



ENVIRONMENTAL STRATEGIES CORPORATION

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FAX COVER SHEET

ENVIRONMENTAL PROTECTION
95 OCT -5 AM 9:05

TO: SUSAN HUGO

FAX No.: 510 337 9335

DATE: 10/4/95

TOTAL NO OF PAGES: 8 Hard Copy to Follow
(including cover sheet)

FROM: JEFF BENSON

RE: HEALTH & SAFETY PLAN FOR CLEARPRINT INVESTIGATION

Message

ATTACHED IS THE H&S PLAN.
PLEASE LET ME KNOW IF YOU
REQUIRE FURTHER INFO.

ENCLOSURE →

* WE PLAN ON PERFORMING THE
WORK TUESDAY (10/10/95)

ENVIRONMENTAL
PROTECTION
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HEALTH AND SAFETY PLAN FOR SITE INVESTIGATION

1.0 SITE INFORMATION

Site Name: Clearprint Paper Company Project No: 212428-02

Location: 1482 67th Street, Emeryville, California

Site Contact: Earl Mau Phone No.: (510) 652-4762

Plan Prepared By: Jeff Benson Date: October 4, 1995

Scope of Work:

Drill six soil borings and collect samples for lab analysis. Three of the borings are to be completed as 2" diameter monitoring wells. Groundwater sampling will follow development of the monitoring wells.

Proposed Date of

Investigation: October 10, 1995 - Drilling Activities. Groundwater sampling to follow at later dates.

2.0 REVIEWS AND APPROVALS:

Project Manager

Jeff Benson / 10/4/95
(date)

Health and Safety Coordinator

[Signature] / 10/4/95
(date)

Project Health and Safety Officer

Jeff Benson / 10/4/95
(date)

3.0 FACILITY DESCRIPTION:

The Clearprint Paper Company is located west of Hollis Street and north of 67th Street Emeryville, California. The facility is currently operational and manufactures specialty paper products.

3.1 Principal Operations:

Clearprint Paper manufactures specialty paper products such as transparent drafting paper.

3.2 Unusual Features (containers, buildings, dikes, power lines, terrain, etc.):

An area that formerly contained underground storage tanks is located between the southern side of the Clearprint building and 67th Street. There are overhead power line and underground utilities in the area where the work is to be performed.

4.0 HAZARD ASSESSMENT

4.1 Waste Types:

Liquid X Solid X Sludge ___ Gas ___

Describe: Soils possibly contaminated with total petroleum hydrocarbons (TPH) and/or benzene, toluene, ethyl benzene, and xylene (BTEX) compounds. Contaminated groundwater will also be handled.

4.2 Characteristics:

Corrosive ___ Flammable ___ Radioactive ___ Toxic X Volatile X

Reactive ___ Inert ___ Oily Wastes X

4.3 Overall Hazard Is:

High ___ Moderate X Low ___ Unknown ___

4.4 Hazards of Concern (check as many as apply):

() Heat Stress (X) Volatile Compounds (X) Cold Stress (Attachment A)
() Inorganic Chemicals (X) Explosion/Flammable (X) Organic Chemicals
() Confined Space () Radiological () Oxygen Deficient () Biological
() General Construction (X) Noise (X) Other, Specify: Burn/scalding hazard associated with drill rig steam cleaning procedures. Electrical associated with working near or with electrical power lines.

4.5 Hazard Assessment:

Describe possible hazards taking into account toxic effects, reactivity, stability, flammability, operational concerns, sampling, steam cleaning, etc.:

Physical injuries may result from the improper operation of heavy equipment and decontamination equipment. The potential for injuries inherent in operating heavy equipment is multiplied when operators are wearing restrictive personal protective equipment. Onsite personnel must be aware of their surroundings at all times and

aware of the activities of other personnel. Personnel working with or around the construction equipment may be exposed to excessive noise from the construction operations. Appropriate ear protection will be provided to minimize noise levels. Contact with overhead lines and prolonged skin contact with chemicals also present a potential physical hazard. If threatening hazards are noted during field activities, the work area will be evacuated. No personnel will return unless instrumentation, engineering judgment, or an emergency response official indicates that it is safe and proper to do so.

5.0 MONITORING PROCEDURES (describe):

The air in the breathing zone of onsite personnel will be monitored for organic compounds using a photoionization detector. Sustained elevated readings 25 parts per million (ppm) above background will dictate the upgrade of personal protective equipment from level D to level C. Sustained elevated readings 250 ppm above background will require the work area to be evacuated of personnel until the situation can be further evaluated.

6.0 PERSONAL PROTECTION:

6.1 Primary:

Level B Level C Level D Other, describe:

6.2 Contingency:

Level B Level C Level D Other, describe:

6.3 Protective Equipment

Level D: Level D protection is designed for use when only minor skin and eye protection is needed and airborne contamination is unlikely. Personal equipment requirements for Level D includes:

- Hard hat
- Eye Protection
- Work gloves
- Steel-toe safety boots

- Gloves, chemical resistant (optional)
- Ear protection (optional)

Level C: Level C protection is designed for use when minor skin and eye protection is needed with the addition of respiratory protection. The personal protection equipment required for Level C includes:

- Hard hat
- Air purifying respirator with appropriate cartridges
- Gloves, chemical resistant
- Long sleeved shirt or coveralls
- Steel-toe safety boots
- Overboots, chemical resistant (optional)
- Ear protection (optional)

7.0 DECONTAMINATION AND DISPOSAL

7.1 Personnel Decontamination:

Personal protective equipment will be used to protect personnel from exposure to contamination. Hands and face will be washed thoroughly after leaving the work area and before eating, drinking, or any other hand-to-mouth activities. If conditions require an upgrade of personal protective equipment from level D to level C, proper procedures will be followed to assure minimal exposure to contaminants and personnel involved in the work activities will shower as soon as feasible after removing Level C protective garments. Whenever possible, contact with with contaminated or suspected contaminated surfaces will be avoided. Used disposable personal protection equipment will be collected in a specified container that will be properly disposed of.

7.2 Equipment Decontamination:

Drilling augers and sampling devices and containers will be decontaminated using a portable steam cleaner.

8.0 EMERGENCY CONTACTS:

Site Contact	<u>Earl Mau (Clearprint)</u>
Site Telephone	<u>(510) 652-4762</u>
Additional Phone	<u>mobile phone - ESC vehicle</u>
Site Water Supply	<u>Drill rig</u>

Ambulance: 911

Police: Emeryville Police Department
2449 Powell
911/(510) 596-3737

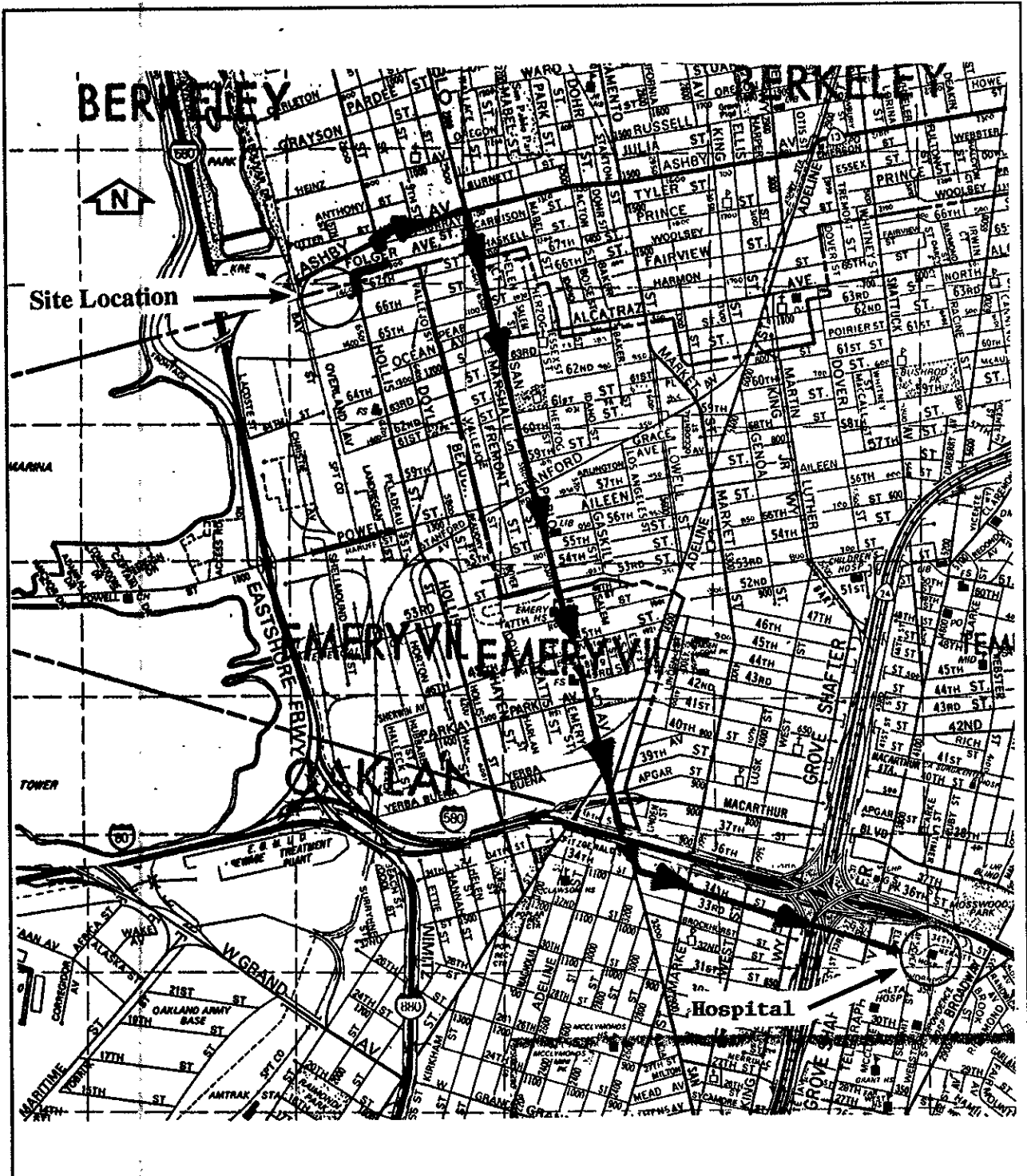
Fire department: Emeryville Fire Department
4331 San Pablo Avenue
911/(510) 652-2222

Poison control center: 911

Hospital: Merritt Hospital
Hawthorn Avenue & Webster
(510) 655-4000

Directions to hospital: Go north on Hollis Street, turn right (east) on Folger, left (north) on 7th Street, and right (east) on Ashby. Follow Ashby to San Pablo Avenue exit and go south. Turn left onto 34th street, turn right onto Webster. Merritt Hospital is located at the corner of Hawthorn and Webster.

A map showing the work site and route to the hospital is included as Figure 1.



Source: Thomas Bros. Guide
 Scale: 1 inch = 1/2 mile



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Figure 1
 Site Location
 Hospital Route
 Clearprint Paper Company
 Emeryville, California