

Community Health and Safety Plan

Prepared for the

California Integrated
Waste Management Board

During the

Aggregate Recycling Systems
Remediation Project
Huntington Park, California

sb Environmental Services, LLC
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Table of Contents

Community Health and Safety Plan – Aggregate Recycling Systems

- I. Introduction
- II. Site Identification and Location
- III. Site Description
- IV. Evaluation of Potential Public Exposure to Hazards
- V. Air Monitoring Program
- VI. Site Security
- VII. Traffic Control
- VIII. Pollution
- IX. Other Potential Contaminants
- X. Dust
- XI. Noise
- XII. Health and Safety Personnel
- XIII. Emergency Planning
- XIV. Public Notification
- XV. Agency Notification

Attachment 1 – Hospital Route Map

I. Introduction

This work plan (WP) has been prepared by A.J. Diani Construction Co., Inc. (AJD) to discuss the procedures and methods that will be used to remediate the Aggregate Recycling Systems (ARS) facility located at 6802 South Alameda Street, Huntington Park, California.

II. Site Identification and Location

The proposed work will take place at the former ARS facility located at 6802 South Alameda Street in the City of Huntington Park, California. The site is located to the south of Randolph Street and on the frontage road paralleling the east side of Alameda Street. Industrial and commercial businesses border the site on the north, south and west sides. Cottage Avenue and a residential development bound the site on the east.

III. Site Description

The site is approximately 5.45 acres in size and “L” shaped. There is a truck scale and office building fronting Alameda Street with several support buildings immediately to the east and a warehouse building located in the southeast corner of the site. As of June 8, 2004, it was estimated that there are approximately 36,000 cubic yards of processed material and 48,000 cubic yards of unprocessed material stockpiled at the site. In addition, there is other construction debris and trash contained in piles and numerous roll-off trash bins, as well as approximately 150 used truck and automobile tires, located in the southeast corner of the site.

IV. Evaluation of Potential Public Exposure to Hazards

The immediate goal of this project will be the removal of all unprocessed concrete rubble, processed material, and all other debris and trash from the site as rapidly as possible in a manner that will minimize impact to the surrounding residential and commercial communities. No on-site crushing operations are proposed.

The potential exposure to contaminants is expected to be through the migration of dust during disturbance activities. Therefore, a dust control program will be implemented at the site during all disturbance activities. Dust will be strictly controlled so as not to present a nuisance or a public health hazard. The contractor will provide adequate water trucks and wetting systems for dust control. This is explained further in Section X of this document.

The nearest resident is located to the east of the site. It is anticipated that by implementing the mitigation efforts described in this document, that the impact to the general public will be minimal.

V. Air Monitoring Program

Onsite disturbance activities [i.e., stockpiling and loading] have a potential to generate fugitive dust during the remediation project. Therefore, air monitoring for nuisance dust particulates will be conducted each workday by SB Environmental Services [SBES], until such time that sufficient information regarding the dust levels is obtained. At that time, periodic dust monitoring will be initiated at the site for the remainder of the project. The purpose of air monitoring during this project is to obtain knowledge of actual and potential human exposure to the dust particulates in the workplace and to ensure compliance with all government regulations. Depending on wind conditions, sampling locations may vary, locations will be mapped.

Action Plan to Reduce Airborne Concentrations

- ✚ A site specific Health and Safety Plan [HSP] will be developed by AJD prior to beginning site operations. The HSP will include an air monitoring strategy, which details the collection of personal and perimeter air samples for dust. Personal monitoring samples will be collected in the breathing zone [placed on the worker's lapel] by utilizing constant flow, sampling pumps. Personal samples represent the actual inhalation exposure of onsite workers. The sampling strategy will be conducted in accordance with the collection criteria outlined in the NIOSH [National Institute of Occupational Safety and Health] Methodologies. It will be implemented to detect, identify and quantify airborne concentrations of dust during disturbance activities at the Aggregate Recycling Systems site.
- ✚ Dust monitors will be utilized to determine if migration of airborne particulates is occurring during the ARS remediation. It is anticipated that at least two [2] sampling devices will be positioned in downwind perimeter locations. They will be positioned in locations sufficient to capture information regarding migrating dust particles. These locations may be changed intermittently depending upon the prevailing wind direction. The upwind and downwind dust monitoring station readings will be documented daily.
- ✚ Vapor monitoring will be conducted with a photo-ionization detector (PID) if site conditions indicate the probability of volatilization. Site conditions which would trigger this monitoring are detectable odor, soil discoloration, or proximity to abandoned underground pipes, tanks, or drums.

- ✚ When sustained visible emissions exceed OSHA and South Coast Air Quality Management District (SCAQMD) standards, project activities will be immediately halted until engineering controls are implemented to reduce airborne concentrations.

VI. Site Security

Security for the site during field operations will be the responsibility of the Site Superintendent. All workers and visitors entering the site will be required to sign an entry log. At the end of each day, the site will be secured using locks on gates at all access points. Existing site fencing and gates will remain in place during this phase of the project. However, regulated areas and designated work zones will be established within the site perimeter using 4' high orange construction fence and T-posts. Security services will be hired during all non-working hours to prevent vandalism and to keep the site secure.

- ✚ Access to areas will be limited to project personnel trained and authorized to enter the exclusion zone. Exclusion zones will be established around work areas to prevent unauthorized access to potentially hazardous construction related areas.

VII. Traffic Control

A formal Traffic Plan will be developed and implemented throughout the project. All subcontract haulers and their drivers will be required to read and acknowledge their understanding and agreement to comply with the conditions of the Plan. Specific routes will be developed for travel to each disposal site. Staging of haul trucks will

be restricted to the available parking at the site and on the frontage road paralleling Alameda Avenue between Randolph and Slauson Boulevards. Trucks staged either onsite or off must turn off engines while waiting to be loaded. Any haulers not complying with this requirement will not be allowed to return to the site.

Offsite haul routes within the vicinity of the site:

- ✚ North and southbound traffic will be restricted to Alameda Avenue. No haul trucks will be allowed to use Cottage Ave. East and west travel will be restricted to either Slauson or Florence Boulevards. Traffic on Randolph will be restricted to that portion between the frontage road providing access to the site and Alameda Avenue proper.

Onsite haul routes:

- ✚ Haul trucks will enter the site from the Alameda Avenue frontage road using the north entry gate. Upon entering the site, trucks will proceed to a parking area immediately behind the office building, park, and turn off engines. Trucks will wait there until directed to the loading area at either the processed or unprocessed piles. While loading, the trucks will leave engines running for the 1–2 minutes required to load. Once loaded, the trucks will proceed to the exit gate at the south side of the property where they will tarp their loads and receive a load manifest. The loaded trucks will exit the site onto the frontage road turning north and traveling to Randolph where they will turn left and proceed to the designated recycling/disposal facility.

It is anticipated that that 60 to 120 truckloads per day will leave the ARS site. Traffic control within the work site will be the responsibility of the Site Superintendent and will be implemented by A. J. Diani laborers.

- ✚ Flaggers will be assigned to traffic control or to give guidance and warning to the public near the construction area. Flaggers shall also direct traffic during loading and transport operations. If construction equipment is required within 25 feet of a public road, flaggers will be required during the time that equipment is operating within this distance, unless otherwise allowed by the Engineer.

VIII. Pollution

Possible sources of pollution generated during the project may be in the form of engine exhaust and/or from any unknown contaminants brought in with the debris. The following engineering controls will be implemented to minimize airborne pollution generated by site operations.

- ✚ *Only California Air Resources Board (CARB) certified construction equipment will be used onsite,*
- ✚ *All equipment will be properly maintained and tuned according to manufactures specifications,*
- ✚ *As possible, trucks used for hauling materials from the site will use low-sulfur diesel fuels.*

- ✚ Low sulfur diesel fuel will be burned in all construction equipment, in accordance with the proposed CARB regulation to reduce public exposure to diesel particulate matter and other air contaminants,*
- ✚ Vehicles utilized on this job will not be allowed to idle unnecessarily.*

Water runoff from the site will be controlled by site grading.

IX. Other Potential Contaminants

Based on current site information and sampling data, it is not anticipated that potentially contaminated soils will be present onsite, however, suspect materials will be sampled and, if necessary, removed to the appropriate, permitted facility.

- ✚ Visual observation will be used to monitor for potentially contaminated soils.*
- ✚ All personnel onsite will have 40 Hour HAZWOPPER training and be experienced in identifying suspect soils.*
- ✚ Materials will be visually screened for potentially hazardous or contaminated materials during stockpiling and loading operations.*
- ✚ Direct reading instrumentation such as Photo-ionization detectors (PID) will be available on-site. The PID will be utilized when necessary, to examine any potentially contaminated material and monitor the presence of vapors. Any PID readings collected will be recorded on a daily field log.*

X. Dust

It is anticipated that dust may be generated when haul trucks are traveling through the site and when they are being loaded. Disturbance activities will be conducted in such a manner as to minimize fugitive dust emissions. Based on previous projects, the liberal use of water to abate dust has proven to be the most effective measure. The following additional measures will be implemented to control dust.

- ✚ *Prior to start of work the existing site water system will be inspected and verified adequate to supply the needs of the project. Supplemental water may be obtained through a metered city fire hydrant if required.*

- ✚ *Twenty thousand-gallon water storage tanks will be brought to the site and plumbed to the onsite water source. From the water tanks, booster pumps will be connected to sprinkler systems placed on top of the debris piles to continually moisten material generated during remediation activities.*

- ✚ *Water amended with surfactants shall be applied to sufficiently reduce the potential for dust emissions, but shall not be applied to the point that saturation, ponding or runoff occurs.*

- ✚ *In addition to wetting the roads, a ten-mile per hour speed limit will be enforced on all trucks within the site.*

- ✚ *To provide water to specific locations while loading, the pumps will supply water to manifolds to which fire hoses can be attached. To mitigate dust generation on the haul roads, a 4,000-gallon water truck will be used to keep the site roads wet.*

- ✚ *To mitigate tracking of soil from the site, rumble strips will be installed to dislodge debris from the trucks as they exit.*
- ✚ *Finally, a sweeper will be used to periodically clean along the truck routes.*

The primary method of monitoring for dust will be by visual observation. All site personnel will be instructed to monitor for dust generation and if sustained visual opacity exceeds limits established by OSHA and SCAQMD, operations will be stopped and control methods evaluated and modified as required before work resumes.

In addition, the contractor will provide an industrial hygienist to provide air monitoring throughout the course of the remediation project. These results will be used to document the effectiveness of the contractor's dust control plan.

In the event that excessively windy conditions exist at the site to the point where, in the opinion of the engineer, the application of water is unable to control dust emissions, then operations at the site shall be halted until better conditions prevail.

XI. Noise

Noise will be generated from the heavy equipment operating at the site as well as from the mechanical sizing of large pieces of concrete required for transport. Scheduled work hours at the site will be between 7:00 a.m. and 5:00 p.m., Monday through Friday. No weekend hours are scheduled. It is anticipated that the proposed scope of work will take approximately 60 working days [12 weeks] to complete the proposed remediation work.

The following measures will be used to control noise in accordance with OSHA standards and the Huntington Park Municipal Code.

- ✚ *All equipment will be equipped with exhaust mufflers meeting or exceeding original manufacture’s specifications.*
- ✚ *No equipment will be allowed to operate onsite with a modified or broken exhaust system.*
- ✚ *The use of truck engine brakes will also be prohibited while onsite. To minimize the impact of noise generated from concrete sizing operations, a hydraulic concrete pulverizer will be used to size the rubble in lieu of a breaker.*
- ✚ *Finally, site operations will take place only during designated work hours.*

XII. Site Health and Safety Personnel

- ✚ The Project Safety Officer will be: Greg Frick, of A. J. Diani Construction Co., Inc. @ 805.925.9533
- ✚ The Project Industrial Hygienist will be: Susan Boraston, Principal Consultant, SB Environmental Services @ 831.234.3926

XIII. Emergency Planning

If a medical emergency situation arises during sampling activities, “911” notification will be utilized. Under these circumstances, the person(s) will be transported to the nearest hospital specified below. Refer to

Attachment 1 – Hospital Route Map. The following hospital will be utilized for emergency response situations that could occur at the site during normal operations:

Local Hospital: **Community Hospital – Huntington Park**
 2623 E. Slauson Avenue
 Huntington Park, CA. 90255
Phone # 323.583.1931

Directions to the Hospital from the site

From the site, Proceed North on Alameda Street. Turn Left [West] onto Randolph Street, then immediately turn Right [North] onto South Alameda Street. Turn Right [East] onto E. Slauson Avenue and continue for 0.8 miles. [see Figure 1 – Hospital Route Map]

Total Estimated Time: 2 minutes

Total Estimated Distance: 1.1 miles

XIV. Public Notification

Public notification will include distribution of notices to nearby properties, prior to the initiation of field activities. These notices will be in English and Spanish and will be hand-delivered or mailed. The public notification will include the following:

- 🚒 24-Hour emergency contact names and phone numbers;

- ✚ Anticipated duration of onsite activities ; and

- ✚ Description of onsite activities to be conducted including dates and times;

- ✚ Proposition 65 warnings.

A public meeting will be held prior to start of construction to discuss the remediation effort and to answer questions the community may have.

XV. Agency Notification

The following agencies will be notified immediately if any unexpected situation with respect to community health and safety is encountered during the site remediation.

- ✚ California Integrated Waste Management Board [CIWMB], Attn: Mr. Jeff Cornette @ 916.341.6317;

- ✚ City of Huntington Park, Attn: Mr. Henry Gray @ 323.584.6300;

An emergency phone list will be posted in the onsite construction trailer and will also be available from the CIWMB representative and or Site Superintendent.



CHSP Developed by:
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