426	3,060	168	1,120	366
'IRE PROTECTION	4,782	6	108	200	234	118	172	3,114	36	628	166
'UBLIC ORDER AND SAFETY, N.E.C.	1,620		14	180	78	26	92	644	22	428	136
IER LOCAL GOVERNMENT	5,276		54	522	350	106	234	2,742	102	742	424

DISABILITY CAUSING ABSENCE FROM WORK FOR AT LEAST A FULL DAY OR SHIFT BEYOND THE DAY OF THE OCCURRENCE. EXCLUDES WORK URIES AND ILLNESSES TO EMPLOYEES NOT COVERED BY THE CALIFORNIA WORKERS' COMPENSATION ACT, SUCH AS MARITIME WORKERS, FEDERAL LOYEES, AND RAILROAD EMPLOYEES IN INTERSTATE COMMERCE.

TABLE 4 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989
INDUSTRY BY ACCIDENT TYPE

SYM-SB198T-4

INDUSTRY	TOTAL	OVEREXERT-ION	STRUCK BY OR AGAINST	FALLS		BODILY REACTION	CAUGHT IN OR BETWEEN	RUBBED OR ABRADED	CONTACT WITH RADIATIONS, CAUSTICS, ETC.	HIGHWAY MOTOR VEHICLE ACCIDENTS	NON-HIGHWAY MOTOR VEHICLE & EQUIPMENT ACCIDENTS	OTHER OR NOT STATED
				ON SAME LEVEL	FROM ELEVATION							
OTAL	430,408	130,102	112,464	40,208	25,226	37,180	18,082	7,664	15,118	12,674	1,900	29,790
RIVATE SECTOR TOTAL	364,244	109,816	100,146	33,146	22,732	28,744	16,666	6,894	11,724	9,894	1,742	22,740
AGRICULTURE, FORESTRY, AND FISHING	21,036	5,152	6,300	1,656	2,022	1,758	1,028	678	926	512	220	784
GRICULTURAL PRODUCTION--CROPS	9,614	2,650	2,526	750	856	910	488	346	442	180	140	326
CASH GRAINS	134	30	32	4	2	14	10	6	12	8	4	12
FIELD CROPS, EXCEPT CASH GRAINS	640	192	146	38	50	50	38	40	36	12	6	32
VEGETABLES AND MELONS	1,694	580	402	152	106	170	68	28	68	26	24	70
FRUITS AND TREE NUTS	3,562	794	1,086	274	424	332	136	162	146	48	64	96
HORTICULTURAL SPECIALTIES	1,472	436	330	148	90	174	74	50	84	24	16	46
GENERAL FARMS, PRIMARILY CROP	2,112	618	530	134	184	170	162	60	96	62	26	70
RICULTURAL PRODUCTION--LIVESTOCK	1,796	356	634	174	162	132	126	34	54	34	12	78
LIVESTOCK, EXCEPT DAIRY AND POULTRY	350	52	110	32	64	26	16	4	14	14	4	14
DAIRY FARMS	864	170	348	74	50	50	76	14	22	14	2	44
POULTRY AND EGGS	354	90	80	46	26	40	24	10	16	6	4	12
ANIMAL SPECIALTIES	158	22	64	18	18	14	8	6			2	6
GENERAL FARMS, PRIMARILY LIVESTOCK	70	22	32	4	4	2	2		2			2
ICULTURAL SERVICES	9,504	2,108	3,108	724	996	698	412	296	426	292	68	376
SOIL PREPARATION SERVICES	52	10	10		2	12	4		4	4	2	4
CROP SERVICES	2,676	590	742	198	234	228	166	88	198	70	22	140
ETERINARY SERVICES	290	58	174	22	2	4	6		6	4	2	12
NIMAL SERVICES, EXCEPT VETERINARY	358	62	144	34	56	22	20	4	4	8		4
ARM LABOR AND MANAGEMENT SERVICES	3,086	626	924	230	510	268	72	150	116	46	26	118
ANDSCAPE AND HORTICULTURAL SERVICES	3,042	762	1,114	240	192	164	144	54	98	160	16	98
ESTRY AND FISHING	122	38	32	8	8	18	2	2	4	6		4
MINING	1,448	358	390	90	82	100	166	28	58	28	26	122

TABLE 4 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989

INDUSTRY BY ACCIDENT TYPE

SYM-SB198T-4

INDUSTRY	TOTAL	OVEREXERT-ION	STRUCK BY OR AGAINST	FALLS		BODILY REACTION	CAUGHT IN OR BETWEEN	RUBBED OR ABRADED	CONTACT WITH RADIATIONS, CAUSTICS, ETC.	HIGHWAY MOTOR VEHICLE ACCIDENTS	NON-HIGHWAY MOTOR VEHICLE & EQUIPMENT ACCIDENTS	OTHER OR NOT STATED
				ON SAME LEVEL	FROM ELEVATION							
ETAL MINING	68	12	20	4	2	6	8		4	4	6	2
IL AND GAS EXTRACTION	994	252	266	66	54	58	116	14	44	16	4	104
ONMETALLIC MINERALS, EXCEPT FUEL	386	94	104	20	26	36	42	14	10	8	16	16
CONSTRUCTION	53,616	13,306	18,222	3,164	7,098	3,832	1,658	1,596	1,366	870	280	2,224
ENERAL BUILDING CONTRACTORS	13,624	3,242	5,372	822	1,946	816	314	378	208	108	20	398
EAVY CONSTRUCTION CONTRACTORS EXCEPT BUILDING	6,146	1,548	1,838	326	480	494	330	160	296	166	192	316
ECIAL TRADE CONTRACTORS	33,846	8,516	11,012	2,016	4,672	2,522	1,014	1,058	862	596	68	1,510
PLUMBING, HEATING, AIR CONDITIONING	6,286	1,690	2,072	366	630	484	216	254	168	148	10	248
PAINTING AND PAPER HANGING	1,478	300	314	100	384	164	36	34	78	20		48
ELECTRICAL WORK	3,860	1,002	1,212	200	464	346	122	160	66	94	2	192
MASONRY, TILESETTING, AND PLASTERING	6,612	1,704	1,808	406	1,254	554	172	214	196	78	4	222
CARPENTRY AND FLOOR WORK	4,540	978	1,984	234	618	268	90	138	34	48	12	136
ROOFING AND SHEETMETAL WORK	3,032	722	776	184	612	182	56	56	30	38	12	364
CONCRETE WORK	2,470	664	918	176	184	194	62	40	86	52	6	88
WATER WELL DRILLING	296	66	90	16	30	18	30	6	14	2		24
STRUCTURAL STEEL ERECTION	1,340	388	424	118	122	90	54	42	34	8	8	52
GLASS AND GLAZING WORK	520	150	220	24	36	34	8	14	4	18		12
OTHER MISCELLANEOUS SPECIAL TRADE CONTRACTORS	3,412	852	1,194	192	338	188	168	100	152	90	14	124
MANUFACTURING	74,612	22,690	20,882	5,604	2,872	5,438	5,920	1,740	3,220	1,050	374	4,822
D AND KINDRED PRODUCTS	12,622	4,008	2,902	1,318	660	1,010	1,012	204	506	130	112	760
EAT PRODUCTS	1,476	406	502	130	56	80	104	20	64	14	16	84
AIRY PRODUCTS	1,308	488	232	114	78	108	118	18	66	22	8	56
RESERVED FRUITS AND VEGETABLES	3,462	890	822	402	250	300	274	68	164	14	36	242

TABLE 4 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989
INDUSTRY BY ACCIDENT TYPE

SYM-SB198T-4

INDUSTRY	TOTAL	OVEREXERT-ION	STRUCK BY OR AGAINST	FALLS		BODILY REACTION	CAUGHT IN OR BETWEEN	RUBBED OR ABRADED	CONTACT WITH RADIATIONS, CAUSTICS, ETC.	HIGHWAY MOTOR VEHICLE ACCIDENTS	NON-HIGHWAY MOTOR VEHICLE & EQUIPMENT ACCIDENTS	OTHER OR NOT STATED
				ON SAME LEVEL	FROM ELEVATION							
GRAIN MILL PRODUCTS	568	184	94	42	66	50	46	18	20	8	4	36
BAKERY PRODUCTS	1,290	430	252	162	42	124	140	12	36	18	4	70
SUGAR AND CONFECTIONERY PRODUCTSS	704	268	132	70	26	44	62	8	36	2	4	52
FATS AND OILS	286	82	82	22	6	20	16	2	4	2	6	44
BEVERAGES	2,276	922	448	218	104	214	116	42	68	40	20	84
MISCELLANEOUS FOODS AND KINDRED PRODUCTS	1,252	338	338	158	32	70	136	16	48	10	14	92
CTILE MILL PRODUCTS	468	102	120	32	16	32	64	10	26	6	4	56
'AREL AND OTHER TEXTILE PRODUCTS	1,586	384	512	138	56	84	168	36	56	22	2	128
IEN'S AND BOYS' SUITS AND FURNISHINGS	104	28	26	16	2	8	8	2	6			8
OMEN'S AND MISSES' OUTERWEAR	702	132	272	56	24	34	70	14	20	14		66
THER APPAREL AND ACCESSORIES	238	70	60	24	10	6	28	8	6		2	24
ISC. FABRICATED TEXTILE PRODUCTS	542	154	154	42	20	36	62	12	24	8		30
BER AND WOOD PRODUCTS	7,490	2,032	3,018	402	316	442	582	244	102	66	58	228
OGGING	1,072	134	544	76	60	84	68	24	8	18	22	34
AWMILLS AND PLANNING MILLS	1,910	616	534	142	106	162	156	80	30	8	18	58
ILLWORK, PLYWOOD, AND STRUCTURAL WOOD MEMBERS	3,006	904	1,300	102	64	124	260	96	32	32	8	84
OOD CONTAINERS	440	102	206	22	12	6	42	16	8	2	2	22
OOD BUILDINGS AND MOBILE HOMES	484	110	204	36	56	32	10	12	10	2	2	10
SCELLANEOUS WOOD PRODUCTS	578	166	230	24	18	34	46	16	14	4	6	20
ITURE AND FIXTURES	2,970	982	1,140	132	76	110	232	68	64	32	10	124
USEHOLD FURNITURE	1,612	526	604	72	46	70	124	46	30	22	4	68
FICE FURNITURE	388	148	134	14	8	22	28	6	8	4		16
BLIC BUILDING AND RELATED URNITURE	118	26	52	10	2		16	4	6			2
RTITIONS AND FIXTURES	600	206	252	20	14	10	46	8	14	4	2	24
SCELLANEOUS FURNITURE & FIXTURES	252	76	98	16	6	8	18	4	6	2	4	14
R AND ALLIED PRODUCTS	1,782	588	414	88	90	142	284	28	36	16	16	80

TABLE 4 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989

INDUSTRY BY ACCIDENT TYPE

SYM-SB198T-4

INDUSTRY	TOTAL	OVEREXERT-ION	STRUCK BY OR AGAINST	FALLS		BODILY REACTION	CAUGHT IN OR BETWEEN	RUBBED OR ABRADED	CONTACT WITH RADIATIONS, CAUSTICS, ETC.	HIGHWAY MOTOR VEHICLE ACCIDENTS	NON-HIGHWAY MOTOR VEHICLE & EQUIPMENT ACCIDENTS	OTHER OR NOT STATED
				ON SAME LEVEL	FROM ELEVATION							
PULP, PAPER, AND PAPERBOARDS MILLS	284	88	62	8	16	34	42	4	12	8	4	6
PAPERBOARD CONTAINERS AND BOXES	714	236	160	48	34	54	116	16	8	2	8	32
MISCELLANEOUS CONVERTED PAPER PRODUCTS	784	264	192	32	40	54	126	8	16	6	4	42
INTING AND PUBLISHING	5,006	1,718	1,028	370	178	444	646	48	94	216	20	244
NEWSPAPERS	1,982	692	314	198	86	248	182	20	16	108	8	110
PERIODICALS, BOOKS AND OTHER PUBLISHING	428	114	72	42	24	48	36	2	8	24		58
COMMERCIAL PRINTING	2,168	750	544	112	56	126	362	18	52	74	12	62
ITHER PRINTING & SERVICE INDUSTRIES FOR THE PRINTING TRADE	428	162	98	18	12	22	66	8	18	10		14
MICALS AND ALLIED PRODUCTS	1,926	648	356	138	102	142	136	34	172	42	12	144
NDUSTRIAL INORGANIC CHEMICALS	180	62	24	12	14	24	12	2	8	2	4	16
LASTICS MATERIALS AND SYNTHETICS	80	28	16	4	2	12	4		10	2		2
RUGS	436	168	84	34	20	18	26	6	38	6		36
OAPS, CLEANERS, AND TOILET FOODS	546	146	106	52	22	38	46	6	64	18	6	42
AINTS AND ALLIED PRODUCTS	322	134	64	16	18	20	16	8	22	2	2	20
GRICULTURAL CHEMICALS	106	16	16	8	12	8	10	4	10	10		12
THER CHEMICAL PRODUCTS	256	94	46	12	14	22	22	8	20	2		16
ROLEUM AND COAL PRODUCTS	360	100	68	46	16	36	26	2	18	2	2	44
ETROLEUM REFINING	214	54	38	28	10	30	8	2	10	2		32
SPHALT PAVING AND ROOFING MATERIALS	108	34	20	16	4	6	14		6		2	6
SCELLANEOUS PETROLEUM AND COAL RODUCTS	38	12	10	2	2		4		2			6
ER AND MISCELLANEOUS PLASTICS DUCTS	3,364	956	1,046	244	90	178	358	68	130	26	8	260
BBER AND PLASTICS FOOTWEAR	18	6	4	4					4			
SE, BELTING, GASKETS AND ACKING	102	26	30	14	2	4	14	4		2		6

TABLE 4 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989

INDUSTRY BY ACCIDENT TYPE

INDUSTRY	TOTAL	OVEREXERT-ION	STRUCK BY OR AGAINST	FALLS		BODILY REACTION	CAUGHT IN OR BETWEEN	RUBBED OR ABRADED	CONTACT WITH RADIATIONS, CAUSTICS, ETC.	HIGHWAY MOTOR VEHICLE ACCIDENTS	NON-HIGHWAY MOTOR VEHICLE & EQUIPMENT ACCIDENTS	OTHER OR NOT STATED
				ON SAME LEVEL	FROM ELEVATION							
OTHER FABRICATED RUBBER PRODUCTS	476	152	154	26	6	28	52	4	18		2	34
MISCELLANEOUS PLASTICS PRODUCTS	2,768	772	858	200	82	146	292	60	108	24	6	220
ATHER AND LEATHER PRODUCTS	156	46	50	8	6	6	26	2	2	2		8
ONE, CLAY, AND GLASS PRODUCTS	3,598	1,102	978	190	218	252	276	124	136	118	28	176
FLAT GLASS	68	22	22	6	6	8	2			2		
GLASS AND GLASSWARE, PRESSED OR BLOWN	384	126	80	30	16	38	28	16	12	2	8	28
PRODUCTS MADE OF PURCHASED GLASS	276	104	118	4	12	2	20	2	2	2		10
CEMENT, HYDRALIC	64	14	12	6	2	4	2	2	8			14
STRUCTURAL CLAY PRODUCTS	204	56	74	8	8	18	22	4	2	2	4	6
POTTERY AND RELATED PRODUCTS	200	102	44	10	2		14	4	8			16
CONCRETE, GYPSUM, AND PLASTER PRODUCTS	2,030	514	538	110	160	168	168	84	80	106	14	88
CUT STONE AND STONE PRODUCTS	66	28	24			2	6		2	4		
MISCELLANEOUS NONMETALLIC MINERAL PRODUCTS	306	136	66	16	12	12	14	12	22		2	14
PRIMARY METAL INDUSTRIES	2,398	724	710	146	46	128	220	82	80	18	20	224
BLAST FURNACES AND BASIC STEEL PRODUCTS	598	170	168	52	22	44	46	24	20	6	4	42
IRON AND STEEL FOUNDRIES	454	138	138	30	4	12	42	28	12	4	2	44
PRIMARY AND SECONDARY NONFERROUS METALS	168	32	48	18		8	18	6	8	2	6	22
NONFERROUS ROLLING AND DRAWING	554	192	152	28	10	42	50	14	22		6	38
NONFERROUS FOUNDRIES	502	152	178	16	6	14	52	10	12			62
MISCELLANEOUS PRIMARY METAL PRODUCTS	122	40	26	2	4	8	12		6	6	2	16
FABRICATED METAL PRODUCTS	6,980	1,968	2,492	304	206	390	582	220	378	60	32	348
METAL CANS AND SHIPPING CONTAINERS	394	110	114	18	22	30	44	6	12	2	8	28
CUTLERY, HAND TOOLS, AND HARDWARE	382	130	150	16		22	26	8	12	4		14
PLUMBING AND HEATING EQUIPMENT, EXCEPT ELECTRIC AND WARM AIR	368	122	128	26	6	18	30	10	8		2	18

TABLE 4 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989
INDUSTRY BY ACCIDENT TYPE

SYM-SB198T-4

INDUSTRY	TOTAL	OVEREXERT-ION	STRUCK BY OR AGAINST	FALLS		BODILY REACTION	CAUGHT IN OR BETWEEN	RUBBED OR ABRADED	CONTACT WITH RADIATIONS, CAUSTICS, ETC.	HIGHWAY MOTOR VEHICLE ACCIDENTS	NON-HIGHWAY MOTOR VEHICLE & EQUIPMENT ACCIDENTS	OTHER OR NOT STATED
				ON SAME LEVEL	FROM ELEVATION							
FABRICATED STRUCTURAL METAL PRODUCTS	3,156	870	1,246	122	112	178	218	98	140	30	8	134
SCREW MACHINE PRODUCTS, BOLTS, ETC.	334	88	106	20	12	24	26	14	18	2	2	22
METAL METAL FORGINGS AND STAMPINGS	548	144	218	20	18	24	50	16	30	4		24
COATING, ENGRAVING, & ALLIED SVCS	798	218	206	50	24	40	68	34	108	12	4	34
ORDANCE AND ACCESSORIES, EXCEPT VEHICLES AND GUIDED MISSILES	150	52	26	10	4	16	12	2	10		4	14
MISCELLANEOUS FABRICATED METAL PRODUCTS	850	234	298	22	8	38	108	32	40	6	4	60
'DUSTRIAL AND COMMERCIAL MACHINERY .ND COMPUTER EQUIPMENT	5,968	1,706	1,960	360	172	376	442	172	290	72	8	410
ENGINES AND TURBINES	142	30	42	16	10	12	10	6	8		2	6
FARM AND GARDEN MACHINERY	286	74	108	8	12	20	16	12	22			14
CONSTRUCTION AND RELATED MACHINERY	612	182	232	20	12	38	36	12	34	8	4	34
METALWORKING MACHINERY	554	158	200	22	12	22	58	30	18	6		28
SPECIAL INDUSTRY MACHINERY	496	130	150	32	20	34	50	18	18	6	2	36
GEBERAL INDUSTRIAL MACHINERY	662	216	220	44	16	46	46	6	22	6		40
OMPUTER ABD OFFICE EQUIPMENT	1,134	426	166	122	38	126	38	14	52	28		124
EFRIGERATION AND SERVICE MACHINERY	388	132	120	20	16	20	26	8	20	2		24
ISCELLANEOUS INDUSTRIAL AND COMMERCIAL MACHINERY AND EQUIPMENT	1,694	358	722	76	36	58	162	66	96	16		104
CTRONIC AND OTHER ELECTRICAL UIPMENT, EXCEPT COMPUTER EQUIPMENT	5,012	1,562	1,042	550	138	374	326	100	484	62	4	370
LECTRIC DISTRIBUTION EQUIPMENT	284	112	56	18	14	28	16	6	12			22
LECTRICAL INDUSTRIAL APPARATUS	168	54	48	20	2	6	12	4	14			8
OUSEHOLD APPLIANCES	106	34	32	8	8	4	6	4	10			
LECTRIC LIGHTING AND WIRING EQUIPMENT	534	206	148	42	16	24	56		16	2		24
OUSEHOLD AUDIO AND VIDEO EQUIPMENT	278	114	62	22	4	18	28	8	4	4		14
OMMUNICATIONS EQUIPMENT	430	134	62	62	22	32	16	8	36	14		44
LECTRONIC COMPONENTS AND												

TABLE 4 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989
INDUSTRY BY ACCIDENT TYPE

INDUSTRY	TOTAL	OVEREXERT-ION	STRUCK BY OR AGAINST	FALLS		BODILY REACTION	CAUGHT IN OR BETWEEN	RUBBED OR ABRADED	CONTACT WITH RADIATIONS, CAUSTICS, ETC.	HIGHWAY MOTOR VEHICLE ACCIDENTS	NON-HIGHWAY MOTOR VEHICLE & EQUIPMENT ACCIDENTS	OTHER OR NOT STATED
				ON SAME LEVEL	FROM ELEVATION							
ACCESSORIES	2,614	702	512	324	58	202	136	62	350	42		226
MISCELLANEOUS ELECTRICAL EQUIPMENT AND SUPPLIES	598	206	122	54	14	60	56	8	42		4	32
ANSPORTATION EQUIPMENT	8,020	2,488	2,018	670	308	888	344	196	302	96	28	682
MOTOR VEHICLES AND EQUIPMENT	2,398	766	734	114	72	198	154	88	88	12	10	162
AIRCRAFT AND PARTS	4,264	1,278	956	450	166	556	126	72	148	68	16	428
SHIP AND BOAT BUILDING AND REPAIRING	286	68	74	20	12	22	26	12	32	2		18
GUIDED MISSILES AND SPACE VEHICLES	652	248	108	58	36	88	18	8	26	12	2	48
MISCELLANEOUS TRANSPORTATION EQUIPMENT	420	128	146	28	22	24	20	16	8	2		26
STRUMENTS AND RELATED PRODUCTS	3,622	1,206	624	378	114	346	102	76	242	54	8	472
SEARCH AND NAVIGATION EQUIPMENT	1,458	428	180	174	60	164	26	14	96	22	2	292
MEASURING AND CONTROLLING DEVICES	1,132	414	246	98	40	90	42	28	48	18	2	106
MEDICAL INSTRUMENTS AND SUPPLIES	734	260	136	60	10	66	22	24	76	10	4	66
OPHTHALMIC GOODS	150	52	24	26	4	12	4	6	18			4
OTHER INSTRUMENTS AND RELATED PRODUCTS	148	52	38	20		14	8	4	4	4		4
CELLANEOUS MANUFACTURING INDUSTRIES	1,284	370	404	90	64	58	94	26	102	10	2	64
OYS AND SPORTING GOODS	372	112	132	28	8	10	32	4	34			12
IGNS AND ADVERTISING DISPLAYS	302	78	106	8	40	16	10	14	12	4		14
THER MANUFACTURING INDUSTRIES	610	180	166	54	16	32	52	8	56	6	2	38
ANSPORTATION AND PUBLIC UTILITIES	27,726	9,356	5,286	1,810	2,092	2,698	1,282	434	716	2,160	158	1,734
AL AND INTERURBAN PASSENGER TRANSIT	2,002	704	256	106	64	180	62	16	38	452	4	120
CKING AND WAREHOUSING	12,290	4,136	2,538	748	1,186	1,052	598	178	166	1,130	84	474
ER TRANSPORTATION	146	44	24	12	10	18	8		4	6	2	18
ANSPORTATION BY AIR	5,502	2,086	994	324	302	460	306	82	232	128	40	548
ELINES, EXCEPT NATURAL GAS	10	4				4						2
ISPORTATION SERVICES	800	234	212	60	48	70	40	18	18	60	2	38
UNICATIONS	3,008	762	450	310	258	510	80	40	158	154		286

TABLE 4 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989
INDUSTRY BY ACCIDENT TYPE

INDUSTRY	TOTAL	OVEREXERT-ION	STRUCK BY OR AGAINST	FALLS		BODILY REACTION	CAUGHT IN OR BETWEEN	RUBBED OR ABRADED	CONTACT WITH RADIATIONS, CAUSTICS, ETC.	HIGHWAY MOTOR VEHICLE ACCIDENTS	NON-HIGHWAY MOTOR VEHICLE & EQUIPMENT ACCIDENTS	OTHER OR NOT STATED
				ON SAME LEVEL	FROM ELEVATION							
LECTRIC, GAS, AND SANITARY SERVICES	3,968	1,386	812	250	224	404	188	100	100	230	26	248
ELECTRIC SERVICES	292	102	42	22	12	26	10	8	14	8		48
GAS PRODUCTION AND DISTRIBUTION	270	68	44	30	12	42	2	14	6	28		24
COMBINATION UTILITY SERVICES	382	138	54	20	10	70	8		8	42		32
WATER SUPPLY	144	58	28	12	10	20		2	4	4		6
SANITARY SERVICES	2,830	1,006	634	160	174	242	168	76	68	146	24	132
STEAM SUPPLY AND IRRIGATION SYSTEMS	50	14	10	6	6	4				2	2	6
WHOLESALE TRADE	25588	9564	6482	1692	1468	1764	1228	378	482	1190	252	1088
OLESALE TRADE--DURABLE GOODS	12,202	4,120	3,428	700	692	760	604	252	252	696	64	634
MOTOR VEHICLES & MOTOR VEHICLE PARTS AND SUPPLIES	1,768	620	476	110	66	116	74	44	40	128	8	86
FURNITURE AND HOMEFURNISHINGS	500	188	168	32	22	14	18	16	4	18	2	18
LUMBER AND OTHER CONSTRUCTION MATERIALS	1,450	434	478	66	140	76	96	32	18	52	12	46
PROFESSIONAL & COMMERCIAL EQUIPMENT AND SUPPLIES	1,738	730	288	120	58	122	48	12	26	200	4	130
METALS AND MINERALS, EXCEPT PETROL	646	188	220	42	26	54	52	8	12	18		26
ELECTRICAL GOODS	1,274	464	262	90	82	112	46	12	20	96	4	86
HARDWARE, & PLUMBING & HEATING EQUIPMENT AND SUPPLIES	924	374	274	32	72	52	24	20	4	42	10	20
MACHINERY, EQUIPMENT, AND SUPPLIES	2,444	730	798	108	138	140	148	74	80	112	16	100
MISCELLANEOUS DURABLE GOODS	1,458	392	464	100	88	74	98	34	48	30	8	122
LESALE TRADE--NONDURABLE GOODS	13,386	5,444	3,054	992	776	1,004	624	126	230	494	188	454
PAPER AND PAPER PRODUCTS	572	226	142	54	36	22	28	2	6	16	20	20
DRUGS, DRUG PROPRIETARIES, AND DRUGGISTS' SUNDRIES	0											
APPAREL, PIECE GOODS, AND NOTIONS	480	216	64	40	26	32	10	6	6	54	4	22
GROCERIES AND RELATED PRODUCTS	394	164	112	26	22	16	18	4	4	18		10
	7,010	2,702	1,668	576	406	602	370	56	96	216	106	212

TABLE 4 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989
INDUSTRY BY ACCIDENT TYPE

SYM-SB198T-4

INDUSTRY	TOTAL	OVEREXERT-ION	STRUCK BY OR AGAINST	FALLS		BODILY REACTION	CAUGHT IN OR BETWEEN	RUBBED OR ABRADED	CONTACT WITH RADIATIONS, CAUSTICS, ETC.	HIGHWAY MOTOR VEHICLE ACCIDENTS	NON-HIGHWAY MOTOR VEHICLE & EQUIPMENT ACCIDENTS	OTHER OR NOT STATED
				ON SAME LEVEL	FROM ELEVATION							
FARM-PRODUCT RAW MATERIALS	246	74	62	14	26	20	16	6	14			14
CHEMICALS AND ALLIED PRODUCTS	260	100	42	12	16	8	20	10	22	18		12
PETROLEUM AND PETROLEUM PRODUCTS	490	134	90	52	50	52	6	6	28	34		38
BEER, WINE, AND DISTILLED ALCOHOLIC BEVERAGES	0											
MISCELLANEOUS NONDURABLE GOODS	1,342	682	272	78	50	98	50	12	6	46	6	42
	2,592	1,146	602	140	144	154	106	24	48	92	52	84
RETAIL TRADE	73,498	21,474	23,410	8,720	2,790	5,238	2,492	896	1,430	1,262	226	5,560
ILDING MATERIALS & GARDEN SUPPLIES	5,338	2,000	1,852	268	276	310	174	96	92	84	22	164
NERAL MERCHANT STORES	9,052	3,308	2,456	1,110	498	730	274	88	174	72	24	318
OD STORES	18,102	6,648	5,900	1,586	410	1,228	766	134	204	82	158	986
TOMOTIVE DEALERS AND SERVICE TATIONS	8,366	2,224	2,564	612	276	688	344	376	306	430	6	540
PAREL AND ACCESSORY STORES	1,796	504	486	230	198	164	62	18	14	14		106
RNITURE AND HOMEFURNISHINGS STORES	2,994	1,264	836	198	174	182	88	50	28	74	4	96
TING AND DRINKING PLACES	22,010	3,530	7,708	4,204	624	1,462	598	88	518	276	2	3,000
SCELLANEOUS RETAIL	5,840	1,996	1,608	512	334	474	186	46	94	230	10	350
RUG STORES AND PROPRIETARY STORES	2,320	870	636	182	94	194	62	20	36	36	4	186
ONSTORE RETAILERS	496	154	78	58	42	60	10	6	4	48		36
ETAIL STORES, N.E.C.	3,024	972	894	272	198	220	114	20	54	146	6	128
INANCE, INSURANCE, AND REAL ESTATE	10,226	2,576	1,968	1,498	814	856	326	132	228	558	22	1,248
OSITORY INSTITUTIONS	2,974	750	446	484	170	258	102	28	38	160		538
DEPOSITORY CREDIT INSTITUTIONS	384	84	66	78	24	26	6	2	6	36		56
URITY, COMMODITY BROKERS AND SERVICES	196	54	30	34	14	10	2	2		10		40
JRANCE CARRIERS	1,002	260	116	168	58	86	8	4	16	96		190
JRANCE AGENTS, BROKERS, AND SERVICE	768	178	78	128	54	90	12	2	14	82		130

TABLE 4 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989
INDUSTRY BY ACCIDENT TYPE

SYM-SB198T-4

INDUSTRY	TOTAL	OVEREXERT-ION	STRUCK BY OR AGAINST	FALLS		BODILY REACTION	CAUGHT IN OR BETWEEN	RUBBED OR ABRADED	CONTACT WITH RADIATIONS, CAUSTICS, ETC.	HIGHWAY MOTOR VEHICLE ACCIDENTS	NON-HIGHWAY MOTOR VEHICLE & EQUIPMENT ACCIDENTS	OTHER OR NOT STATED
				ON SAME LEVEL	FROM ELEVATION							
EAL ESTATE	4,770	1,218	1,190	592	492	372	196	90	146	172	22	280
OLDING AND OTHER INVESTMENT OFFICES	132	32	42	14	2	14		4	8	2		14
SERVICES	76,494	25,340	17,206	8,912	3,494	7,060	2,566	1,012	3,298	2,264	184	5,158
OTELS AND OTHER LODGING PLACES	7,244	1,978	1,840	1,236	348	702	228	72	278	46	12	504
ERSONAL SERVICES	2,330	776	520	244	86	176	112	24	106	80	2	204
USINESS SERVICES	17,534	5,038	4,626	1,826	1,054	1,354	886	272	598	774	70	1,036
SERVICES TO DWELLINGS AND OTHER BLDGS	3,270	944	722	494	246	288	104	40	126	130	2	174
MISCELLANEOUS EQUIPMENT RENTAL AND LEASING	1,522	452	450	76	98	88	92	40	44	82	14	86
PERSONNEL SUPPLY SERVICES	7,362	2,368	2,176	614	358	396	506	124	282	136	32	370
COMPUTER PROGRAMMING, DATA PROC., & OTHER COMPUTER RELATED SERVICES	766	282	96	100	30	62	14	10	24	58	2	88
OTHER BUSINESS SERVICES	4,614	992	1,182	542	322	520	170	58	122	368	20	318
TO REPAIR, SERVICES, AND PARKING	5,240	1,044	1,744	342	182	468	308	212	242	362	6	330
SCELLANEOUS REPAIR SERVICES	1,820	486	654	82	86	88	108	70	90	60	8	88
TION PICTURES	1,388	318	330	198	102	148	50	26	70	50	6	90
USEMENT AND RECREATION SERVICES	5,164	1,182	1,440	592	328	818	158	68	180	54	54	290
ALTH SERVICES	22,958	10,938	3,454	2,438	448	2,002	454	132	1,226	274	6	1,586
OFFICES AND CLINICS OR DOCTORS OF MEDICINE	1,810	594	234	206	74	198	24	12	130	40	2	296
URSING AND PERSONAL CARE FACILITIES	6,386	3,424	1,106	746	58	408	108	26	186	16		308
OSPITALS	13,076	6,312	1,812	1,304	246	1,264	300	76	816	100	2	844
THER HEALTH AND ALLIED SERVICES	1,686	608	302	182	70	132	22	18	94	118	2	138
AL SERVICES	696	178	82	132	40	72	10	4	16	72		90
CATIONAL SERVICES	1,972	500	394	326	154	210	28	30	82	46	6	196
LEMENTARY AND SECONDARY SCHOOLS	654	146	156	146	62	76	4	8	24	2		30
OLLEGES, UNIVERSITIES, PROFESSIONAL SCHOOLS, AND JUNIOR COLLEGES	1,008	294	184	132	72	96	16	16	46	30	6	116

TABLE 4 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989
INDUSTRY BY ACCIDENT TYPE

SYM-SB198T-4

INDUSTRY	TOTAL	OVEREXERT-ION	STRUCK BY OR AGAINST	FALLS		BODILY REACTION	CAUGHT IN OR BETWEEN	RUBBED OR ABRADED	CONTACT WITH RADIATIONS, CAUSTICS, ETC.	HIGHWAY MOTOR VEHICLE ACCIDENTS	NON-HIGHWAY MOTOR VEHICLE & EQUIPMENT ACCIDENTS	OTHER OR NOT STATED
				ON SAME LEVEL	FROM ELEVATION							
OTHER EDUCATIONAL SERVICES	310	60	54	48	20	38	8	6	12	14		50
SOCIAL SERVICES	4,870	1,508	1,088	786	226	474	108	34	172	162	4	308
INDIVIDUAL & FAMILY SOCIAL SERVICES	1,114	362	214	166	58	118	18	10	32	54		82
JOB TRAINING AND VOCATIONAL REHAB SERVICES	996	278	278	132	58	58	34	12	38	44	2	62
CHILD DAY CARE SERVICES	694	170	120	188	32	106	10	2	36	6		24
RESIDENTIAL CARE	1,720	594	402	250	60	164	34	8	52	36	2	118
SOCIAL SERVICES, N.E.C.	346	104	74	50	18	28	12	2	14	22		22
USEUMS, BOTANICAL, ZOOLOGICAL GARDENS	168	62	42	20	6	14	2	2	6	4		10
EMBERSHIP ORGANIZATIONS	1,938	450	372	286	200	222	42	22	56	98	2	188
NGINEERING, ACCTG, & MGMT SERVICES	2,816	808	558	338	170	280	62	42	164	164	8	222
RIVATE HOUSEHOLDS	278	58	46	62	56	26	4	2	6	6		12
ERVICES, N.E.C.	78	16	16	4	8	6	6		6	12		4
STATE AND LOCAL GOVERNMENT	66,330	20,350	12,338	7,074	2,500	8,460	1,420	772	3,406	2,784	158	7,068
ATE												
HEALTH SERVICES	12,540	3,474	2,320	1,314	448	1,498	276	112	710	434	22	1,932
EDUCATIONAL SERVICES	2,736	1,054	734	274	52	248	60	8	116	16	4	170
PUBLIC ORDER AND SAFETY	2,062	736	346	206	106	238	48	16	104	42	8	212
OTHER STATE GOVERNMENT	3,854	638	686	400	102	566	100	38	210	132		982
	3,888	1,046	554	434	188	446	68	50	280	244	10	568
CAL GOVERNMENT	53,790	16,876	10,018	5,760	2,052	6,962	1,144	660	2,696	2,350	136	5,136
IGHWAY AND STREET CONSTRUCTION AND MAINTENANCE	2,250	818	448	128	104	286	60	48	92	100	26	140
OCAL AND SURBURBAN TRANSPORTATION	3,108	924	458	168	68	386	80	66	124	418	2	414
TILITIES	3,780	1,424	712	264	154	460	148	74	194	166	28	156
ELECTRIC AND GAS ULTILITIES	644	178	132	50	32	96	18	16	36	44	6	36
WATER SUPPLY	1,174	434	220	80	56	128	58	24	68	50	2	54

TABLE 4 - DISABLING NONFATAL WORK INJURIES AND ILLNESSES UNDER WORKER'S COMPENSATION*, CALIFORNIA, 1989
INDUSTRY BY ACCIDENT TYPE

SYM-SB198T-4

INDUSTRY	TOTAL	OVEREXERT-ION	STRUCK BY OR AGAINST	FALLS		BODILY REACTION	CAUGHT IN OR BETWEEN	RUBBED OR ABRADED	CONTACT WITH RADIATIONS, CAUSTICS, ETC.	HIGHWAY MOTOR VEHICLE ACCIDENTS	NON-HIGHWAY MOTOR VEHICLE & EQUIPMENT ACCIDENTS	OTHER OR NOT STATED
				ON SAME LEVEL	FROM ELEVATION							
SANITARY SERVICES	1,756	740	320	122	56	208	68	32	78	58	18	56
SEWAGE SERVICES	470	182	66	62	20	46	22	10	32	12		18
REFUSE SYSTEMS	1,188	520	238	54	32	146	44	18	44	38	16	38
SANITARY SERVICES, N.E.C.	98	38	16	6	4	16	2	4	2	8	2	
OTHER UTILITIES	206	72	40	12	10	28	4	2	12	14	2	10
PARKS AND RECREATION	1,996	672	428	174	92	274	40	40	86	70	14	106
HOSPITALS	3,804	1,696	604	416	56	408	86	30	204	22	2	280
EDUCATIONAL SERVICES	19,016	6,020	4,058	2,694	790	2,256	404	188	778	400	44	1,384
ELEMENTARY AND SECONDARY SCHOOLS	17,710	5,614	3,826	2,542	736	2,106	378	162	694	380	36	1,236
COLLEGES, UNIVERSITIES, PROF. SCHOOLS, AND JUNIOR COLLEGES	1,140	342	212	140	48	126	22	24	72	16	8	130
OTHER EDUCATIONAL SERVICES	166	64	20	12	6	24	4	2	12	4		18
SOCIAL SERVICES	1,958	574	278	308	84	156	30	10	110	130	2	276
PUBLIC ORDER AND SAFETY	12,602	3,158	2,144	992	474	2,136	186	162	860	784	2	1,704
POLICE PROTECTION	6,200	1,188	1,242	556	250	954	80	56	366	672	2	834
FIRE PROTECTION	4,782	1,658	554	244	178	1,004	70	92	262	84		636
PUBLIC ORDER AND SAFETY, N.E.C.	1,620	312	348	192	46	178	36	14	232	28		234
OTHER LOCAL GOVERNMENT	5,276	1,590	888	616	230	600	110	42	248	260	16	676

* DISABILITY CAUSING ABSENCE FROM WORK FOR AT LEAST A FULL DAY OR SHIFT BEYOND THE DAY OF THE OCCURRENCE. EXCLUDES WORK IJURIES AND ILLNESSES TO EMPLOYEES NOT COVERED BY THE CALIFORNIA WORKERS' COMPENSATION ACT, SUCH AS AMARITIME WORKERS, FEDERAL IPLOYEES, AND RAILROAD EMPLOYEES IN INTERSTATE COMMERCE.

116Q010A-7 5/28/91
Ref. Pgs. 21,24
Pg 1 of __pgs

ELECTRONIC CHROME
SAFETY TRAINING/MEETING DOCUMENTATION
EMPLOYEE SIGN-UP SHEET

Date: Nov. 23, 1991 **Time:** 9:00 AM/PM to 3:00 AM/PM = 6 **HRS**

Chairperson: Mike Reed and Barry Brown/BAB-CAN CONSULTING

Agenda/Safety Award(s): Not Applicable

Topics Discussed/Codes of Safe Practice: Hazard Communication Program and SB-198 Program including employee rights under the program, suggestion form, disciplinary program, evacuation procedures, responsibilities, etc. (see outline attached) Codes of Safe Practice-General; Good Housekeeping, Fire Prevention, Lifting, and Codes of Safe Practice-Specific; Janitor, Truck Driver, Plater, Plater Helper, Grinder, Hazardous Waste Technician, Office, Customer Service, Maintenance, Inspector, Oven Operator and Shipping/Receiving

Training Aids Used: Hazard Communication tape in english & spanish tests on comprehension of the hazard communication training and SB-198 Program and employee manuals.

Work Location/Job Safety Class(es) Included: Janitor, Truck Driver, Plater, Plater Helper, Grinder, Hazardous Waste Technician, Customer Service, Maintenance, Inspector, Oven Operator and Shipping/Receiving

Visitor(s) Name and Title: Barry A. Brown - President
Denise Alexander - Vice President

Business Affiliation: BAB-CAN CONSULTING

Attendees (please and sign your name legibly.)

TYPED NAME	SIGNATURE
MIKE REED	Mike Reed
LUCIANO GONZALEZ	Luciano Gonzalez
LEONEL MARTINEZ	Leonel Martinez
JUAN GONZALEZ	Juan Gonzalez
SERGIO VALENZUELA	
MANUEL VENTURA	Manuel Ventura
ALEJANDRO VARGAS	Alejandro Vargas
ROBERT CUEVAS	Robert Cuevas
ERIC ST. AMANT	Eric St. Amant
DALE REED	Dale Reed
RYAN REED	Ryan Reed

ELECTRONIC CHROME
SAFETY TRAINING/MEETING DOCUMENTATION
EMPLOYEE SIGN-UP SHEET

Date: Nov. 23, 1991 **Time:** 9:00 AM/PM to ___:___ AM/PM = _____ **HRS**

CLIFF BERRY	Cliff Berry
CARLOS OCHOA	Carlos Ochoa
MELICIO ROBLES	Melicio Robles
LARRY HANSEN	
JORGE GONZALEZ	Jorge Gonzalez

OUTLINE FOR SB198 INJURY AND ILLNESS PREVENTION PROGRAM

1. COMMITMENT TO SAFETY AND HEALTH

   Establish an Injury and Illness Prevention Program to prevent workplace accidents, injuries, and illnesses.

2. PURPOSE

   Guide for all employees to assist them in establishing and maintaining the highest level of safety and health conditions for our facility.

3. HOUSEKEEPING

4. RESPONSIBILITY

   A. Program Administrator

      a. Training managers and supervisors

      b. Training of employees

      c. Inspecting, recognizing, and evaluating workplace hazards

      d. Developing methods for abating workplace hazards;

      e. Ensuring that workplace hazards are abated

      f. Responsible for maintenance of equipment and systems

   B. Emergency Coordinator

      a. Responsible for coordinating all emergency response

   C. Managers and Supervisors

      a. Know the rules of safety.

      b. Set a good example.

      c. Encourage your employees

      d. Anticipate hazards before they occur

      e. Motivate your employees to work safely

      f. Investigate and analyze every accident and near miss.

      g. Cooperate

   D. Employees

      Responsibility

5. HAZARD ASSESSMENT CONTROL BASED UPON;

   A. Identification of workplace hazards

      a. Employee job responsibilities

      b. Potential occupational safety and health hazards

      c. Material Safety Data Sheets

      d. Investigation

   B. "Codes of Safe Practice"

   C. Periodic Scheduled Inspection

      a. General Facility

      b. Job Stations

   D. Unscheduled Inspections

   E. New Hazard Discovered

      a. Identification

   F. New Processes, Substances, Procedures or Equipment

   G. Employee Reporting of Hazards

6. MONITORING AND CORRECTING IDENTIFIED POTENTIAL SAFETY AND HEALTH CONCERNS

   A. Newly Discovered Safety and Health Concerns

   B. Hazards Which Give Rise to a Risk of Imminent Harm

7. RESPONSE PROCEDURE FOR OCCURRENCE OF INCIDENTS OR EMERGENCIES

   B. Non-emergency case procedures to follow:

   C. Response procedure

      a. Evacuation Procedure

      b. Fire

      c. Uncontrollable Fire

      d. Explosion

      e. Acts-of-God Occurrences

      f. Response for Spills/Leaks

8. GENERAL CODES OF SAFE PRACTICE

9. COMMUNICATION ON SAFETY AND HEALTH

   A. Safety Meetings

   B. Anonymous Notification Procedures

   C. Postings

   D. Training

10. ENFORCEMENT OF THE SAFETY PROGRAM

   A. Incentive Program

   B. Disciplinary System

11. SAFETY AMD HEALTH TRAINING CURRENT EMPLOYEES

   A. Codes of Safe Practice

12. ACCIDENT INVESTIGATION

   A. All work-related accidents and near misses

1. COMMITMENT TO SAFETY AND HEALTH

To achieve this goal we have complied with Cal/OSHA General Industry Safety Order 3202 by establishing an Injury and Illness Prevention Program to prevent workplace accidents, injuries, and illnesses. A complete copy of the program is maintained in the office and is available for your review. The relevant portion of the program applicable to you and your job station is also provided to you.

2. PURPOSE

Guide for all employees to assist them in establishing and maintaining the highest level of safety and health conditions for our facility. The information in this manual reflects our senior management's position on employee safety. It is each manager, supervisor, and employee's responsibility to know our safety policy. All employees must be aware of our commitment and their job safety responsibilities.

3. HOUSEKEEPING

Good Housekeeping Codes of Safe Practice is an integral part of any effective safety program. Each employee is responsible for keeping his or her work area neat and orderly. Housekeeping inspections will be conducted in each department on a regular basis. The following is an excerpt from our Good Housekeeping Codes of Safe Practice that are general in nature and apply to everyone.

Employees shall maintain a clean work area. Good housekeeping means taking an orderly and well-planned approach to every job. When everything is in order; tools properly stacked and arranged, etc., most of the hazards will have been removed. When assigned a project, plan ahead. Set things up and think how the area must be arranged to prevent trips, slips, falls, objects falling, your hands getting caught in pinch points, awkward lifting positions, and inspect all materials you will be working with to insure they are free from defects. Housekeeping is the first rule of safety. Clear aisles make for easier walking, carrying, forklift operation and electric cart operation.

Plan ahead, think how the area must be arranged to prevent trips, slips, falls, objects falling, your hands getting caught in pinch points, awkward lifting positions, and inspect all materials you will be working with to insure they are free from defects. Housekeeping is the first rule of safety. Clear aisles make for easier walking, carrying, forklift operation and electric cart operation.

4. RESPONSIBILITY

A. Program Administrator -

Is responsible for the overall implementation and maintenance of the company's Injury and Illness Prevention Program. Duties include, but are not limited to:

a. Training managers and supervisors in workplace safety and hazards to which employees may be exposed, as well as applicable laws, regulations and company safety rules and policies;

b. Training of employees with this program;

c. Inspecting, recognizing, and evaluating workplace hazards on a continuing basis;

d. Developing methods for abating workplace hazards;

e. Ensuring that workplace hazards are abated in a timely and effective manner;

f. Responsible for maintenance of equipment and systems installed to prevent or control ignitions or fires, including responsibility for the control of accumulation of flammable or combustible waste materials.

The Program Administrator will assign some of these tasks to other individuals but heremains ultimately responsible for the implementation and maintenance of our Injury and Illness Prevention Program.

B. Emergency Coordinator -

Responsible for coordinating all emergency response measures.

C. Managers and Supervisors

Responsible to know our safety policy,

a. Know the rules of safety.

b. Set a good example.

c. Encourage your employees to discuss the hazards of their work with you. Be sure they understand and accept our codes of safe practice.

d. Anticipate hazards before they occur, or risks which may arise from changes in equipment or methods. Inspect the work environment regularly.

e. Motivate your employees to work safely by methods such as: periodic meetings, recognition for good safety records, use of educational materials (films, printed

matter, field demonstrations), and your personal approval of a difficult task well handled.

f. Investigate and analyze every accident and near miss. Correct the cause. Encourage employees to report minor injuries and near misses in order to avoid a possible major injury later.

g. Cooperate with others in your organization who are actively concerned with preventing accidents. Your combined purpose is to keep employees fully able and on the job.

D. Employees

Responsibility to prevent workplace accidents, injuries, and illnesses. Accomplished by knowing and understanding our safety policy, and cooperating with your supervisor and Program Administrator in accomplishing our overall goals.

5. HAZARD ASSESSMENT CONTROL BASED UPON;

A. Identification of workplace hazards based on review of:

a. Employee job responsibilities by station;

b. Potential occupational safety and health hazards by plant layout of job stations;

c. Material Safety Data Sheets which pertain to this location;

d. Investigation of all accidents, injuries, illnesses, and unusual events that have occurred at this location.

B. "Codes of Safe Practice" have been developed on safety related work procedures and conditions which, if complied with, minimize hazards. They are used for inspections, training and disciplinary purposes.

C. Periodic Scheduled Inspection of;

a. General Facility

b. Job Stations

D. Unscheduled Inspections

a. Chosen randomly with emphasis on most hazardous items and general housekeeping.

E. Inspection will triger the following if any new hazard is discovered;

a. Identify hazard to all employees

b. Add it to the Job Station Codes of Safe Practice and Inspection Forms.

F. New Processes, Substances, Procedures or Equipment

a. Program Administrator will arrange for inspection and investigation of any new process, substance, procedure, or equipment introduced into the workplace.

b. The Program Administrator will also arrange for an inspection and investigation whenever the company is made aware of a new or previously unrecognized hazard.

G. Employee Reporting of Hazards

a. Employees must immediately report any unsafe condition or hazard to their supervisor or the Program Administrator. No employee will be disciplined or discharged for reporting.

b. Employees who wish to remain anonymous may report unsafe conditions or hazards to the Program Administrator without identifying themselves by submitting comments on the Employee Safety Suggestion Information Form and placing it in the suggestion box located _____.

6. MONITORING AND CORRECTING IDENTIFIED POTENTIAL SAFETY AND HEALTH CONCERNS

A. Newly Discovered Safety and Health Concerns

a. Reviewed immediately to identify, evaluate and correct the situation.

B. Hazards Which Give Rise to a Risk of Imminent Harm

Whenever possible, it is our Company's intent to abate immediately any hazard which gives rise to a risk of imminent harm. When such a hazard exists which the Company cannot abate immediately without endangering employees and/or property, all exposed personnel will be removed from the area of potential exposure except those necessary to correct the hazardous condition. All employees involved in correcting the hazardous condition will receive appropriate training and will be provided with necessary safeguards and personal protective equipment.

7. RESPONSE PROCEDURES FOR OCCURRENCE OF INCIDENTS OR EMERGENCIES

A. Emergencies requiring medical attention respond as follows:

a. Manager is to be notified immediately regarding any accident.

b. **Call 911** for paramedics or ambulance and get medical help as situation requires.

c. Manager or designee will determine if employee can be transported in private vehicle to the clinic if appropriate.

d. The Manager will immediately fill out a "Accident, Injury and Illness Investigation Report".

B. Non-emergency case procedures to follow:

a. Supervisor will advise a Manager or, if he is not available, another supervisor and two will decide if the employee(s) has a work-related problem and should be sent to the clinic.

b. If there is a doubt, the employee(s) will be sent to the clinic with a notation made on the admittance slip as to the doubt.

c. If not work-related problem, the employee(s) will be advised to see their doctor.

d. The Supervisor will fill out a "Accident, Injury, and Illness Investigation Report".

C. Response procedure for control and termination of emergency incidents associated with controlled and uncontrolled fires, explosion, spills/leaks of hazardous materials and Act-Of-God occurrences such as earthquake, flood, atmospheric debris and other unforeseen occurrences which cannot be identified until it occurs. Command control during these unforeseen situations will be the Emergency Coordinator.

a. EVACUATION PROCEDURE

In the event of an emergency which would require total evacuation of the plant, notification will be made through the intercommunication and/or paging systems. The routes to be taken for evacuation are shown on the map in the office and other conspicuous locations through-out the facility.

Once evacuated, plant employees will assemble in the employee staging area, conditions permitting such as wind direction and traffic. A designated employee present will conduct a head count at the assembly area and report results to the Emergency Coordinator as soon as possible. Employees not able to report to an assembly area will contact the Emergency Coordinator as soon as possible.

b. Fire

Fire drills are conducted by regularly to acquaint employees with each one's responsibility and duties during a fire.

1. Maintenance mechanic employee will be notified by the Emergency Coordinator to stand by with tools available shut off gas and electrical services to the plant.

2. Traffic Control - One employee will be directed by the Emergency Coordinator to close the plant to all incoming traffic, except emergency vehicles and will keep the access road to the plant clear and unobstructed for emergency response teams.

3. Assembly Area - All employees not directly involved in fire control will assemble in the employee staging area away from the front of the plant and await instructions from plant management. A head count of all employees will be accomplished at assembly and prior to anyone leaving for home.

c. Uncontrollable Fire

1. Call for help - Alert employees through the intercommunication and/or paging system. Notify plant management and notify the fire department. **Dial 911**

2. Evacuate the area - Whenever possible, evacuate the hazard area by moving upwind from the fire. Follow evacuation procedure, if it becomes necessary to evacuate the site.

3. Follow management instructions - Report to the employee staging area for further direction. A head count of all employees will be accomplished at assembly and prior to anyone leaving for home.

d. Explosion

1. Call for help - Alert employees through the intercommunication and/or paging system. Notify plant management and notify the fire department. **Dial 911**

2. Evacuate the area - Whenever possible, evacuate the hazard area by moving upwind from the fire. Follow evacuation procedure, if it becomes necessary to evacuate the site.

3. Follow management instructions - Report to the employee staging area for further direction. A head count of all employees will be accomplished at assembly and prior to anyone leaving for home.

4. Equipment directly or indirectly affected by the explosion shall be removed from service once management has determined the area to be safe for entry. The affected equipment shall be inspected and certified fit prior to return to service.

5. Once the emergency condition is no longer imminent and site evacuation was deemed not to be necessary, employees are to meet at the employee staging area for a head count.

e. Acts-of-God Occurrences

Acts-of-God occurrences include earthquake, flood, etc. Should an event of this type occur, the following procedures should be followed:

1. Alert employees through the intercommunication and/or paging system.

2. The Emergency Coordinator is to notify the fire and police department, if possible, that the plant is being secured and will request that assistance, if necessary, is required.

3. The Emergency Coordinator will supervise the shutting down of plant operations and closing the plant.

4. The Emergency Coordinator will evacuate the plant to the employee staging area. A head count of all employees will be accomplished at assembly and prior to anyone leaving for home.

5. If a fire develops, follow emergency procedures for fire control.

6. If a spill occurs, follow emergency procedures for the appropriate spill response.

7. Maintain contact if possible with the fire and police department for information and instructions.

8. Once the emergency condition has subsided, the Emergency Coordinator will assess the conditions in the plant and initiate the necessary measures to correct any damage and place the plant into operation.

9. A facility evaluation inspection shall be performed after any major Act-Of-God (earthquakes, floods, storms, etc.)

f. Response for Spills/Leaks

It is anticipated that any spill/leak response will not be complex nor of great magnitude however, if additional equipment is required management will request the service from an outside source. In the event of a major spill/leak, the following procedures are to be followed by all employees:

1. Prevent Spreading <u>if this can be done safely</u> by;

a. Immediately stop the source by turning off equipment, righting a barrel, or other appropriate action.

b. Prevent flow by diking or other methods.

2. Summon Emergency Coordinator to the scene and inform the source and nature of the spill/leak and of mitigation activities which have been carried out up to that time.

3. The Emergency Coordinator will then assume responsibility for directing clean up activities.

8. GENERAL CODES OF SAFE PRACTICE

Our General Codes of Safe Practice are in your hand-out and will be posted. Everyone must follow the safety codes and any violations will result in discipline up to and including termination.

9. COMMUNICATION ON SAFETY AND HEALTH

A. Safety Meetings are conducted every month to include;

a. New hazards that have been introduced or discovered in the workplace;

b. Causes of recent accidents or injuries and the methods adopted by the Company to prevent similar incidents in the future; and

c. Any health or safety issue deemed by the manager to require reinforcement.

B. Anonymous Notification Procedures

Employees who wish to inform the Company of workplace hazards may do so anonymously by sending a written notification to the Program Administrator and will investigate all such reports in a prompt and thorough manner. Employee Safety Suggestion Information Forms will be available at the suggestion box at all times.

C. Postings

Regular safety information will posted for your review, along with new information on the company, your department, new safety issues and responses to your suggestions or reports of unsafe workplace conditions or practices.

D. Training

On general safety procedures, as well as on safety procedures specific to your job. Communication of Codes of Safe Practice for safe working conditions, work practices, and required personal protection.

10. ENFORCEMENT OF THE SAFETY PROGRAM

A. Incentive Program

Any employee who makes safety suggestions adopted by our company will receive recognition for their participation and enthusiasm in our safety program in the monthly safety meeting.

B. Disciplinary System

All job stations within our company have been assigned safety related codes and procedures. Serious violations of these codes could result in your dismissal from the job. Repeated violations will not be tolerated.

The company overall objective is not to terminate but to create a safe work environment. With this mind, the company has the discretion to use less severe forms of discipline in certain cases. These forms will be verbal and written warnings, probationary action and demotion. We will use the option to take one or more of these steps including termination depending upon the seriousness of the violation particularly whenever the violation could have resulted in an injury to a employee.

We will enforce all Company Safety Codes. Absolutely no one is exempt from following safe work practices.

11. SAFETY AND HEALTH TRAINING CURRENT EMPLOYEES

Our Company is committed to instructing all employees in safe and healthful work practices. To achieve this goal, our Company is providing training with regard to general safety procedures and with regard to any hazardous or safety procedures specific to that employee's work assignment.

Codes of Safe Practice have been developed which will be reviewed with all employees and a copy of these codes is provided to each employee.

11. ADDITIONAL SAFETY AND HEALTH TRAINING WILL OCCUR:

A. New employees upon hiring prior to assignment.

B. Employees are provided training when assigned to a job station for which training has not been received.

C. Whenever new substances, processes, procedures or equipment which represent a new hazard are introduced into the workplace;

D. Whenever the Company is made aware of a new or previously unrecognized hazard; and

E. Whenever the Company, the Program Administrator, or Manager/Supervisor believes that additional training is necessary.

F. Documentation of training is maintained for individual initial training and/or for group training sessions.

G. Refresher training is provided annually.

12. ACCIDENT INVESTIGATION

A. All work-related accidents will be investigated in a timely manner. Minor incidents and near misses will be investigated as well as serious accidents.

1. Near miss is an incident which could have resulted in a serious injury or significant property damage. Investigation of these instances may avoid serious accidents in the future.

B. Investigation reports and the necessary corrective actions, changes or additions to the "Codes of Safe Practice" will be initiated if necessary.

ELECTRONIC CHROME
INDIVIDUAL EMPLOYEE TRAINING/AGREEMENT DOCUMENTATION
INITIAL TRAINING

Name of Trainer BARRY BROWN/BAB-CAN CONSULTING Date Nov. 23, 1991

Training Subject SB-198 INJURY AND ILLNESS PROGRAM, GENERAL TRAINING AND SPECIFIC TRAINING FOR INSPECTOR OVEN OPERATOR, PLATER, AND SHIPPING/RECEIVING PERSONNEL

Training Materials Used SB-198 PROGRAM NOTEBOOK AND EMPLOYEE MANUAL

Name of Employee ROBERT CUEVAS

Date of Hire/Assignment Nov. 4, 1969

I, ROBERT CUEVAS hereby certify that I received training as described above in the following areas:

- The potential occupational hazards in general in the work area and associated with my job station.
- The Codes of Safe Practice which indicate the safe work conditions, safe work practices and personal protective equipment required for my work.
- The hazards of any chemicals to which I may be exposed and my right to information contained on Material Safety Data Sheets for those chemicals, and how to understand this information.
- My right to ask questions, or provide any information to the employer on safety either directly or anonymously without fear of reprisal.
- Disciplinary procedures the employer will use to enforce compliance with Codes of Safe Practice.

I understand this training and agree to comply with the Codes of Safe Practice for my Job Station and General Codes of Safe Practice for the entire facility. I also understand that a violation of these rules will result in a disciplinary action and I could be terminated from my job.

Robert Cuevas
Employee Signature

11-23-91
Date

Supervisor Signature

Date

ELECTRONIC CHROME
INDIVIDUAL EMPLOYEE TRAINING/AGREEMENT DOCUMENTATION
INITIAL TRAINING

Name of Trainer BARRY BROWN/BAB-CAN CONSULTING Date Nov. 23, 1991

Training Subject SB-198 INJURY AND ILLNESS PROGRAM, GENERAL TRAINING AND SPECIFIC TRAINING FOR JANITOR AND TRUCK DRIVER PERSONNEL

Training Materials Used SB-198 PROGRAM NOTEBOOK AND EMPLOYEE MANUAL

Name of Employee CARLOS OCHOA

Date of Hire/Assignment June 19, 1978

I, CARLOS OCHOA hereby certify that I received training as described above in the following areas:

- The potential occupational hazards in general in the work area and associated with my job station.
- The Codes of Safe Practice which indicate the safe work conditions, safe work practices and personal protective equipment required for my work.
- The hazards of any chemicals to which I may be exposed and my right to information contained on Material Safety Data Sheets for those chemicals, and how to understand this information.
- My right to ask questions, or provide any information to the employer on safety either directly or anonymously without fear of reprisal.
- Disciplinary procedures the employer will use to enforce compliance with Codes of Safe Practice.

I understand this training and agree to comply with the Codes of Safe Practice for my Job Station and General Codes of Safe Practice for the entire facility. I also understand that a violation of these rules will result in a disciplinary action and I could be terminated from my job.

Carlos Ochoa
Employee Signature

11-23-91
Date

Supervisor Signature

Date

ELECTRONIC CHROME
INDIVIDUAL EMPLOYEE TRAINING/AGREEMENT DOCUMENTATION
INITIAL TRAINING

Name of Trainer BARRY BROWN/BAB-CAN CONSULTING Date Nov. 23, 1991

Training Subject SB-198 INJURY AND ILLNESS PROGRAM, GENERAL TRAINING AND SPECIFIC TRAINING FOR HAZARDOUS WASTE TECHNICIAN, MAINTENANCE, OVEN OPERATOR AND PLATER

Training Materials Used SB-198 PROGRAM NOTEBOOK AND EMPLOYEE MANUAL

Name of Employee LUCIANO GONZALEZ

Date of Hire/Assignment Feb. 20, 1985

I, LUCIANO GONZALEZ hereby certify that I received training as described above in the following areas:

- The potential occupational hazards in general in the work area and associated with my job station.
- The Codes of Safe Practice which indicate the safe work conditions, safe work practices and personal protective equipment required for my work.
- The hazards of any chemicals to which I may be exposed and my right to information contained on Material Safety Data Sheets for those chemicals, and how to understand this information.
- My right to ask questions, or provide any information to the employer on safety either directly or anonymously without fear of reprisal.
- Disciplinary procedures the employer will use to enforce compliance with Codes of Safe Practice.

I understand this training and agree to comply with the Codes of Safe Practice for my Job Station and General Codes of Safe Practice for the entire facility. I also understand that a violation of these rules will result in a disciplinary action and I could be terminated from my job.

Luciano Gonzalez — 11-23-91
Employee Signature — Date

Supervisor Signature — Date

ELECTRONIC CHROME
INDIVIDUAL EMPLOYEE TRAINING/AGREEMENT DOCUMENTATION
INITIAL TRAINING

Name of Trainer BARRY BROWN/BAB-CAN CONSULTING Date Nov. 23, 1991

Training Subject SB-198 INJURY AND ILLNESS PROGRAM, GENERAL TRAINING AND SPECIFIC TRAINING FOR PLATER PERSONNEL

Training Materials Used SB-198 PROGRAM NOTEBOOK AND EMPLOYEE MANUAL

Name of Employee MELICIO ROBLES

Date of Hire/Assignment May 28, 1988

I, MELICIO ROBLES hereby certify that I received training as described above in the following areas:

- The potential occupational hazards in general in the work area and associated with my job station.
- The Codes of Safe Practice which indicate the safe work conditions, safe work practices and personal protective equipment required for my work.
- The hazards of any chemicals to which I may be exposed and my right to information contained on Material Safety Data Sheets for those chemicals, and how to understand this information.
- My right to ask questions, or provide any information to the employer on safety either directly or anonymously without fear of reprisal.
- Disciplinary procedures the employer will use to enforce compliance with Codes of Safe Practice.

I understand this training and agree to comply with the Codes of Safe Practice for my Job Station and General Codes of Safe Practice for the entire facility. I also understand that a violation of these rules will result in a disciplinary action and I could be terminated from my job.

Melicio Robles
Employee Signature

Date

Supervisor Signature

Date

ELECTRONIC CHROME
INDIVIDUAL EMPLOYEE TRAINING/AGREEMENT DOCUMENTATION
INITIAL TRAINING

Name of Trainer BARRY BROWN/BAB-CAN CONSULTING Date Nov. 23, 1991

Training Subject SB-198 INJURY AND ILLNESS PROGRAM, GENERAL TRAINING AND SPECIFIC TRAINING FOR PLATER HELPER PERSONNEL

Training Materials Used SB-198 PROGRAM NOTEBOOK AND EMPLOYEE MANUAL

Name of Employee LEONEL MARTINEZ

Date of Hire/Assignment Oct. 14, 1989

I, LEONEL MARTINEZ hereby certify that I received training as described above in the following areas:

- The potential occupational hazards in general in the work area and associated with my job station.
- The Codes of Safe Practice which indicate the safe work conditions, safe work practices and personal protective equipment required for my work.
- The hazards of any chemicals to which I may be exposed and my right to information contained on Material Safety Data Sheets for those chemicals, and how to understand this information.
- My right to ask questions, or provide any information to the employer on safety either directly or anonymously without fear of reprisal.
- Disciplinary procedures the employer will use to enforce compliance with Codes of Safe Practice.

I understand this training and agree to comply with the Codes of Safe Practice for my Job Station and General Codes of Safe Practice for the entire facility. I also understand that a violation of these rules will result in a disciplinary action and I could be terminated from my job.

Leonel Martinez 11/23/91
Employee Signature Date

Supervisor Signature Date

ELECTRONIC CHROME
INDIVIDUAL EMPLOYEE TRAINING/AGREEMENT DOCUMENTATION
INITIAL TRAINING

Name of Trainer BARRY BROWN/BAB-CAN CONSULTING Date Nov. 23, 1991

Training Subject SB-198 INJURY AND ILLNESS PROGRAM, GENERAL TRAINING AND SPECIFIC TRAINING FOR PLATER HELPER PERSONNEL

Training Materials Used SB-198 PROGRAM NOTEBOOK AND EMPLOYEE MANUAL

Name of Employee JORGE GONZALEZ

Date of Hire/Assignment March 15, 1990

I, JORGE GONZALEZ hereby certify that I received training as described above in the following areas:

- The potential occupational hazards in general in the work area and associated with my job station.
- The Codes of Safe Practice which indicate the safe work conditions, safe work practices and personal protective equipment required for my work.
- The hazards of any chemicals to which I may be exposed and my right to information contained on Material Safety Data Sheets for those chemicals, and how to understand this information.
- My right to ask questions, or provide any information to the employer on safety either directly or anonymously without fear of reprisal.
- Disciplinary procedures the employer will use to enforce compliance with Codes of Safe Practice.

I understand this training and agree to comply with the Codes of Safe Practice for my Job Station and General Codes of Safe Practice for the entire facility. I also understand that a violation of these rules will result in a disciplinary action and I could be terminated from my job.

Jorge Gonzalez — Nov. 23, 1991

Employee Signature — Date

Supervisor Signature — Date

ELECTRONIC CHROME
INDIVIDUAL EMPLOYEE TRAINING/AGREEMENT DOCUMENTATION
INITIAL TRAINING

Name of Trainer BARRY BROWN/BAB-CAN CONSULTING Date Nov. 23, 1991

Training Subject SB-198 INJURY AND ILLNESS PROGRAM, GENERAL TRAINING AND SPECIFIC TRAINING FOR PLATER HELPER PERSONNEL

Training Materials Used SB-198 PROGRAM NOTEBOOK AND EMPLOYEE MANUAL

Name of Employee ALEJANDRO VARGAS

Date of Hire/Assignment June 11, 1991

I, ALEJANDRO VARGAS hereby certify that I received training as described above in the following areas:

- The potential occupational hazards in general in the work area and associated with my job station.
- The Codes of Safe Practice which indicate the safe work conditions, safe work practices and personal protective equipment required for my work.
- The hazards of any chemicals to which I may be exposed and my right to information contained on Material Safety Data Sheets for those chemicals, and how to understand this information.
- My right to ask questions, or provide any information to the employer on safety either directly or anonymously without fear of reprisal.
- Disciplinary procedures the employer will use to enforce compliance with Codes of Safe Practice.

I understand this training and agree to comply with the Codes of Safe Practice for my Job Station and General Codes of Safe Practice for the entire facility. I also understand that a violation of these rules will result in a disciplinary action and I could be terminated from my job.

Alejandro Vargas — 11/23/91
Employee Signature — Date

Supervisor Signature — Date

ELECTRONIC CHROME
INDIVIDUAL EMPLOYEE TRAINING/AGREEMENT DOCUMENTATION
INITIAL TRAINING

Name of Trainer BARRY BROWN/BAB-CAN CONSULTING Date Nov. 23, 1991

Training Subject SB-198 INJURY AND ILLNESS PROGRAM, GENERAL TRAINING AND SPECIFIC TRAINING FOR PLATER HELPER PERSONNEL

Training Materials Used SB-198 PROGRAM NOTEBOOK AND EMPLOYEE MANUAL

Name of Employee JUAN GONZALEZ

Date of Hire/Assignment Jan. 14, 1991

I, JUAN GONZALEZ hereby certify that I received training as described above in the following areas:

- The potential occupational hazards in general in the work area and associated with my job station.
- The Codes of Safe Practice which indicate the safe work conditions, safe work practices and personal protective equipment required for my work.
- The hazards of any chemicals to which I may be exposed and my right to information contained on Material Safety Data Sheets for those chemicals, and how to understand this information.
- My right to ask questions, or provide any information to the employer on safety either directly or anonymously without fear of reprisal.
- Disciplinary procedures the employer will use to enforce compliance with Codes of Safe Practice.

I understand this training and agree to comply with the Codes of Safe Practice for my Job Station and General Codes of Safe Practice for the entire facility. I also understand that a violation of these rules will result in a disciplinary action and I could be terminated from my job.

Juan Gonzalez
Employee Signature

11-23-91
Date

Supervisor Signature

Date

ELECTRONIC CHROME
INDIVIDUAL EMPLOYEE TRAINING/AGREEMENT DOCUMENTATION
INITIAL TRAINING

Name of Trainer BARRY BROWN/BAB-CAN CONSULTING Date Nov. 23, 1991

Training Subject SB-198 INJURY AND ILLNESS PROGRAM, GENERAL TRAINING AND SPECIFIC TRAINING FOR GRINDER AND INSPECTOR PERSONNEL

Training Materials Used SB-198 PROGRAM NOTEBOOK AND EMPLOYEE MANUAL

Name of Employee DALE REED

Date of Hire/Assignment July 1, 1974

I, DALE REED hereby certify that I received training as described above in the following areas:

- The potential occupational hazards in general in the work area and associated with my job station.
- The Codes of Safe Practice which indicate the safe work conditions, safe work practices and personal protective equipment required for my work.
- The hazards of any chemicals to which I may be exposed and my right to information contained on Material Safety Data Sheets for those chemicals, and how to understand this information.
- My right to ask questions, or provide any information to the employer on safety either directly or anonymously without fear of reprisal.
- Disciplinary procedures the employer will use to enforce compliance with Codes of Safe Practice.

I understand this training and agree to comply with the Codes of Safe Practice for my Job Station and General Codes of Safe Practice for the entire facility. I also understand that a violation of these rules will result in a disciplinary action and I could be terminated from my job.

Dale Reed
Employee Signature

11-23-91
Date

Supervisor Signature

Date

ELECTRONIC CHROME
INDIVIDUAL EMPLOYEE TRAINING/AGREEMENT DOCUMENTATION
INITIAL TRAINING

Name of Trainer BARRY BROWN/BAB-CAN CONSULTING Date Nov. 23, 1991

Training Subject SB-198 INJURY AND ILLNESS PROGRAM, GENERAL TRAINING AND SPECIFIC TRAINING FOR GRINDER PERSONNEL

Training Materials Used SB-198 PROGRAM NOTEBOOK AND EMPLOYEE MANUAL

Name of Employee MANUEL VENTURA

Date of Hire/Assignment Dec. 26, 1979

I, MANUEL VENTURA hereby certify that I received training as described above in the following areas:

- The potential occupational hazards in general in the work area and associated with my job station.
- The Codes of Safe Practice which indicate the safe work conditions, safe work practices and personal protective equipment required for my work.
- The hazards of any chemicals to which I may be exposed and my right to information contained on Material Safety Data Sheets for those chemicals, and how to understand this information.
- My right to ask questions, or provide any information to the employer on safety either directly or anonymously without fear of reprisal.
- Disciplinary procedures the employer will use to enforce compliance with Codes of Safe Practice.

I understand this training and agree to comply with the Codes of Safe Practice for my Job Station and General Codes of Safe Practice for the entire facility. I also understand that a violation of these rules will result in a disciplinary action and I could be terminated from my job.

Manuel Ventura — 11-23-91
Employee Signature — Date

Supervisor Signature — Date

ELECTRONIC CHROME
INDIVIDUAL EMPLOYEE TRAINING/AGREEMENT DOCUMENTATION
INITIAL TRAINING

Name of Trainer BARRY BROWN/BAB-CAN CONSULTING Date Nov. 23, 1991

Training Subject SB-198 INJURY AND ILLNESS PROGRAM, GENERAL TRAINING AND SPECIFIC TRAINING FOR GRINDER PERSONNEL

Training Materials Used SB-198 PROGRAM NOTEBOOK AND EMPLOYEE MANUAL

Name of Employee RYAN REED

Date of Hire/Assignment July 5, 1989

I, RYAN REED hereby certify that I received training as described above in the following areas:

- The potential occupational hazards in general in the work area and associated with my job station.
- The Codes of Safe Practice which indicate the safe work conditions, safe work practices and personal protective equipment required for my work.
- The hazards of any chemicals to which I may be exposed and my right to information contained on Material Safety Data Sheets for those chemicals, and how to understand this information.
- My right to ask questions, or provide any information to the employer on safety either directly or anonymously without fear of reprisal.
- Disciplinary procedures the employer will use to enforce compliance with Codes of Safe Practice.

I understand this training and agree to comply with the Codes of Safe Practice for my Job Station and General Codes of Safe Practice for the entire facility. I also understand that a violation of these rules will result in a disciplinary action and I could be terminated from my job.

Ryan Reed
Employee Signature

Nov. 23, 1991
Date

Supervisor Signature

Date

ELECTRONIC CHROME
INDIVIDUAL EMPLOYEE TRAINING/AGREEMENT DOCUMENTATION
INITIAL TRAINING

Name of Trainer BARRY BROWN/BAB-CAN CONSULTING Date Nov. 23, 1991

Training Subject SB-198 INJURY AND ILLNESS PROGRAM, GENERAL TRAINING AND SPECIFIC TRAINING FOR GRINDER, INSPECTOR AND MAINTENANCE PERSONNEL

Training Materials Used SB-198 PROGRAM NOTEBOOK AND EMPLOYEE MANUAL

Name of Employee ERIC ST. AMANT

Date of Hire/Assignment June 26, 1988

I, ERIC ST. AMANT hereby certify that I received training as described above in the following areas:

- The potential occupational hazards in general in the work area and associated with my job station.
- The Codes of Safe Practice which indicate the safe work conditions, safe work practices and personal protective equipment required for my work.
- The hazards of any chemicals to which I may be exposed and my right to information contained on Material Safety Data Sheets for those chemicals, and how to understand this information.
- My right to ask questions, or provide any information to the employer on safety either directly or anonymously without fear of reprisal.
- Disciplinary procedures the employer will use to enforce compliance with Codes of Safe Practice.

I understand this training and agree to comply with the Codes of Safe Practice for my Job Station and General Codes of Safe Practice for the entire facility. I also understand that a violation of these rules will result in a disciplinary action and I could be terminated from my job.

Eric St. Amant — 11/23/91
Employee Signature — Date

Supervisor Signature — Date

ELECTRONIC CHROME
INDIVIDUAL EMPLOYEE TRAINING/AGREEMENT DOCUMENTATION
INITIAL TRAINING

Name of Trainer BARRY BROWN/BAB-CAN CONSULTING Date Nov. 23, 1991

Training Subject SB-198 INJURY AND ILLNESS PROGRAM, GENERAL TRAINING AND SPECIFIC TRAINING FOR GRINDER PERSONNEL

Training Materials Used SB-198 PROGRAM NOTEBOOK AND EMPLOYEE MANUAL

Name of Employee CLIFF BERRY

Date of Hire/Assignment May 29, 1991

I, CLIFF BERRY hereby certify that I received training as described above in the following areas:

- The potential occupational hazards in general in the work area and associated with my job station.
- The Codes of Safe Practice which indicate the safe work conditions, safe work practices and personal protective equipment required for my work.
- The hazards of any chemicals to which I may be exposed and my right to information contained on Material Safety Data Sheets for those chemicals, and how to understand this information.
- My right to ask questions, or provide any information to the employer on safety either directly or anonymously without fear of reprisal.
- Disciplinary procedures the employer will use to enforce compliance with Codes of Safe Practice.

I understand this training and agree to comply with the Codes of Safe Practice for my Job Station and General Codes of Safe Practice for the entire facility. I also understand that a violation of these rules will result in a disciplinary action and I could be terminated from my job.

Employee Signature 11-23-91 Date

Supervisor Signature Date

E J E R C I C I O # 1 - M.S.D.S.

Nombre _____
Supervisor _____
Departamento _____
Fecha _____

INSTRUCCIONES

En este ejercicio de aprendizaje, se le permitira a usted que vea la muestra de la HOJA DE SECURIDAD DE DATOS DEL MATERIAL (MSDS) la cual se incluye, y su Folleto del Trabajador.

No es la intencion de este ejercicio probar lo que usted sabe, sino el ayudarle para que se familiarice mis con terminos que usted necesitasaber mientras que aprende sobre materiales peligrosos especificos en su area de trabajo.

Este ejercicio le pide que llene las lineas, haga unas listas, o conteste cierto o falso. No hay preguntas en broma.

Cuando usted haya terminado, voltee sus hojas del ejercicio y espere por mas instrucciones.

LLENE LOS ESPACIOS

1. El nombre del manfacturador es XYZ.
2. Isopropyl Alcohol es el nombre de la substancia quimica de este material.
3. Con frecuencia, substancias quimicas tienen una marca/nombre diferente del nombre de la substancia quimica. La marca/nombre de este material incluye IPA, Isopropyl.
4. El punto "flash" para este material es de 53 'F.
5. Carbon Dioxide, dry chemical, A.F es el tipo de extinguidor que debera usarse si este material se prende.
6. El "threshold limit value" para este material es 400 PPM.

FAVOR DE HACER UNA LISTA

7. Los ingredientes peligrosos que contiene este material.

IPA 99%

8. **Los posibles efectos de sobre-exponerse.**

Mild irritation to the nose and throat. eye contact will cause irritation and burning sensation. Prolonged exposure above TLV will cause narcosis, nausea, and headaches.

9. **Procedimientos de emergencia y primeros auxilios.**

Eye contacts--- flush with water for 15 minutes and get medical help, skin contact--- remove contaminated clothing and flush with water. Inhalation -- remove to fresh air and support breathing, as needed. Ingestion-- drink water and get prompt medical help.

10. **Los pasos que usted debera tomar en caso de derrames o fugas accidentales.**

Absorb small spills with paper towels. Contain large spills. Collect or absorb them with vermiculite spill absorbant or sand. Use water spray to dilute and flush.

11. **Precauciones que usted debera tomar en el manejo y almacenamiento de este material.**

Store in clean, cool, ventilated area, in manner suitable for class 1B combustible liquid. Bond and ground containers for transfer.

CIERTO O FALSO

12. **Este material es un liquido inflamable.** Cierto Falso

13. **Se necesita usar guantes y proteccion para los ojos cuando se usa este material.** Cierto Falso

14. **Este material es claro y sin olor.** Cierto Falso

15. **Este material es compatible (no habra reaccion) con todas los demas, asi que no hay que evitar contacto con otros materiales.** Cierto Falso

16. **Si este material entra en sus ojos, usted debera enjuagarlos con agua por 15 minutos.** Cierto Falso

17. **Este material contiene metales como base.** Cierto Falso

18. **Este es un material inestable.** Cierto Falso

19. **Si se usa en cantidades grandes en envases abiertos, se aumentaran los peligros de salud y de fuego.** Cierto Falso

20. **Cauando se derrama, este material se evapora rapidamente, asi que no hay necesidad de limpieza.** Cierto Falso

E J E R C I C I O # 1 - M.S.D.S.

Nombre Juan Gonzalez
Supervisor BOB Cuoios
Departamento POLISH
Fecha 11-23-91

INSTRUCCIONES

En este ejercicio de aprendizaje, se le permitira a usted que vea la muestra de la HOJA DE SECURIDAD DE DATOS DEL MATERIAL (MSDS) la cual se incluye, y su Folleto del Trabajador.

No es la intencion de este ejercicio probar lo que usted sabe, sino el ayudarle para que se familiarice mis con terminos que usted necesitasaber mientras que aprende sobre materiales peligrosos especificos en su area de trabajo.

Este ejercicio le pide que llene las lineas, haga unas listas, o conteste cierto o falso. No hay preguntas en broma.

Cuando usted haya terminado, voltee sus hojas del ejercicio y espere por mas instrucciones.

LLENE LOS ESPACIOS

1. El nombre del manfacturador es XYZ Manufacturing.
2. Isopropyl Alcohol es el nombre de la substancia quimica de este material.
3. Con frecuencia, substancias quimicas tienen una marca/nombre diferente del nombre de la substancia quimica. La marca/nombre de este material incluye IPA. Isopropanol.
4. El punto "flash" para este material es de 53 'F.
5. Carbon Dioxide es el tipo de extinguidor que debera usarse si este material se prende.
6. El "threshold limit value" para este material es 400 PPM.

FAVOR DE HACER UNA LISTA

7. Los ingredientes peligrosos que contiene este material.

IPA

8. **Los posibles efectos de sobre-exponerse.**
Mild irritation to the nose and throat. Eye contact will cause irritation and burning sensations Prolonged exposure above TLV will cause narcosis, nausea, and head aches.

9. **Procedimientos de emergencia y primeros auxilios.**
Eye contact -- flush with water for 15 minutes and get medical help. Skin contact -- remove contaminated clothing and flush with water. Inhalation -- remove to fresh air and support breathing as needed. Ingestion -- drink water and get prompt medical help.

10. **Los pasos que usted debera tomar en caso de derrames o fugas accidentales.**
Absorb small spills with paper towels. Contain large spills - collect or absorb them with vermiculite, spill absorbent, or sand. Use water spray to dilute and flush.

11. **Precauciones que usted debera tomar en el manejo y almacenamiento de este material.**
Store in clean, cool, ventilated area, in manner suitable for class IB flammable liquids. Bond and ground containers for transfer.

CIERTO O FALSO

12. **Este material es un liquido inflamable.** Cierto Falso

13. **Se necesita usar guantes y proteccion para los ojos cuando se usa este material.** Cierto Falso

14. **Este material es claro y sin olor.** Cierto Falso

15. **Este material es compatible (no habra reaccion) con todas los demas, asi que no hay que evitar contacto con otros materiales.** Cierto Falso

16. **Si este material entra en sus ojos, usted debera enjuagarlos con agua por 15 minutos.** Cierto Falso

17. **Este material contiene metales como base.** Cierto Falso

18. **Este es un material inestable.** Cierto Falso

19. **Si se usa en cantidades grandes en envases abiertos, se aumentaran los peligros de salud y de fuego.** Cierto Falso

20. **Cauando se derrama, este material se evapora rapidamente, asi que no hay necesidad de limpieza.** Cierto Falso

MSDS EXERCISE # 1

Name [illegible]
Supervisor BOB CUEVAS
Department TRUCK DRIVER
Date 11 - 23 - 91

INSTRUCTIONS

In this learning exercise, you will be allowed to refer to the sample Material Safety Data Sheet which is attached.

This exercise is not intended to test your knowledge, but instead to help you become more familiar with the terms you will need to know as you learn about specific hazardous materials in your work area.

This exercise requires you to either fill in the blank, complete lists, or answer true or false. There are no trick questions.

When you finish, turn our exercise over and wait for further instructions.

FILL IN THE BLANK

1. The name of the manufacturer is XYZ.
2. ISOPRODYL ALCOHOL is the chemical name of this material.
3. Chemicals often have trade names different from the chemical name. The trade name(s) for this chemical include IPA ISOPRODYL.
4. The flash point of this material is 53 'F.
5. CARBON DIOXINE is the type of fire extinguisher to use if this material catches on fire.
6. The threshold limit value for this material is 400 PPM.

PLEASE LIST

7. The hazardous ingredients contained in this material.

IPA 99

8. Possible effects of overexposure.

MILD IRRITATION TO THE NOSE AND THROAT. EYE CONTACT WILL CAUSE IRRITATION AND BURNING SENSATIONS PROLONGED EXPOSURE ABOVE TLV WILL CAUSE NAUSEA AND HEADACHES

9. Emergency and first aid procedures.

EYE CONTACT - FLUSH WITH WATER FOR 15 MINS AND GET MEDICAL HELP. SKIN CONTACT REMOVE CONTAMINATED CLOTHING AND FLUSH WITH WATER INHALATION REMOVE TO FRESH AIR AND SUPPORT BREATHING AS NEEDED INGESTION - DRINK WATER, GET MED HELP

10. The steps you must take in case of a spill or accidental release.

ABSORB SMALL SPILLS WITH PAPER TOWELS CONTAIN LARGE SPILLS, COLLECT OR ABSORB THEM WITH VERMICULITE SPILL ABSORBANT OR SAND USE WATER TO DILUTE AND FLUSH.

11. Precautions you must take in handling and storing.

STORE IN CLEAN, COOL, VENTILATED AREA, IN MANNER SUITABLE FOR CLASS IB FLAMMABLE LIQUID. BOND AND GROUND CONTAINERS FOR TRANSFER

TRUE or FALSE

12.	This material is a flammable liquid.	True	False
13.	Gloves and eye protection are necessary when using this material.	True	False
14.	This material is clear and odorless.	True	False
15.	This material is compatible (will not react) with all others, so there are no other materials to avoid.	True	False
16.	If this material gets in your eyes, you should flush with water for 15 minutes.	True	False
17.	This material contains base metals.	True	False
18.	This is an unstable material.	True	False
19.	If used in large quantities in open containers, the fire and health hazards of this material are increased.	True	False
20.	This material evaporates quickly when spilled, so there is no need to clean it up.	True	False

MSDS EXERCISE # 1

Name Robert Cuevas
Supervisor Mark Reed
Department Maintenance
Date 11-23-97

INSTRUCTIONS

In this learning exercise, you will be allowed to refer to the sample Material Safety Data Sheet which is attached.

This exercise is not intended to test your knowledge, but instead to help you become more familiar with the terms you will need to know as you learn about specific hazardous materials in your work area.

This exercise requires you to either fill in the blank, complete lists, or answer true or false. There are no trick questions.

When you finish, turn our exercise over and wait for further instructions.

FILL IN THE BLANK

1. The name of the manufacturer is XYZ Manufacturing.
2. Isopropyl Alcohol is the chemical name of this material.
3. Chemicals often have trade names different from the chemical name. The trade name(s) for this chemical include IPA Isopanol.
4. The flash point of this material is 53 °F 'F.
5. Carbon Dioxide, dry chemical is the type of fire extinguisher to use if this material catches on fire.
6. The threshold limit value for this material is 400 PPM.

PLEASE LIST

7. The hazardous ingredients contained in this material.
IPA 99

8. Possible effects of overexposure.
Mild irritation to nose and throat [illegible]
[illegible]

9. Emergency and first aid procedures.
Eye Contact - Flush with water for 15 min
get medical help. Skin Contact - remove
contaminated clothing and flush with water
Ingestion - drink water and get prompt medical
help

10. The steps you must take in case of a spill or accidental release.
Absorb small spill absorbent or sand use
water to dilute and flush.

11. Precautions you must take in handling and storing.
Store in clean, cool, ventilated area in
in manner suitable for Class 1B flammable
liquid. Bond and ground containers for
transfer

TRUE or FALSE

12. This material is a flammable liquid. **True** False

13. Gloves and eye protection are necessary when using this material. **True** False

14. This material is clear and odorless. True **False**

15. This material is compatible (will not react) with all others, so there are no other materials to avoid. True **False**

16. If this material gets in your eyes, you should flush with water for 15 minutes. **True** False

17. This material contains base metals. True **False**

18. This is an unstable material. True **False**

19. If used in large quantities in open containers, the fire and health hazards of this material are increased. **True** False

20. This material evaporates quickly when spilled, so there is no need to clean it up. True **False**

E J E R C I C I O # 1 - M.S.D.S.

Nombre Alejandro Vargas
Supervisor El baba cuebas
Departamento
Fecha Noviembre 11/23/91

INSTRUCCIONES

En este ejercicio de aprendizaje, se le permitira a usted que vea la muestra de la HOJA DE SECURIDAD DE DATOS DEL MATERIAL (MSDS) la cual se incluye, y su Folleto del Trabajador.

No es la intencion de este ejercicio probar lo que usted sabe, sino el ayudarle para que se familiarice mis con terminos que usted necesitasaber mientras que aprende sobre materiales peligrosos especificos en su area de trabajo.

Este ejercicio le pide que llene las lineas, haga unas listas, o conteste cierto o falso. No hay preguntas en broma.

Cuando usted haya terminado, voltee sus hojas del ejercicio y espere por mas instrucciones.

LLENE LOS ESPACIOS

1. El nombre del manfacturador es XYZ Manufacturing.
2. isopropyl Alcohol es el nombre de la substancia quimica de este material.
3. Con frecuencia, substancias quimicas tienen una marca/nombre diferente del nombre de la substancia quimica.
   La marca/nombre de este material incluye IPA ISO Propanol.
4. El punto "flash" para este material es de 53 'F.
5. carbon dioxide es el tipo de extinguidor que debera usarse si este material se prende.
6. El "threshold limit value" para este material es 400 PPm.

FAVOR DE HACER UNA LISTA

7. Los ingredientes peligrosos que contiene este material.
   IPA 99

8. **Los posibles efectos de sobre-exponerse.**

EFFETS OF overexposure to mild irritation the nose and throat
Eye contact will cause irritation
and burn

9. **Procedimientos de emergencia y primeros auxilios.**

Eye contact flush with water for 15 minutes
and get medical help skin contact
remove contaminated clothing and flush with
water inhalation remove to fresh air and support
breathing as needed ingestion drink water and get
prompt medical help

10. **Los pasos que usted debera tomar en caso de derrames o fugas accidentales.**

Absorb small spills with paper towels contain
large spills collect or absorb them with vermiculite
spite absorbant or sand use water
spray to dilute and flush

11. **Precauciones que usted debera tomar en el manejo y almacenamiento de este material.**

store in clean cool ventilated area in manner
suitable for class IB flammable
liquid bond and ground containers for
transfer

CIERTO O FALSO

12. **Este material es un liquido inflamable.** (Cierto) Falso

13. **Se necesita usar guantes y proteccion para los ojos cuando se usa este material.** (Cierto) Falso

14. **Este material es claro y sin olor.** Cierto (Falso)

15. **Este material es compatible (no habra reaccion) con todas los demas, asi que no hay que evitar contacto con otros materiales.** Cierto (Falso)

16. **Si este material entra en sus ojos, usted debera enjuagarlos con agua por 15 minutos.** (Cierto) Falso

17. **Este material contiene metales como base.** Cierto (Falso)

18. **Este es un material inestable.** Cierto (Falso)

19. **Si se usa en cantidades grandes en envases abiertos, se aumentaran los peligros de salud y de fuego.** (Cierto) Falso

20. **Cauando se derrama, este material se evapora rapidamente, asi que no hay necesidad de limpieza.** Cierto (Falso)

E J E R C I C I O # 1 - M.S.D.S.

Nombre Emilio Robles
Supervisor BOB CUEVAS
Departamento PLATER. ELECTRONICCHROME
Fecha 11/23/91

INSTRUCCIONES

En este ejercicio de aprendizaje, se le permitira a usted que vea la muestra de la HOJA DE SECURIDAD DE DATOS DEL MATERIAL (MSDS) la cual se incluye, y su Folleto del Trabajador.

No es la intencion de este ejercicio probar lo que usted sabe, sino el ayudarle para que se familiarice mis con terminos que usted necesitasaber mientras que aprende sobre materiales peligrosos especificos en su area de trabajo.

Este ejercicio le pide que llene las lineas, haga unas listas, o conteste cierto o falso. No hay preguntas en broma.

Cuando usted haya terminado, voltee sus hojas del ejercicio y espere por mas instrucciones.

LLENE LOS ESPACIOS

1. El nombre del manfacturador es XYZ.
2. Isopropyl Alcohol es el nombre de la substancia quimica de este material.
3. Con frecuencia, substancias quimicas tienen una marca/nombre diferente del nombre de la substancia quimica. La marca/nombre de este material incluye IPA ISOPROPANOL.
4. El punto "flash" para este material es de 53 'F.
5. Carbon Dioxid dry CONTAINERS EXPOSED es el tipo de extinguidor que debera usarse si este material se prende.
6. El "threshold limit value" para este material es 400.

FAVOR DE HACER UNA LISTA

7. Los ingredientes peligrosos que contiene este material.
   IPA 99%

8. Los posibles efectos de sobre-exponerse.
Mild irritation to the nose and throat eye contact will cause irritation and burning sensation prolonged exposure

9. Procedimientos de emergencia y primeros auxilios.
Eye contact flush with water for 15 minutes and get medical help skin contact.
remove contaminated clothing clothing and flush with water. inhalation remove to fresh air and support breathing as needed. ingestion drink water and prompt medical

10. Los pasos que usted debera tomar en caso de derrames o fugas accidentales.
Acetaldehyde Ethylene oxide isocyanates and strong oxidising agents

11. Precauciones que usted debera tomar en el manejo y almacenamiento de este material.
Do not flush to water courses or to sewer or enclosed area. Burn waste liquid in approved incinerator or dispose via licensed waste disposal company

CIERTO O FALSO

12. Este material es un liquido inflamable. **Cierto** Falso

13. Se necesita usar guantes y proteccion para los ojos cuando se usa este material. **Cierto** Falso

14. Este material es claro y sin olor. Cierto **Falso**

15. Este material es compatible (no habra reaccion) con todas los demas, asi que no hay que evitar contacto con otros materiales. Cierto **Falso**

16. Si este material entra en sus ojos, usted debera enjuagarlos con agua por 15 minutos. **Cierto** Falso

17. Este material contiene metales como base. Cierto **Falso**

18. Este es un material inestable. Cierto **Falso**

19. Si se usa en cantidades grandes en envases abiertos, se aumentaran los peligros de salud y de fuego. **Cierto** Falso

20. Cauando se derrama, este material se evapora rapidamente, asi que no hay necesidad de limpieza. Cierto **Falso**

E J E R C I C I O # 1 - M.S.D.S.

Nombre Leonel Martinez
Supervisor Robert Cuevas
Departamento Electronic Chrome
Fecha 11/23/91

INSTRUCCIONES

En este ejercicio de aprendizaje, se le permitira a usted que vea la muestra de la HOJA DE SECURIDAD DE DATOS DEL MATERIAL (MSDS) la cual se incluye, y su Folleto del Trabajador.

No es la intencion de este ejercicio probar lo que usted sabe, sino el ayudarle para que se familiarice mis con terminos que usted necesitasaber mientras que aprende sobre materiales peligrosos especificos en su area de trabajo.

Este ejercicio le pide que llene las lineas, haga unas listas, o conteste cierto o falso. No hay preguntas en broma.

Cuando usted haya terminado, voltee sus hojas del ejercicio y espere por mas instrucciones.

LLENE LOS ESPACIOS

1. El nombre del manfacturador es Xyz. M.
2. Isopropyl alcohol es el nombre de la substancia quimica de este material.
3. Con frecuencia, substancias quimicas tienen una marca/nombre diferente del nombre de la substancia quimica.
   La marca/nombre de este material incluye IPA Isopropanol.
4. El punto "flash" para este material es de 53°F 'F.
5. Carbon dioxidi dry chemical es el tipo de extinguidor que debera usarse si este material se prende.
6. El "threshold limit value" para este material es 400 P.P.M.

FAVOR DE HACER UNA LISTA

7. Los ingredientes peligrosos que contiene este material.

   IPA. 99%

8. Los posibles efectos de sobre-exponerse.
Mild irritation to The nose and throat eye contact will cause irritation and burning sensations prolonged exposure above tlv will cause narcosis nausea and head aches

9. Procedimientos de emergencia y primeros auxilios.
Eye contact flush with water for 15 minutes and get medical help skin contact remove contaminated clothing and flush with water Inhalation remove to fresh air and support breathing as needed ingestion drink water and get prompt medical

10. Los pasos que usted debera tomar en caso de derrames o fugas accidentales.
Absorb small spills with paper towels contain large spills collect or absorb them with vermiculite spills absorbant or sand use water spray to dilute and flush

11. Precauciones que usted debera tomar en el manejo y almacenamiento de este material.
Store in clean cool ventilated area in manner suitable for Class 1B Flammable Liquids Bond and ground containers for transfer

CIERTO O FALSO

12. Este material es un liquido inflamable. Cierto Falso

13. Se necesita usar guantes y proteccion para los ojos cuando se usa este material. Cierto Falso

14. Este material es claro y sin olor. Cierto Falso

15. Este material es compatible (no habra reaccion) con todas los demas, asi que no hay que evitar contacto con otros materiales. Cierto Falso

16. Si este material entra en sus ojos, usted debera enjuagarlos con agua por 15 minutos. Cierto Falso

17. Este material contiene metales como base. Cierto Falso

18. Este es un material inestable. Cierto Falso

19. Si se usa en cantidades grandes en envases abiertos, se aumentaran los peligros de salud y de fuego. Cierto Falso

20. Cauando se derrama, este material se evapora rapidamente, asi que no hay necesidad de limpieza. Cierto Falso

E J E R C I C I O # 1 - M.S.D.S.

Nombre Luciano Gonzalez
Supervisor Bob Cuevas
Departamento ELECTRONIC CHRME
Fecha 11-23-91

INSTRUCCIONES

En este ejercicio de aprendizaje, se le permitira a usted que vea la muestra de la HOJA DE SECURIDAD DE DATOS DEL MATERIAL (MSDS) la cual se incluye, y su Folleto del Trabajador.

No es la intencion de este ejercicio probar lo que usted sabe, sino el ayudarle para que se familiarice mis con terminos que usted necesitasaber mientras que aprende sobre materiales peligrosos especificos en su area de trabajo.

Este ejercicio le pide que llene las lineas, haga unas listas, o conteste cierto o falso. No hay preguntas en broma.

Cuando usted haya terminado, voltee sus hojas del ejercicio y espere por mas instrucciones.

LLENE LOS ESPACIOS

1. El nombre del manfacturador es XYZ MANUFACTURIG.
2. Isopropyl alcohol es el nombre de la substancia quimica de este material.
3. Con frecuencia, substancias quimicas tienen una marca/nombre diferente del nombre de la substancia quimica.
   La marca/nombre de este material incluye IPA Isopropanol.
4. El punto "flash" para este material es de 53°F 'F.
5. Carbon Dioxide es el tipo de extinguidor que debera usarse si este material se prende.
6. El "threshold limit value" para este material es 400 PPM.

FAVOR DE HACER UNA LISTA

7. Los ingredientes peligrosos que contiene este material.
   IPA 99

8. Los posibles efectos de sobre-exponerse.

Mild irritation to the nose and throat. Eye contact will cause irritation and burning sensations. Prolonged expolonged above TLV will cause

9. Procedimientos de emergencia y primeros auxilios.

Eye contact flush with water for 15 minutes and get medical help. Skin contact remove contaminated clothing and fulsh with water inhalation remove to fresh air and support breathing as needed ingestion

10. Los pasos que usted debera tomar en caso de derrames o fugas accidentales.

Absorb small spill with paper towels contain large spills. collect or absorb them with vermiculite spill absorbant or sand use water

11. Precauciones que usted debera tomar en el manejo y almacenamiento de este material.

Store in clean cool ventilated area in manner suitable for class 1B flammable liquid bond and ground container

CIERTO O FALSO

12. Este material es un liquido inflamable. Cierto Falso

13. Se necesita usar guantes y proteccion para los ojos cuando se usa este material. Cierto Falso

14. Este material es claro y sin olor. Cierto Falso

15. Este material es compatible (no habra reaccion) con todas los demas, asi que no hay que evitar contacto con otros materiales. Cierto Falso

16. Si este material entra en sus ojos, usted debera enjuagarlos con agua por 15 minutos. Cierto Falso

17. Este material contiene metales como base. Cierto Falso

18. Este es un material inestable. Cierto Falso

19. Si se usa en cantidades grandes en envases abiertos, se aumentaran los peligros de salud y de fuego. Cierto Falso

20. Cauando se derrama, este material se evapora rapidamente, asi que no hay necesidad de limpieza. Cierto Falso

MSDS EXERCISE # 1

Name Eric St.Amant
Supervisor mike Reed
Department Grinding
Date 11/23/91

INSTRUCTIONS

In this learning exercise, you will be allowed to refer to the sample Material Safety Data Sheet which is attached.

This exercise is not intended to test your knowledge, but instead to help you become more familiar with the terms you will need to know as you learn about specific hazardous materials in your work area.

This exercise requires you to either fill in the blank, complete lists, or answer true or false. There are no trick questions.

When you finish, turn our exercise over and wait for further instructions.

FILL IN THE BLANK

1. The name of the manufacturer is X Y Z manufacturing.
2. ISOPROPYL ALCOHOL is the chemical name of this material.
3. Chemicals often have trade names different from the chemical name. The trade name(s) for this chemical include IPA, ISOPROPANOL.
4. The flash point of this material is 53° 'F.
5. Carbon Dioxide, Dry Chem, alcohol foam is the type of fire extinguisher to use if this material catches on fire.
6. The threshold limit value for this material is 400 PPm.

PLEASE LIST

7. The hazardous ingredients contained in this material.

IPA

8. **Possible effects of overexposure.**

mild irritation to nose & throat, eye contact will cause irritation & burning sensations. Prolonged exposure above TLV will cause narcosis, nausea, & headaches.

9. **Emergency and first aid procedures.**

eye contact: Flush with water for 15 min. & get medical help. Skin contact. Remove contaminated clothing & flush with water. Inhalation. Move to fresh air & support breathing as needed. Ingestion, drink water & get prompt medical help.

10. **The steps you must take in case of a spill or accidental release.**

absorb small spills with paper towels. Contain large spills collect or absorb them with vermiculite, spill absorbant, or sand. Use water spray to dilute & flush.

11. **Precautions you must take in handling and storing.**

Store in clean, cool, ventilated area, in manner suitable for class 1B flammable liquid. Bond & ground containers for transfer.

TRUE or FALSE

12. This material is a flammable liquid. **True** False
13. Gloves and eye protection are necessary when using this material. **True** False
14. This material is clear and odorless. True **False**
15. This material is compatible (will not react) with all others, so there are no other materials to avoid. True **False**
16. If this material gets in your eyes, you should flush with water for 15 minutes. **True** False
17. This material contains base metals. True **False**
18. This is an unstable material. True **False**
19. If used in large quantities in open containers, the fire and health hazards of this material are increased. **True** False
20. This material evaporates quickly when spilled, so there is no need to clean it up. True **False**

MSDS EXERCISE # 1

Name M. Reed
Supervisor ME
Department ALL
Date 11-23-91

INSTRUCTIONS

In this learning exercise, you will be allowed to refer to the sample Material Safety Data Sheet which is attached.

This exercise is not intended to test your knowledge, but instead to help you become more familiar with the terms you will need to know as you learn about specific hazardous materials in your work area.

This exercise requires you to either fill in the blank, complete lists, or answer true or false. There are no trick questions.

When you finish, turn our exercise over and wait for further instructions.

FILL IN THE BLANK

1. The name of the manufacturer is XYZ mfg.
2. Isopropyl alcohol is the chemical name of this material.
3. Chemicals often have trade names different from the chemical name. The trade name(s) for this chemical include I.P.A. Isopropanol.
4. The flash point of this material is 153° 'F.
5. Carbon Dioxide, Dry Chemical is the type of fire extinguisher to use if this material catches on fire.
6. The threshold limit value for this material is 400 PPM.

PLEASE LIST

7. The hazardous ingredients contained in this material.
   I.P.A 99% TLV 400

8. Possible effects of overexposure.

Mild irritation to nose & throat, irritation & burning sensation, prolonged exposure above TLV will cause narcosis, nausea, head ache

9. Emergency and first aid procedures.

eye contact flush with water 15 min & get medical help. Skin contact rewind contact cloth & flush with water, inhalation remove to fresh air & support breathing as needed, drink water & get prompt med help

10. The steps you must take in case of a spill or accidental release.

Absorb small spill with paper towel, large spills, collect or absorb them with vermiculite, spill absorbent or sand use water spray to dilute & flush.

11. Precautions you must take in handling and storing.

hoods to maintain 100 L/m face velocity

TRUE or FALSE

12. This material is a flammable liquid. **True** False

13. Gloves and eye protection are necessary when using this material. **True** False

14. This material is clear and odorless. **True** False

15. This material is compatible (will not react) with all others, so there are no other materials to avoid. True **False**

16. If this material gets in your eyes, you should flush with water for 15 minutes. **True** False

17. This material contains base metals. True **False**

18. This is an unstable material. True **False**

19. If used in large quantities in open containers, the fire and health hazards of this material are increased. **True** False

20. This material evaporates quickly when spilled, so there is no need to clean it up. True **False**

MSDS EXERCISE # 1

Name Dale REED
Supervisor MIKE REED
Department GRINDING
Date 11-23-91

INSTRUCTIONS

In this learning exercise, you will be allowed to refer to the sample Material Safety Data Sheet which is attached.

This exercise is not intended to test your knowledge, but instead to help you become more familiar with the terms you will need to know as you learn about specific hazardous materials in your work area.

This exercise requires you to either fill in the blank, complete lists, or answer true or false. There are no trick questions.

When you finish, turn our exercise over and wait for further instructions.

FILL IN THE BLANK

1. The name of the manufacturer is XYZ MANUFACTURING
2. Isopropyl Alcohol is the chemical name of this material.
3. Chemicals often have trade names different from the chemical name. The trade name(s) for this chemical include IPA, Isopropanol.
4. The flash point of this material is 53° 'F.
5. Carbon Dioxide is the type of fire extinguisher to use if this material catches on fire.
6. The threshold limit value for this material is 400 ppm.

PLEASE LIST

7. The hazardous ingredients contained in this material.
Solvents - IPA

8. Possible effects of overexposure.
Mild irritation Nose & Throat
Head Aches
Burning sensations to Eyes

9. Emergency and first aid procedures.
Flush Eyes with water
Drink water and get promt Held

10. The steps you must take in case of a spill or accidental release.
Absorb small spills with towels
Contain large spills with sand, spill Absorbant
Use water spray to Dilute and Flush

11. Precautions you must take in handling and storing.
Store in clean Area
Bond and Ground containers
No smoking in this Area

TRUE or FALSE

12. This material is a flammable liquid. **True** False

13. Gloves and eye protection are necessary when using this material. **True** False

14. This material is clear and odorless. True **False**

15. This material is compatible (will not react) with all others, so there are no other materials to avoid. True **False**

16. If this material gets in your eyes, you should flush with water for 15 minutes. **True** False

17. This material contains base metals. True **False**

18. This is an unstable material. True **False**

19. If used in large quantities in open containers, the fire and health hazards of this material are increased. **True** False

20. This material evaporates quickly when spilled, so there is no need to clean it up. True **False**

MSDS EXERCISE # 1

Name RYAN REED
Supervisor MIKE REED
Department JANITOR
Date 11-23-91

INSTRUCTIONS

In this learning exercise, you will be allowed to refer to the sample Material Safety Data Sheet which is attached.

This exercise is not intended to test your knowledge, but instead to help you become more familiar with the terms you will need to know as you learn about specific hazardous materials in your work area.

This exercise requires you to either fill in the blank, complete lists, or answer true or false. There are no trick questions.

When you finish, turn our exercise over and wait for further instructions.

FILL IN THE BLANK

1. The name of the manufacturer is XYZ MANUFACTURING.
2. ISOPROPYL ALCOHOL is the chemical name of this material.
3. Chemicals often have trade names different from the chemical name. The trade name(s) for this chemical include IPA, ISOPROPANOL.
4. The flash point of this material is 53°F (closed cup) °F.
5. CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM is the type of fire extinguisher to use if this material catches on fire.
6. The threshold limit value for this material is 400 ppm.

PLEASE LIST

7. The hazardous ingredients contained in this material.

SOLVENTS IPA % 99, 400 TLV

8. **Possible effects of overexposure.**

MILD IRRITATION TO THE NOSE AND THROAT.
EYE CONTACT WILL CAUSE IRRITATION AND BURNING SENSATIONS.
PROLONGED EXPOSURE CAUSE NARCOSIS, NAUSEA, AND HEADACHES

9. **Emergency and first aid procedures.**

EYE - FLUSH WITH WATER FOR 15 MINUTES AND GET MEDICAL HELP.
SKIN - REMOVE CONTAMINATED CLOTHING AND FLUSH WITH WATER.
BREATHING - REMOVE TO FRESH AIR AND SUPPORT BREATHING AS NEEDED
SWALLOWING - DRINK WATER GET HELP AND PRAY.

10. **The steps you must take in case of a spill or accidental release.**

ABSORB SMALL SPILLS WITH PAPER TOWELS. CONTAIN LARGE SPILLS, COLLECT OR ABSORB THEM WITH VERMICULITE, SPILL ABSORBANT OR SAND. SPRAY WATER TO DILUTE

11. **Precautions you must take in handling and storing.**

STORE - CLEAN, COOL, VENTILATED AREA, IN MANNER SUITABLE TO FLAMMABLE LIQUID, BOND AND GROUND CONTAINERS FOR TRANSFER

TRUE or FALSE

12. **This material is a flammable liquid.** (True) False

13. **Gloves and eye protection are necessary when using this material.** (True) False

14. **This material is clear and odorless.** True (False)

15. **This material is compatible (will not react) with all others, so there are no other materials to avoid.** True (False)

16. **If this material gets in your eyes, you should flush with water for 15 minutes.** (True) False

17. **This material contains base metals.** True (False)

18. **This is an unstable material.** True (False)

19. **If used in large quantities in open containers, the fire and health hazards of this material are increased.** (True) False

20. **This material evaporates quickly when spilled, so there is no need to clean it up.** True (False)

MSDS EXERCISE # 1

Name Manuel Ventura
Supervisor _____
Department _____
Date _____

INSTRUCTIONS

In this learning exercise, you will be allowed to refer to the sample Material Safety Data Sheet which is attached.

This exercise is not intended to test your knowledge, but instead to help you become more familiar with the terms you will need to know as you learn about specific hazardous materials in your work area.

This exercise requires you to either fill in the blank, complete lists, or answer true or false. There are no trick questions.

When you finish, turn our exercise over and wait for further instructions.

FILL IN THE BLANK

1. The name of the manufacturer is xyz Manufacturing.
2. Isopropyl Alcohol is the chemical name of this material.
3. Chemicals often have trade names different from the chemical name. The trade name(s) for this chemical include IPA Isopropanol.
4. The flash point of this material is 53° 'F.
5. Carbon Dioxide, dry chemical, Alcohol foam is the type of fire extinguisher to use if this material catches on fire.
6. The threshold limit value for this material is 400 PPM.

PLEASE LIST

7. The hazardous ingredients contained in this material.
Solvents - IPA 98% 400 PPM

8. **Possible effects of overexposure.**
mild irritation to the nose & throat eye contact will cause irritation & burning sensations Prolonged exposure above TLV will cause narcosis & headaches

9. **Emergency and first aid procedures.**
eye contact --- flush with water for 15 minutes & get medical help skin contact -- removed contaminated clothing & flush with water Inhalation -- remove to fresh air & support breathing as needed Ingestion -- drink water & get prompt medical help!

10. **The steps you must take in case of a spill or accidental release.**
absorb small spills with papertowels. Contain large spills, collect or absorb them with vermiculite spill absorbant or sand, use water spray to dilute and flush

11. **Precautions you must take in handling and storing.**
store in clean, cool, ventilated area in manner suitable for class 1B flammable liquid, Bond and ground containers for transfer

TRUE or FALSE

12.	This material is a flammable liquid.	**True**	False
13.	Gloves and eye protection are necessary when using this material.	**True**	False
14.	This material is clear and odorless.	True	**False**
15.	This material is compatible (will not react) with all others, so there are no other materials to avoid.	True	**False**
16.	If this material gets in your eyes, you should flush with water for 15 minutes.	**True**	False
17.	This material contains base metals.	True	**False**
18.	This is an unstable material.	True	**False**
19.	If used in large quantities in open containers, the fire and health hazards of this material are increased.	**True**	False
20.	This material evaporates quickly when spilled, so there is no need to clean it up.	True	**False**

MSDS EXERCISE # 1

Name CLIFF BERRY
Supervisor _____
Department _____
Date _____

INSTRUCTIONS

In this learning exercise, you will be allowed to refer to the sample Material Safety Data Sheet which is attached.

This exercise is not intended to test your knowledge, but instead to help you become more familiar with the terms you will need to know as you learn about specific hazardous materials in your work area.

This exercise requires you to either fill in the blank, complete lists, or answer true or false. There are no trick questions.

When you finish, turn our exercise over and wait for further instructions.

FILL IN THE BLANK

1. The name of the manufacturer is XYZ.
2. ISOPROPYL ALCOHOL is the chemical name of this material.
3. Chemicals often have trade names different from the chemical name. The trade name(s) for this chemical include IPA ISOPROPANOL.
4. The flash point of this material is 53° CLOSED CUP 'F.
5. CO^2, DRY CHEMICAL, ALCOHOL FOAM is the type of fire extinguisher to use if this material catches on fire.
6. The threshold limit value for this material is 400 PPM.

PLEASE LIST

7. The hazardous ingredients contained in this material.
~~ACETALDEHYDE, ETHYLENE OXIDE, ISOCYANATES, STRONG OXIDIZING AGENTS~~ IPA

8. **Possible effects of overexposure.**

MILD IRRITATIONS TO NOSE & THROAT. EYE CONTACT WILL CAUSE IRRITATION & BURNING SENSATIONS. PROLONGED EXPOSURE ABOVE TLV WILL CAUSE NARCOSIS, NAUSEA, & HEADACHES

9. **Emergency and first aid procedures.**

EYE CONTACT--FLUSH WITH WATER FOR 15 MINUTES & GET MEDICAL HELP. SKIN CONTACT--- REMOVE CONTAMINATED CLOTHING & FLUSH WITH WATER. INHALATION--- REMOVE TO FRESH AIR & SUPPORT BREATHING AS NEEDED. INGESTION--- DRINK WATER & GET PROMPT MEDICAL HELP.

10. **The steps you must take in case of a spill or accidental release.**

ABSORB SMALL SPILLS WITH PAPER TOWELS. CONTAIN LARGE SPILLS; COLLECT OR ABSORB THEM WITH VER MICULITE, SPILL ABSORBANT, OR SAND. USE WATER SPRAY TO DILUTE & FLUSH.

11. **Precautions you must take in handling and storing.**

VENTILATION EXHAUST HOODS TO MAINTAIN 100 LFM FACE VELOCITY; PROTECTIVE NEOPRENE GLOVES & APRONS. CHEMICAL GOGGLES FOR EYE PROTECTION.

TRUE or FALSE

12. **This material is a flammable liquid.** **True** **False**

13. **Gloves and eye protection are necessary when using this material.** **True** **False**

14. **This material is clear and odorless.** **True** **False**

15. **This material is compatible (will not react) with all others, so there are no other materials to avoid.** **True** **False**

16. **If this material gets in your eyes, you should flush with water for 15 minutes.** **True** **False**

17. **This material contains base metals.** **True** **False**

18. **This is an unstable material.** **True** **False**

19. **If used in large quantities in open containers, the fire and health hazards of this material are increased.** **True** **False**

20. **This material evaporates quickly when spilled, so there is no need to clean it up.** **True** **False**

ELECTRONIC CHROME CO., INC. EMPLOYEE ACCIDENT LOG SEPTEMBER 12, 1991 ECASB198.REP

EMPLOYEE NAME	DATE OF ACCIDENT	TYPE OF ACCIDENT	LOCATION (JOB STATION)	SAFETY CODE (VIOLATED)

FX-6: Personal Privacy

[redacted]

PLEASE TYPE ALL INFORMATION, IF POSSIBLE

State of California
EMPLOYER'S REPORT
OF OCCUPATIONAL
INJURY OR ILLNESS

Please complete in t
your files and mail t
STATE COMPENSA
P.C
ARCADI
Telephone: (818)

OSHA Case
or File No.

1989

PICA X X X ELITE X X X ← TYPEWRITER ALIGNM

ELITE X X X

California law requires an employer to report **within five days** every industrial inj
or (b) requires medical treatment other than first aid. **PLEASE NOTE:** In addition, if
than 24 hours for other than medical observation; or (b) results in loss of any mem
then the nearest district office of the California Division of Occupational Safety
notification is not required, however, if the injury or death results from an accider

ond the day of injury,
ospitalization of more
anent disfigurement,
ie or telegraph. This

EMPLOYER

1. FIRM NAME — DIVISION

Electronic Chrome Co., Inc.

2. MAILING ADDRESS (Number and Street, City, ZIP)

9132 Dice Rd.

3. LOCATION, IF DIFFERENT FROM MAIL ADDRESS (Number and Street, City, ZIP)

SAnta Fe Springs, CA 90670

3A. LOCATION CODE

4A. NATURE OF BUSINESS e.g., painting contractor, wholesale grocer, sawmill, hotel, etc.

Plating & grinding

5. STATE UNEMPLOYMENT INSURANCE ACCT. NO.

122-9002-9

4B. TYPE OF EMPLOYER: PRIVATE X STATE CITY COUNTY SCHOOL DISTRICT OTHER GOVERNMENT — SPECIFY

EMPLOYEE

6. EMPLOYEE NAME

7. DATE OF BIRTH (MM-DD-YY)

FX-6: Personal Privacy

INJURY OR ILLNESS

Completed by (type or print)	Signature	Title	Date
Joyce Gillam		Secretary	6/23/89

PLEASE DO NOT USE THIS COLUMN

CASE NO.

OWNERSHIP

INDUSTRY

OCCUPATION

SEX

AGE

DAILY HOURS

DAYS PER WEEK

WEEKLY HOURS

WEEKLY WAGE

COUNTY

NATURE OF INJURY

PART OF BODY

SOURCE

ACCIDENT TYPE

A.O.S.

EXTENT OF INJURY

CODED BY

SCIF 3067 (REV. 4-87)

FILING OF THIS REPORT IS NOT AN ADMISSION OF LIABILITY. NOTICE OF WORKERS' COMPENSATION BENEFITS MUST BE GIVEN TO INJURED WORKER WITHIN 5 DAYS OF YOUR KNOWLEDGE OF THIS INJURY.

FORM 5020 (REV. 5)
April 1987

OUR CASE NO. R-0865-0

REPORTABLE

NON-REPORTABLE

SLAUSON - SORENSEN MEDICAL CLINIC

11823 E. SLAUSON AVE., SUITE 40, SANTA FE SPRINGS, CA 90670 (213) 696-1161

CARRIER'S NO.

DOCTOR'S FIRST REPORT OF WORK INJURY OR ILLNESS

IMMEDIATELY AFTER FIRST EXAMINATION, MAIL ORIGINAL TO INSURER OR SELF-INSURED EMPLOYER. FAILURE TO FILE A DOCTOR'S REPORT IS A MISDEMEANOR (LABOR CODE 6413.5). IN ADDITION, IN THE CASE OF A DIAGNOSED OR SUSPECTED PESTICIDE POISONING, YOU ARE REQUIRED TO: SEND ONE COPY OF THIS REPORT DIRECTLY TO THE DIVISION OF LABOR STATISTICS AND RESEARCH, P.O. BOX 603, SAN FRANCISCO, CA 94101; SEND ONE COPY TO YOUR LOCAL HEALTH OFFICER; NOTIFY YOUR LOCAL HEALTH OFFICER BY TELEPHONE WITHIN 24 HOURS.

INSURER STATE FUND

DO NOT WRITE IN THIS SPACE

1. EMPLOYER NAME ELECTRONIC CHROME (946-6671)
2. ADDRESS (NO., ST & CITY) 9132 DICE RD. SANTA FE SPRINGS CA 90670
3. NATURE OF BUSINESS (MANUFACTURING SHOES, BUILDING CONSTRUCTION, RETAILING MEN'S CLOTHES, ETC.)

FX-6: Personal Privacy

PLEASE SUBMIT YOUR REPORT WITHIN FIVE DAYS OF YOUR EXAMINATION
DELAY IN SUBMITTING THIS REPORT MAY CAUSE A DELAY IN BENEFITS TO YOUR PATIENT

PLEASE TYPE ALL INFORMATION IF POSSIBLE

State of California

EMPLOYER'S REPORT OF OCCUPATIONAL INJURY OR ILLNESS

Please complete in triplicate. Retain one copy for your files and mail the original and one copy to

STATE COMPENSATION INSURANCE FUND

P.O. BOX 915
ARCADIA, CA 91006-0915
Telephone: (818) 445-4030 (213) 721-7711

OSHA Case or File No.

PICA XXX ELITE XXX ← TYPEWRITER ALIGNMENT GUIDE → PICA XXX ELITE XXX

California law requires an employer to report **within five days** every industrial injury or occupational disease which: (a) results in lost time beyond the day of injury, or (b) requires medical treatment other than first aid. **PLEASE NOTE:** In addition, if death results or if the injury or illness: (a) requires inpatient hospitalization of more than 24 hours for other than medical observation; or (b) results in loss of any member of the body; or (c) produces any serious degree of permanent disfigurement, then the nearest district office of the California Division of Occupational Safety and Health also must be notified **immediately** by telephone or telegraph. This notification is not required, however, if the injury or death results from an accident on a public street or highway.

EMPLOYER

1. FIRM NAME: Electronic Chrome Co., Inc.
DIVISION
1A. POLICY NUMBER: 112-81,Group 75

2. MAILING ADDRESS (Number and Street, City, ZIP): 9132 Dice Rd., Santa Fe Springs, CA 90670
2A. PHONE NUMBER: (213)946-6671

3. LOCATION, IF DIFFERENT FROM MAIL ADDRESS (Number and Street, City, ZIP)
3A. LOCATION CODE

4A. NATURE OF BUSINESS e.g., painting contractor, wholesale grocer, sawmill, hotel, etc.: Plating & grinding
5. STATE UNEMPLOYMENT INSURANCE ACCT. NO.: 122-9002-9

4B. TYPE OF EMPLOYER: PRIVATE ✓ STATE CITY COUNTY SCHOOL DISTRICT OTHER GOVERNMENT — SPECIFY

PLEASE DO NOT USE THIS COLUMN
CASE NO.
OWNERSHIP
INDUSTRY

FX-6: Personal Privacy

[redacted]

Completed by (Type or print)	Signature	Title	
JOYCE GILLAM	Joyce Gillam	SECRETARY	5/23/89

SCIF 3067 (REV 4-87)

FILING OF THIS REPORT IS NOT AN ADMISSION OF LIABILITY. NOTICE OF WORKERS' COMPENSATION BENEFITS MUST BE GIVEN TO INJURED WORKER WITHIN 5 DAYS OF YOUR KNOWLEDGE OF THIS INJURY.

FORM 5020 (REV. 5)
April 1987

UP CASE NO. R-0734-0

REPORTABLE

NON-REPORTABLE

SLAUSON - SORENSEN MEDICAL CLINIC

11823 E. SLAUSON AVE., SUITE 40, SANTA FE SPRINGS, CA 90670, (213) 696-1161

CARRIER'S NO.

DOCTOR'S FIRST REPORT OF WORK INJURY OR ILLNESS

IMMEDIATELY AFTER FIRST EXAMINATION, MAIL ORIGINAL TO INSURER OR SELF-INSURED EMPLOYER. FAILURE TO FILE A DOCTOR'S REPORT IS A MISDEMEANOR (LABOR CODE 6413.5). IN ADDITION, IN THE CASE OF A DIAGNOSED OR SUSPECTED PESTICIDE POISONING, YOU ARE REQUIRED TO: SEND ONE COPY OF THIS REPORT DIRECTLY TO THE DIVISION OF LABOR STATISTICS AND RESEARCH, P.O. BOX 603, SAN FRANCISCO, CA 94101; SEND ONE COPY TO YOUR LOCAL HEALTH OFFICER; NOTIFY YOUR LOCAL HEALTH OFFICER BY TELEPHONE WITHIN 24 HOURS.

INSURER STATE FUND

DO NOT WRITE IN THIS SPACE

. EMPLOYER NAME ELECTRONIC CHROME (946-6671)

. ADDRESS (NO., ST & CITY) 9132 DICE RD. SANTA FE SPRINGS CA 90670

. NATURE OF BUSINESS (MANUFACTURING SHOES, BUILDING CONSTRUCTION, RETAILING MEN'S CLOTHES, ETC.)

FX-6: Personal Privacy

PLEASE SUBMIT YOUR REPORT WITHIN 14 HOURS OF YOUR

DELAY IN SUBMITTING THIS REPORT MAY CAUSE A DELAY IN BENEFITS TO YOUR PATIENT

PLEASE TYPE ALL INFORMATION, IF POSSIBLE

State of California
EMPLOYER'S REPORT
OF OCCUPATIONAL
INJURY OR ILLNESS

Please complete in triplicate. Retain one copy for your files and mail the original and one copy to

STATE COMPENSATION INSURANCE FUND

P.O. BOX 915
ARCADIA, CA 91006-0915
Telephone: (818) 445-4030 (213) 721-7711

OSHA Case or File No.

PICA XXX ELITE XXX ← TYPEWRITER ALIGNMENT GUIDE → PICA XXX ELITE XXX

California law requires an employer to report within five days every industrial injury or occupational disease which: (a) results in lost time beyond the day of injury, or (b) requires medical treatment other than first aid. PLEASE NOTE: In addition, if death results or if the injury or illness: (a) requires inpatient hospitalization of more than 24 hours for other than medical observation; or (b) results in loss of any member of the body; or (c) produces any serious degree of permanent disfigurement, then the nearest district office of the California Division of Occupational Safety and Health also must be notified immediately by telephone or telegraph. This notification is not required, however, if the injury or death results from an accident on a public street or highway.

1. Firm Name / Division: Electronic Chrome Co., Inc.	1A. Policy Number: 122-9002-9	PLEASE DO NOT USE THIS COLUMN
2. Mailing Address (Number and Street, City, ZIP): 9132 Dice Rd., Santa Fe Sprgs, Ca 90670	2A. Phone Number: (213) 946-6671	CASE NO.
3. Location, if different from mail address (Number and Street, City, ZIP):	3A. Location Code:	OWNERSHIP
4. Nature of business e.g., painting contractor, wholesale grocer, sawmill, hotel, etc.: Plating & Grinding	4A. Nature of business: 122-9002-9	
5. Type of employer: Y		

FX-6: Personal Privacy

[redacted]

Completed by (type or print)	Signature	Title	Date

SCIF 3067 (REV. 4-87)

FILING OF THIS REPORT IS NOT AN ADMISSION OF LIABILITY. NOTICE OF WORKERS' COMPENSATION BENEFITS MUST BE GIVEN TO INJURED WORKER WITHIN 5 DAYS OF YOUR KNOWLEDGE OF THIS INJURY.

FORM 5020 (REV. 5)
April 1987

SLAUSON-SORENSEN MEDICAL CLINIC

UB CASE NO. R-0551-0

11823 E. SLAUSON AVE., SUITE 40, SANTA FE SPRINGS, CA 90670, (213) 696-1161

CARRIER'S NO.

EPORTABLE

ON-REPORTABLE

DOCTOR'S FIRST REPORT OF WORK INJURY OR ILLNESS

IMMEDIATELY AFTER FIRST EXAMINATION, MAIL ORIGINAL TO INSURER OR SELF-INSURED EMPLOYER. FAILURE TO FILE A DOCTOR'S REPORT IS A MISDEMEANOR (LABOR CODE 6413.5). IN DDITION, IN THE CASE OF A DIAGNOSED OR SUSPECTED PESTICIDE POISONING, YOU ARE REQUIRED TO: SEND ONE COPY OF THIS REPORT DIRECTLY TO THE DIVISION OF LABOR STATISTICS ND RESEARCH, P.O. BOX 603, SAN FRANCISCO, CA 94101; SEND ONE COPY TO YOUR LOCAL HEALTH OFFICER; NOTIFY YOUR LOCAL HEALTH OFFICER BY TELEPHONE WITHIN 24 HOURS.

INSURER STATE FUND

DO NOT WRITE IN THIS SPACE

EMPLOYER NAME ELECTRONIC CHROME (946-6671)

ADDRESS (NO., ST & CITY) 9132 DICE RD. SANTA FE SPRINGS CA 90670

NATURE OF BUSINESS (MANUFACTURING SHOES, BUILDING CONSTRUCTION, RETAILING MEN'S CLOTHES, ETC.)

FX-6: Personal Privacy

DELAY IN SUBMITTING THIS REPORT MAY CAUSE A DELAY IN BENEFITS TO YOUR PATIENT

PLEASE TYPE ALL INFORMATION, IF POSSIBLE

State of California
EMPLOYER'S REPORT
OF OCCUPATIONAL
INJURY OR ILLNESS

Please complete in triplicate. Retain one copy for your files and mail the original and one copy to

STATE COMPENSATION INSURANCE FUND

P.O. BOX 915
ARCADIA, CA 91006-0915
Telephone: (818) 445-4030 (213) 721-7711

OSHA Case or File No.

PICA XXX ELITE XXX — TYPEWRITER ALIGNMENT GUIDE — PICA XXX ELITE XXX

California law requires an employer to report within five days every industrial injury or occupational disease which: (a) results in lost time beyond the day of injury, or (b) requires medical treatment other than first aid. PLEASE NOTE: In addition, if death results or if the injury or illness: (a) requires inpatient hospitalization of more than 24 hours for other than medical observation; or (b) results in loss of any member of the body; or (c) produces any serious degree of permanent disfigurement, then the nearest district office of the California Division of Occupational Safety and Health also must be notified immediately by telephone or telegraph. This notification is not required, however, if the injury or death results from an accident on a public street or highway.

PLEASE DO NOT USE THIS COLUMN

Electronic Chrome Co., Inc. — 112-81 Group 7

9132 Dice Rd. - Santa Fe Springs, CA 90670 — (213) 946-6671

Plating & grinding — 122-9002-9

FX-6: Personal Privacy

Completed by (type or print)	Signature	Title	Date
JOYCE GILLAM	Joyce Gillam	SECRETARY	4/3/89

SCIF 3067 (REV. 4-87)

FILING OF THIS REPORT IS NOT AN ADMISSION OF LIABILITY. NOTICE OF WORKERS' COMPENSATION BENEFITS MUST BE GIVEN TO INJURED WORKER WITHIN 5 DAYS OF YOUR KNOWLEDGE OF THIS INJURY.

FORM 5020 (REV. 5)
April 1987

UR CASE NO. R-0463-0

EPORTABLE

ON-REPORTABLE

SLAUSON - SORENSEN MEDICAL CLINIC

11823 E. SLAUSON AVE., SUITE 40, SANTA FE SPRINGS, CA 90670, (213) 696-1161

CARRIER'S NO.

DOCTOR'S FIRST REPORT OF WORK INJURY OR ILLNESS

IMMEDIATELY AFTER FIRST EXAMINATION, MAIL ORIGINAL TO INSURER OR SELF-INSURED EMPLOYER. FAILURE TO FILE A DOCTOR'S REPORT IS A MISDEMEANOR (LABOR CODE 6413.5). IN DDITION, IN THE CASE OF A DIAGNOSED OR SUSPECTED PESTICIDE POISONING, YOU ARE REQUIRED TO: SEND ONE COPY OF THIS REPORT DIRECTLY TO THE DIVISION OF LABOR STATISTICS ND RESEARCH, P.O. BOX 603, SAN FRANCISCO, CA 94101; SEND ONE COPY TO YOUR LOCAL HEALTH OFFICER; NOTIFY YOUR LOCAL HEALTH OFFICER BY TELEPHONE WITHIN 24 HOURS.

SURER STATE FUND

EMPLOYER NAME ELECTRONIC CHROME (946-6671)

ADDRESS (NO. ST & CITY) 9132 DICE RD. SANTA FE SPRINGS CA 90670

NATURE OF BUSINESS (MANUFACTURING SHOES, BUILDING CONSTRUCTION, RETAILING MEN'S CLOTHES, ETC.)

DO NOT WRITE IN THIS SPACE

FX-6: Personal Privacy

PLEASE SUBMIT YOUR REPORT WITHIN FIVE DAYS OF YOUR EXAMINATION

DELAY IN SUBMITTING THIS REPORT MAY CAUSE A DELAY IN BENEFITS TO YOUR PATIENT

PLEASE TYPE ALL INFORMATION, IF POSSIBLE

State of California EMPLOYER'S REPORT OF OCCUPATIONAL INJURY OR ILLNESS	Please complete in triplicate. Retain one copy for your files and mail the original and one copy to **STATE COMPENSATION INSURANCE FUND** P.O. BOX 915 ARCADIA, CA 91006-0915 Telephone: (818) 445-4030 (213) 721-7711	OSHA Case or File No.

PICA XXX ELITE XXX ← TYPEWRITER ALIGNMENT GUIDE → PICA XXX ELITE XXX

California law requires an employer to report **within five days** every industrial injury or occupational disease which: (a) results in lost time beyond the day of injury, or (b) requires medical treatment other than first aid. **PLEASE NOTE:** In addition, if death results or if the injury or illness: (a) requires inpatient hospitalization of more than 24 hours for other than medical observation; or (b) results in loss of any member of the body; or (c) produces any serious degree of permanent disfigurement, then the nearest district office of the California Division of Occupational Safety and Health also must be notified **immediately** by telephone or telegraph. This notification is not required, however, if the injury or death results from an accident on a public street or highway.

EMPLOYER

1. FIRM NAME — DIVISION: Electronic Chrome Co., Inc.
2. MAILING ADDRESS (Number and Street, City, ZIP): 9132 Dice Rd., Santa Fe Springs, CA 90670
3. LOCATION, IF DIFFERENT FROM MAIL ADDRESS (Number and Street, City, ZIP):
4A. NATURE OF BUSINESS e.g., painting contractor, wholesale grocer, sawmill, hotel, etc.: Plating & grinding
4B. TYPE OF EMPLOYER: PRIVATE X STATE CITY COUNTY SCHOOL DISTRICT OTHER GOVERNMENT — SPECIFY
1A. POLICY NUMBER: 112-81 Group 75
2A. PHONE NUMBER: (213) 946-6671
3A. LOCATION CODE:
5. STATE UNEMPLOYMENT INSURANCE ACCT. NO.: 122-9002-9

PLEASE DO NOT USE THIS COLUMN
CASE NO.
OWNERSHIP
INDUSTRY

FX-6: Personal Privacy

Completed by (type or print)	Signature	Title	Date
JOYCE GILLAM	Joyce Gillam	SECRETARY	3/15/89

SCIF 3067 (REV. 4-87)

FILING OF THIS REPORT IS NOT AN ADMISSION OF LIABILITY. NOTICE OF WORKERS' COMPENSATION BENEFITS MUST BE GIVEN TO INJURED WORKER WITHIN 5 DAYS OF YOUR KNOWLEDGE OF THIS INJURY.

FORM 5020 (REV. 5) April 1987

UR CASE NO. R-0363-0

CPORTABLE

ON-REPORTABLE

SLAUSON - SORENSEN MEDICAL CLINIC

11823 E. SLAUSON AVE., SUITE 40, SANTA FE SPRINGS, CA 90670, (213) 696-1161

CARRIER'S NO.

DOCTOR'S FIRST REPORT OF WORK INJURY OR ILLNESS

IMMEDIATELY AFTER FIRST EXAMINATION, MAIL ORIGINAL TO INSURER OR SELF-INSURED EMPLOYER. FAILURE TO FILE A DOCTOR'S REPORT IS A MISDEMEANOR (LABOR CODE 6413.5). IN ADDITION, IN THE CASE OF A DIAGNOSED OR SUSPECTED PESTICIDE POISONING, YOU ARE REQUIRED TO: SEND ONE COPY OF THIS REPORT DIRECTLY TO THE DIVISION OF LABOR STATISTICS AND RESEARCH, P.O. BOX 603, SAN FRANCISCO, CA 94101; SEND ONE COPY TO YOUR LOCAL HEALTH OFFICER; NOTIFY YOUR LOCAL HEALTH OFFICER BY TELEPHONE WITHIN 24 HOURS.

SURER STATE FUND

DO NOT WRITE IN THIS SPACE

EMPLOYER NAME ELECTRONIC CHROME (946-6671)

ADDRESS (NO. ST & CITY) 9132 DICE RD. SANTA FE SPRINGS CA 90670

NATURE OF BUSINESS (MANUFACTURING SHOES, BUILDING CONSTRUCTION, RETAILING MEN'S CLOTHES, ETC.)

FX-6: Personal Privacy

PLEASE SUBMIT YOUR REPORT WITHIN FIVE DAYS OF YOUR EXAMINATION

DELAY IN SUBMITTING THIS REPORT MAY CAUSE A DELAY IN BENEFITS TO YOUR PATIENT

PLEASE TYPE ALL INFORMATION, IF POSSIBLE

State of California

EMPLOYER'S REPORT OF OCCUPATIONAL INJURY OR ILLNESS

Please complete in triplicate. Retain one copy for your files and mail the original and one copy to

STATE COMPENSATION INSURANCE FUND

P.O. BOX 915
ARCADIA, CA 91006-0915
Telephone: (818) 445-4030 (213) 721-7711

OSHA Case or File No.

PICA XXX ELITE XXX ← TYPEWRITER ALIGNMENT GUIDE → PICA XXX ELITE XXX

California law requires an employer to report **within five days** every industrial injury or occupational disease which: (a) results in lost time beyond the day of injury, or (b) requires medical treatment other than first aid. **PLEASE NOTE:** In addition, if death results or if the injury or illness: (a) requires inpatient hospitalization of more than 24 hours for other than medical observation; or (b) results in loss of any member of the body; or (c) produces any serious degree of permanent disfigurement, then the nearest district office of the California Division of Occupational Safety and Health also must be notified **immediately** by telephone or telegraph. This notification is not required, however, if the injury or death results from an accident on a public street or highway.

EMPLOYER

1. FIRM NAME: Electronic Chrome Co., Inc.
DIVISION:
1A. POLICY NUMBER: 112-81,Gropp 75
2. MAILING ADDRESS (Number and Street, City, ZIP): 9132 Dice Rd. - Santa Fe Springs, CA 90670
2A. PHONE NUMBER: (213) 946-6671
3. LOCATION, IF DIFFERENT FROM MAIL ADDRESS (Number and Street, City, ZIP):
3A. LOCATION CODE:
4A. NATURE OF BUSINESS e.g., painting contractor, wholesale grocer, sawmill, hotel, etc.: Plating & grinding
5. STATE UNEMPLOYMENT INSURANCE ACCT. NO.: 122-9002-9
4B. TYPE OF EMPLOYER: PRIVATE STATE CITY COUNTY SCHOOL DISTRICT OTHER GOVERNMENT — SPECIFY

PLEASE DO NOT USE THIS COLUMN

CASE NO.

OWNERSHIP

INDUSTRY

FX-6: Personal Privacy

[redacted]

Joyce Gillam | Secretary | 2/10/89

SCIF 3067 (REV. 4-87)

FILING OF THIS REPORT IS NOT AN ADMISSION OF LIABILITY. NOTICE OF WORKERS' COMPENSATION BENEFITS MUST BE GIVEN TO INJURED WORKER WITHIN 5 DAYS OF YOUR KNOWLEDGE OF THIS INJURY.

FORM 5020 (REV. 5)
April 1987

OUR CASE NO. R-0204-0

REPORTABLE

NON-REPORTABLE

SLAUSON - SORENSEN MEDICAL CLINIC

11823 E. SLAUSON AVE., SUITE 40, SANTA FE SPRINGS, CA 90670, (213) 696-1161

CARRIER'S NO.

DOCTOR'S FIRST REPORT OF WORK INJURY OR ILLNESS

IMMEDIATELY AFTER FIRST EXAMINATION, MAIL ORIGINAL TO INSURER OR SELF-INSURED EMPLOYER. FAILURE TO FILE A DOCTOR'S REPORT IS A MISDEMEANOR (LABOR CODE 6413.5). IN ADDITION, IN THE CASE OF A DIAGNOSED OR SUSPECTED PESTICIDE POISONING, YOU ARE REQUIRED TO: SEND ONE COPY OF THIS REPORT DIRECTLY TO THE DIVISION OF LABOR STATISTICS AND RESEARCH, P.O. BOX 603, SAN FRANCISCO, CA 94101; SEND ONE COPY TO YOUR LOCAL HEALTH OFFICER; NOTIFY YOUR LOCAL HEALTH OFFICER BY TELEPHONE WITHIN 24 HOURS.

INSURER STATE FUND

DO NOT WRITE IN THIS SPACE

1. EMPLOYER NAME ELECTRONIC CHROME (946-6671)
2. ADDRESS (NO., ST & CITY) 9132 DICE RD. SANTA FE SPRINGS CA 90670
3. NATURE OF BUSINESS (MANUFACTURING SHOES, BUILDING CONSTRUCTION, RETAILING MEN'S CLOTHES, ETC.)

FX-6: Personal Privacy

PLEASE SUBMIT YOUR REPORT WITHIN FIVE DAYS OF YOUR EXAMINATION
DELAY IN SUBMITTING THIS REPORT MAY CAUSE A DELAY IN BENEFITS TO YOUR PATIENT

PLEASE TYPE ALL INFORMATION, IF POSSIBLE

State of California
EMPLOYER'S REPORT
OF OCCUPATIONAL
INJURY OR ILLNESS

Please complete in triplicate. Retain one copy for your files and mail the original and one copy to

STATE COMPENSATION INSURANCE FUND

P.O. BOX 915
ARCADIA, CA 91006-0915
Telephone: (818) 445-4030 (213) 721-7711

OSHA Case or File No.
010

PICA XXX ELITE XXX

TYPEWRITER ALIGNMENT GUIDE

PICA XXX ELITE XXX

California law requires an employer to report within five days every industrial injury or occupational disease which: (a) results in lost time beyond the day of injury, or (b) requires medical treatment other than first aid. **PLEASE NOTE:** In addition, if death results or if the injury or illness: (a) requires inpatient hospitalization of more than 24 hours for other than medical observation; or (b) results in loss of any member of the body; or (c) produces any serious degree of permanent disfigurement, then the nearest district office of the California Division of Occupational Safety and Health also must be notified **immediately** by telephone or telegraph. This notification is not required, however, if the injury or death results from an accident on a public street or highway.

EMPLOYER

1. FIRM NAME: Electronic Chrome Co., Inc.

DIVISION

1A. POLICY NUMBER: 112-81 Group 75

2. MAILING ADDRESS (Number and Street, City, ZIP): 9132 Dice Rd., Santa Fe Springs, CA 90670

2A. PHONE NUMBER: (213) 946-6671

3. LOCATION, IF DIFFERENT FROM MAIL ADDRESS (Number and Street, City, ZIP)

3A. LOCATION CODE

5. STATE UNEMPLOYMENT INSURANCE ACCT. NO.: 122-9002-9

4A. NATURE OF BUSINESS e.g., painting contractor, wholesale grocer, sawmill, hotel, etc.: Chrome plating & grinding

4B. TYPE OF EMPLOYER: PRIVATE X STATE CITY COUNTY SCHOOL DISTRICT OTHER GOVERNMENT — SPECIFY

7. DATE OF BIRTH (MM-DD-YY)

PLEASE DO NOT USE THIS COLUMN

CASE NO.

OWNERSHIP

INDUSTRY

OCCUPATION

FX-6: Personal Privacy

[redacted]

Completed by (type or print)	Signature		
Joyce Gillam	Joyce Gillam	Secretary	7/19/90

SCIF 3067 (REV. 4-87)

FILING OF THIS REPORT IS NOT AN ADMISSION OF LIABILITY. NOTICE OF WORKERS' COMPENSATION BENEFITS MUST BE GIVEN TO INJURED WORKER WITHIN 5 DAYS OF YOUR KNOWLEDGE OF THIS INJURY.

FORM 5020 (REV. April 1987

DOCTOR'S FIRST REPORT OF OCCUPATIONAL INJURY OR ILLNESS STATE OF CALIFORNIA

Failure to file a timely doctor's report may result in assessment of a civil penalty. In the case of diagnosed or suspected pesticide poisoning, send one copy of this report directly of the Division of Labor Statistics and Research, P.O. Box 603, San Francisco, CA 94101.

1. **INSURER NAME AND ADDRESS** OUR CASE # S-0899-0 STATE FUND P.O. BOX 915 ARCADIA 91006	PLEASE NO NOT USE THIS COLUMN
2. **EMPLOYER NAME** ELECTRONIC CHROME (946-6671)	Case No.
3. Address: No. and Street / City / Zip 9132 DICE RD. SANTA FE SPRINGS CA 90670	Industry
4. Nature of business (e.g., food manufacturing, building construction, retailer of women's clothes)	County

FX-6: Personal Privacy

S L A U S O N - S O R E N S E N M E D I C A L C L I N I C
11823 E. SLAUSON AVE., SUITE 40, SANTA FE SPRINGS, CA. 90670 (213) 696-1161
DOCTOR'S FIRST REPORT OF WORK INJURY OR ILLNESS
OUR CASE NO. S-0899-0

FX-6: Personal Privacy

PLEASE TYPE ALL INFORMATION, IF POSSIBLE

State of California
EMPLOYER'S REPORT
OF OCCUPATIONAL
INJURY OR ILLNESS

Please complete in triplicate. Retain one copy for your files and mail the original and one copy to

STATE COMPENSATION INSURANCE FUND

P.O. BOX 915
ARCADIA, CA 91006-0915
Telephone: (818) 445-4030 (213) 721-7711

OSHA Case or File No. 020

PICA XXX ELITE XXX ← TYPEWRITER ALIGNMENT GUIDE → PICA XXX ELITE XXX

California law requires an employer to report within five days every industrial injury or occupational disease which: (a) results in lost time beyond the day of injury, or (b) requires medical treatment other than first aid. **PLEASE NOTE:** In addition, if death results or if the injury or illness: (a) requires inpatient hospitalization of more than 24 hours for other than medical observation; or (b) results in loss of any member of the body; or (c) produces any serious degree of permanent disfigurement, then the nearest district office of the California Division of Occupational Safety and Health also must be notified **immediately** by telephone or telegraph. This notification is not required, however, if the injury or death results from an accident on a public street or highway.

1. FIRM NAME: Electronic Chrome Co., Inc.
DIVISION
2. MAILING ADDRESS (Number and Street, City, ZIP): 9132 Dice Rd. - Santa Fe Springs, CA 90670
3. LOCATION, IF DIFFERENT FROM MAIL ADDRESS (Number and Street, City, ZIP)
4A. NATURE OF BUSINESS e.g., painting contractor, wholesale grocer, sawmill, hotel, etc.: Plating & grinding
4B. TYPE OF EMPLOYER: PRIVATE X STATE CITY COUNTY SCHOOL DISTRICT OTHER GOVERNMENT — SPECIFY
5. EMPLOYER NAME
6. POLICY NUMBER: 112-81 Grp 75
6A. PHONE NUMBER: (213)946-6671
6A. LOCATION CODE
6B. STATE UNEMPLOYMENT INSURANCE ACCT. NO.: 122-9002-9

PLEASE DO NOT USE THIS COLUMN
CASE NO.
OWNERSHIP
INDUSTRY

FX-6: Personal Privacy

[redacted]

Prepared by	Signature	Title	Date
JOYCE GILLAN	Joyce Gillan	Secretary	7/31/90

3067 (REV. 4-87)

FILING OF THIS REPORT IS NOT AN ADMISSION OF LIABILITY. NOTICE OF WORKERS' COMPENSATION BENEFITS MUST BE GIVEN TO INJURED WORKER WITHIN 5 DAYS OF YOUR KNOWLEDGE OF THIS INJURY

FORM 5020 (REV. 5)

DOCTOR'S FIRST REPORT OF OCCUPATIONAL INJURY OR ILLNESS STATE OF CALIFORNIA

Failure to file a timely doctor's report may result in assessment of a civil penalty. In the case of diagnosed or suspected pesticide poisoning, send one copy of this report directly of the Division of Labor Statistics and Research, P.O. Box 603, San Francisco, CA 94101.

1. INSURER NAME AND ADDRESS — OUR CASE # S-0942-0

STATE FUND
P.O. BOX 915 ARCADIA 91006

PLEASE NO NOT USE THIS COLUMN

2. EMPLOYER NAME — Case No.

ELECTRONIC CHROME (946-6671)

3. Address: No. and Street / City / Zip — Industry

9132 DICE RD. SANTA FE SPRINGS CA 90670

4. Nature of business (e.g., food manufacturing, building construction, retailer of women's clothes) — County

FX-6: Personal Privacy

S L A U S O N - S O R E N S E N M E D I C A L C L I N I C
11823 E. SLAUSON AVE., SUITE 40, SANTA FE SPRINGS, CA. 90670 (213) 696-1161
DOCTOR'S FIRST REPORT OF WORK INJURY OR ILLNESS
OUR CASE NO. S-8942-0

FX-6: Personal Privacy

PLEASE TYPE ALL INFORMATION, IF POSSIBLE

State of California
EMPLOYER'S REPORT
OF OCCUPATIONAL
INJURY OR ILLNESS

Please complete in triplicate. Retain one copy for your files and mail the original and one copy to

STATE COMPENSATION INSURANCE FUND

P.O. BOX 915
ARCADIA, CA 91006-0915
Telephone: (818) 445-4030 (213) 721-7711

OSHA Case or File No.
030

PICA XXX ELITE XXX ← TYPEWRITER ALIGNMENT GUIDE → PICA XXX ELITE XXX

California law requires an employer to report within five days every industrial injury or occupational disease which: (a) results in lost time beyond the day of injury, or (b) requires medical treatment other than first aid. **PLEASE NOTE:** In addition, if death results or if the injury or illness: (a) requires inpatient hospitalization of more than 24 hours for other than medical observation; or (b) results in loss of any member of the body; or (c) produces any serious degree of permanent disfigurement, then the nearest district office of the California Division of Occupational Safety and Health also must be notified **immediately** by telephone or telegraph. This notification is not required, however, if the injury or death results from an accident on a public street or highway.

EMPLOYER

1. FIRM NAME: Electronic Chrome Co., Inc.

DIVISION

1A. POLICY NUMBER: 112-89 Grp 75

2. MAILING ADDRESS (Number and Street, City, ZIP): 9132 Dice Rd., Santa Fe Springs, CA 90670

2A. PHONE NUMBER: 213-946-6671

3. LOCATION, IF DIFFERENT FROM MAIL ADDRESS (Number and Street, City, ZIP)

3A. LOCATION CODE

4A. NATURE OF BUSINESS e.g., painting contractor, wholesale grocer, sawmill, hotel, etc.: Plating & precision grinding

5. STATE UNEMPLOYMENT INSURANCE ACCT. NO.: 122-9002-9

4B. TYPE OF EMPLOYER: PRIVATE X STATE CITY COUNTY SCHOOL DISTRICT OTHER GOVERNMENT — SPECIFY

PLEASE DO NOT USE THIS COLUMN

CASE NO.

OWNERSHIP

INDUSTRY

FX-6: Personal Privacy

Completed by (type or print)	Signature		
JOYCE GILLAM	Joyce Gillam	Secretary	8/22/91

SCIF 3067 (REV 4-87)

FILING OF THIS REPORT IS NOT AN ADMISSION OF LIABILITY. NOTICE OF WORKERS' COMPENSATION BENEFITS MUST BE GIVEN TO INJURED WORKER WITHIN 5 DAYS OF YOUR KNOWLEDGE OF THIS INJURY.

FORM 5020 (REV.: April 1987

DEPARTMENT OF INDUSTRIAL RELATIONS
DIVISION OF WORKERS' COMPENSATION

EMPLOYEE'S CLAIM FOR WORKERS' COMPENSATION BENEFITS

FX-6: Personal Privacy

[redacted]

Employer: You are required to date this form and provide copies as marked, to your insurer and to the employee, dependent or agent who filed the claim.
Signing this form does not necessarily constitute acceptance of a claim.
Please return original to your local State Fund office.

STATE COMPENSATION INSURANCE FUND

SCIF 3301 (NEW 1-90)

EMPLOYER'S COPY

PLEASE TYPE ALL INFORMATION IF POSSIBLE

State of California EMPLOYER'S REPORT OF OCCUPATIONAL INJURY OR ILLNESS	Please complete in triplicate. Retain one copy for your files and mail the original and one copy to **STATE COMPENSATION INSURANCE FUND** P.O. BOX 915 ARCADIA, CA 91006-0915 Telephone: (818) 574-2600 (213) 721-7711	OSHA Case or File No.

PICA XXX ELITE XXX ← TYPEWRITER ALIGNMENT GUIDE → PICA XXX ELITE XXX

California law requires an employer to report **within five days** every industrial injury or occupational disease which: (a) results in lost time beyond the day of injury, or (b) requires medical treatment other than first aid. **PLEASE NOTE:** In addition, if death results or if the injury or illness: (a) requires inpatient hospitalization of more than 24 hours for other than medical observation; or (b) results in loss of any member of the body; or (c) produces any serious degree of permanent disfigurement, then the nearest district office of the California Division of Occupational Safety and Health also must be notified **immediately** by telephone or telegraph. This notification is not required, however, if the injury or death results from an accident on a public street or highway.

EMPLOYER

1. FIRM NAME: Electronic Chrome Co.
DIVISION:
1A. POLICY NUMBER: 112-91 Grp 75
2. MAILING ADDRESS (Number and Street, City, ZIP): 9132 Dice Rd. - Santa Fe Springs, CA 90670
2A. PHONE NUMBER: 213-946-6671
3. LOCATION, IF DIFFERENT FROM MAIL ADDRESS (Number and Street, City, ZIP):
3A. LOCATION CODE:
4A. NATURE OF BUSINESS e.g., painting contractor, wholesale grocer, sawmill, hotel, etc.: Plating & grinding
5. STATE UNEMPLOYMENT INSURANCE ACCT. NO.: 122-900209
4B. TYPE OF EMPLOYER: PRIVATE STATE CITY COUNTY SCHOOL DISTRICT OTHER GOVERNMENT — SPECIFY

PLEASE DO NOT USE THIS COLUMN
CASE NO.
OWNERSHIP
INDUSTRY

FX-6: Personal Privacy

Completed by (type or print)	Signature	Title	Date

SCIF 3067 (REV. 4-87)

FILING OF THIS REPORT IS NOT AN ADMISSION OF LIABILITY. NOTICE OF WORKERS' COMPENSATION BENEFITS MUST BE GIVEN TO INJURED WORKER WITHIN 5 DAYS OF YOUR KNOWLEDGE OF THIS INJURY.

FORM 5020 (REV. 5 April 1987

DOCTOR'S FIRST REPORT OF OCCUPATIONAL INJURY OR ILLNESS STATE OF CALIFORNIA

Failure to file a timely doctor's report may result in assessment of a civil penalty. In the case of diagnosed or suspected pesticide poisoning, send one copy of this report directly of the Division of Labor Statistics and Research, P.O. Box 603, San Francisco, CA 94101.

1. INSURER NAME AND ADDRESS — OUR CASE # T-0058-0

STATE FUND
P.O. BOX 915 ARCADIA 91008

PLEASE NO NOT USE THIS COLUMN

2. EMPLOYER NAME
ELECTRONIC CHROME (946-6671)

Case No.

3. Address: No. and Street — City — Zip
9132 DICE RD. SANTA FE SPRINGS CA 90670

Industry

4. Nature of business (e.g., food manufacturing, building construction, retailer of women's clothes)

County

FX-6: Personal Privacy

S L A U S O N - S O R E N S E N M E D I C A L C L I N I C
11823 E. SLAUSON AVE., SUITE 40, SANTA FE SPRINGS, CA. 90670 (213) 696-1161
DOCTOR'S FIRST REPORT OF WORK INJURY OR ILLNESS
OUR CASE NO. T-0058-0

FX-6: Personal Privacy

N 18 11 36

SLAUSON-SORENSEN MEDICAL GROUP, INC.

WORK STATUS DATE: DATE: 1-18-91

FX-6: Personal Privacy

11623 E. Slauson Avenue, Suite 40, Santa Fe Springs, California 90670 • Tel. (213) 696-1161 • Fax (213) 696-7613

Department of Industrial Relations
DIVISION OF WORKERS' COMPENSATION

EMPLOYEE'S CLAIM FOR WORKERS' COMPENSATION BENEFITS

If you are injured or become ill because of your job, you are entitled to workers' compensation benefits.

Complete the "Employee" section and give the form to your employer. Keep the copy marked "Employee's Temporary Receipt" until you receive the dated copy from your employer. You may contact the State's Office of Benefit Assistance and Enforcement at **1-800-736-7401** if you need help in filling out this form or obtaining your benefits. An explanation of workers' compensation benefits is included on the reverse of this form.

You should also have received a pamphlet from your employer describing workers' compensation benefits and the procedures to obtain them.

EMPLOYEE:

FX-6: Personal Privacy

[redacted]

EMPLOYER: You are required to date this form and provide copies to your insurer and to the employee, dependent or representative who filed the claim **within one working day** of receipt of completed form from employee. Please return original along with your Employer's First Report of Injury to your local State Fund office.

SIGNING THIS FORM IS NOT AN ADMISSION OF LIABILITY

STATE COMPENSATION INSURANCE FUND

DWC Form 1 (1-1-90)
SCIF 3301 (Rev. 6-90)

EMPLOYER'S COPY