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CEQA INITIAL STUDY CHECKLIST
REMEDIAL ACTION PLAN
UNION PACIFIC RAILROAD YARD
SACRAMENTO, CALIFORNIA

 **DAMES & MOORE**

SAC91.05

JANUARY 1994
00173-080-044

 **DAMES & MOORE**

8801 FOLSOM BOULEVARD, SUITE 200, SACRAMENTO, CALIFORNIA 95826
(916) 387-8800 FAX: (916) 387-0802

January 10, 1994

Mr. James L. Tjosvold, P.E., Acting Branch Chief
Site Mitigation
Region 1, Department of Toxic Substances Control
California Environmental Protection Agency
10151 Croyden Way, Suite 3
Sacramento, CA 95827

Attention: Mr. Jose Salcedo
Project Manager

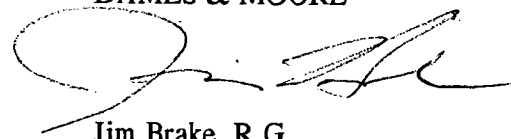
**Re: CEQA Initial Study Checklist
Remedial Action Plan
Union Pacific Railroad Yard
Sacramento, California
Dames & Moore Project No. 00173-080-044**

Dear Mr. Salcedo:

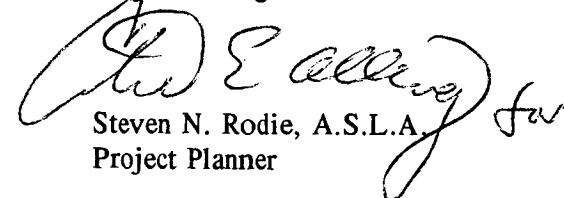
Union Pacific Railroad Company (UPRR) has requested that Dames & Moore forward to you the document referenced above. If you have any questions, please call Jim Brake at (916) 387-7530.

Sincerely,

DAMES & MOORE



Jim Brake, R.G.
Project Manager



Steven N. Rodie, A.S.L.A.
Project Planner

Enclosure

cc: Distribution List

CEQA.CL.LTR

**DISTRIBUTION LIST: UNION PACIFIC RAILROAD YARD
 SACRAMENTO, CALIFORNIA
 PROJECT NUMBER 00173-080-044**

Mr. Glenn Thomas
Manager Environmental Site Remediation
Environmental Management Group
Union Pacific Railroad Company
1416 Dodge Street, Room 930
Omaha, NE 68179-0930

Mr. Rick Eades
Director Environmental Site Remediation
Environmental Management Group
Union Pacific Railroad Company
1416 Dodge Street, Room 930
Omaha, NE 68179-0930

Mr. James Tjosvold, Acting Branch Chief
Site Mitigation
Region 1, Department of Toxic Substances Control
California Environmental Protection Agency
10151 Croyden Way, Suite 3
Sacramento, CA 95827-2106
Attn: Jose Salcedo, Project Engineer

Ms. Wendy L. Cohen, P.E.
Senior Water Resources Control Engineer
Regional Water Quality Control Board
3443 Routier Road
Sacramento, CA 95827-3098

Mr. Joe Serna, Jr., Mayor
City of Sacramento
915 I Street, Room 205
Sacramento, CA 95814
Attn: Sally Hencken, Aide

Mr. Tom Finley, Division Manager
Department of Public Works
City of Sacramento
927 Tenth Street, Room 200
Sacramento, CA 95814

**DISTRIBUTION LIST: UNION PACIFIC RAILROAD YARD
 SACRAMENTO, CALIFORNIA
 PROJECT NUMBER 00173-080-044**

Mr. Robert Lee
Deputy Director Public Works
City of Sacramento
915 I Street, Room 207
Sacramento, CA 95814

Mr. Bob Thomas
Deputy City Manager
City of Sacramento
915 I Street, Room 101
Sacramento, CA 95814

Ms. Genevieve Shiroma
Sierra Curtis Neighborhood Association
2791 24th Street
Sacramento, CA 95818

Sacramento City College Library
Library Reference Desk
3835 Freeport Boulevard
Sacramento, CA 95822

City Clerk's Office
City of Sacramento
City Hall, Room 304
915 I Street
Sacramento, CA 95814

Belle Cooleage Library
5600 South Land Park Drive
Sacramento, CA 95822

Mr. Jeff Asay
Assistant General Solicitor
Union Pacific Railroad Company
5500 Ferguson Drive, Suite J
Los Angeles, CA 90022

Ms. Patricia Mendoza
City of Sacramento
Department of Planning & Development
1231 I Street, Room 300
Sacramento, CA 95814

DISTRIBUTION LIST: **UNION PACIFIC RAILROAD YARD**
SACRAMENTO, CALIFORNIA
PROJECT NUMBER 00173-080-044

Mr. Daniel P. Costa, Esq.
Diepenbrock & Costa
455 University Avenue, Suite 300
Sacramento, CA 95825

**INITIAL STUDY SPECIAL CHECKLIST FOR
UNION PACIFIC RAILROAD YARD
REMEDIAL ACTION PLAN
SACRAMENTO, CALIFORNIA**

This checklist has two purposes, to identify any reasonable possibility of "significant effect on the environment" as that term is used in Section 21068 of the Public Resources Code, and to identify "adverse effect, either individually or cumulatively, on wildlife" as that term is used in Sections 753.5 (c) and (d) of Title 14 of the California Code of Regulations, resulting from the implementation of remedial activities proposed in the Remedial Action Plan (RAP).

"Significant effect on the environment" (significant effect) means a substantial, or potentially substantial, adverse change in the environment.

"Adverse effect, either individually or cumulatively, on wildlife" means an adverse change of any type or degree, either individually or cumulatively, on any wild animals, birds, plants, fish, amphibians, and related ecological communities, including the habitat upon which the wildlife depends for its continued viability.

Unless otherwise indicated, all data, evidence, and studies cited are contained in the RAP.

1. Earth. Will the proposal result in:

Substantial or potentially
substantial adverse change

YES MAYBE NO

- | | | | |
|--------------------------|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | a. Unstable earth conditions or changes in geologic substructures? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | b. Disruptions, displacements, compaction or overcovering of the soil? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | c. Change in topography or groundsurface relief features? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | d. The destruction, covering or modification of any unique geologic or physical features? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | e. Any increase in wind or water erosion of soils, either on or off the site? |

- f. Changes in deposition or erosion of beach sands, or changes in siltation, deposition or erosion which may modify the channel of a river or stream or the bed of the ocean or any bay, inlet, or lake?
- g. Exposure of people or property to geologic hazards such as earthquakes, landslides, mudslides, ground failure, or similar hazards.

Any adverse change

Yes

No

- h. Changes to any riparian land or wetlands under state or federal jurisdiction?

- i. Changes to soil required to sustain habitat for fish and wildlife?

A Remedial Investigation has been performed for the Remedial Action Plan. Geological conditions were investigated by excavating pits with a backhoe and drilling into the subsurface. Soil samples were collected from over 470 locations on the site and over 1,300 soil sample analyses were performed. This investigation identified the characteristics of the surface and subsurface soil conditions and the level and extent of contamination and waste materials.

Unstable earth conditions or changes in geologic structures are not anticipated with the implementation of the RAP. The project site has a relatively low seismic and seismically-induced hazard potential, such as earthquakes, landslides, mudslides, and ground failure. The project will not result in the exposure of people or property to geologic hazards.

The project site is relatively level, with the exception of a northwest-southeast trending berm across the northern inactive portion of the site and a north-south trending berm along the western site boundary. Surface elevations range from approximately 12 feet above mean sea level, in the northern portion of the site, to 32 feet in the southern portion. No unique geologic or physical features have been identified on the project site.

Disruptions and displacements of the soil will occur as an integral part of the project. The impact is beneficial as soils contaminated with hazardous substances will be "cleaned-up." Certain contaminated soils will be excavated and disposed off-site in a licensed and permitted landfill. As needed, clean soil will be brought from off-site to restore the grade in excavated areas. The finished topography of the site after completion of the clean-up will be similar to existing topography.

Implementation of the RAP does increase the potential for wind erosion of soils. The impacts will be short-term in nature and occur during grading activities. During construction, especially

when contaminated soil is moved or otherwise disturbed, soil will be wetted to minimize the amount of airborne dust. Furthermore, an air quality monitoring program will be implemented during soil remediation. If unacceptable air quality impacts occur, measures to control emissions will be upgraded as necessary. Other measures may include the spreading of soil binders on exposed soil surfaces and re-establishing ground cover on inactive portions of the site. These measures along with the normal application of the City's grading ordinance should reduce the potential for erosion to a less than significant level.

There are no riparian land or wetlands under state or federal jurisdiction located on or adjacent to the project site. Since the burrowing owl observed on the site is situated in a previously disturbed area not identified for soil remediation, the changes to soil with the clean-up should not significantly impact wildlife habitat (please see the discussion under Animal Life).

2. Air. Will the proposal result in:

Substantial or potentially
substantial adverse change

YES MAYBE NO

- | | | | |
|--------------------------|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | a. Substantial air emissions or deterioration of ambient air quality? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | b. The creation of objectionable odors? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | c. Alteration of air movement, moisture, or temperature, or any change in climate, either locally or regionally? |

Any adverse change

Yes No

- | | | |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | d. Degradation of any air resources which will individually or cumulatively result in a loss of biological diversity among the plants and animals residing in that air? |
|--------------------------|-------------------------------------|---|

The project is located in the southern portion of the Sacramento Valley Air Basin (SVAB), within the Sacramento Metropolitan Air Quality management District (SMAQMD). The district is a nonattainment area, i.e. exceeds air quality standards, for three of six state and federal "criteria" air pollution standards, including ozone, carbon monoxide, and suspended particulates.

There are two potential sources of air contamination for this site: dust contaminated with metals or asbestos, and vapors from volatile organic soil contaminants. Contaminated dust from the site could become suspended in air. Two separate ambient air quality studies have been performed to determine if there are air quality impacts that might be caused by contaminants

present at the site. One was conducted in 1988. A second air quality study was conducted in July and August of 1992. Twenty-four hour air samples were collected at six stations over a 14-day period and wind speed and direction were monitored at an on-site meteorological station. A total of 159 air samples were tested. Based on the results of the 1992 study, air quality in the area does not appear to be impacted by dust, asbestos, arsenic, copper, or lead present in soil at the site.

The release of volatile organic compound vapors into air could occur at the site. A soil vapor study was conducted in the former Oil House Area and Central Fill Area of the inactive portion of the site. Soil vapors were extracted and analyzed. Low levels of volatile organic compounds were detected in certain samples, but the relatively low levels suggest the emissions would be less than significant. A Permit To Operate will be obtained from the SMAQMD which will address air emissions during soil remediation.

The implementation of the RAP may result in short-term localized construction impacts, due to fugitive dust generated as a result of excavation and grading, and exhaust emissions from equipment operation and employee vehicles. As noted in the Earth section above, soil will be wetted to minimize the amount of dust, when contaminated soil is moved or otherwise disturbed during construction. Other measures may include the spreading of soil binders on exposed soil surfaces, using load covers during the transport of materials, re-establishing ground cover on inactive portions of the site, and washing off vehicles and equipment leaving the site. Air monitoring will be conducted to assess the effectiveness of dust minimization measures. If necessary, further mitigation measures will be taken to reduce the dust emissions. An air monitoring report will be prepared at the conclusion of the remedial action activities.

Exhaust emissions from construction activities and employee vehicles will be minimal and shall be mitigated to a less than significant level by properly tuning and maintaining all equipment, scheduling deliveries and goods movements for off peak traffic hours, using low-sulfur fuel for equipment, configuring construction traffic to minimize traffic interferences, and providing adequate ingress and egress at construction areas to minimize vehicle idling.

The implementation of the RAP will not substantially degrade any air resource which will individually and cumulatively result in a loss of biological diversity among the plants and animals residing in that air.

3. Water. Will the proposal result in:

Substantial or potentially
substantial adverse change

YES MAYBE NO

- a. Change in currents, or the course of direction of water movements, in either marine or fresh waters?

- | | | | |
|--------------------------|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | b. Changes in absorption rates, drainage patterns, or the rate and amount of surface runoff? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | c. Alterations to the course or flow of flood waters? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | d. Change in the amount of surface water in any water body? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | e. Discharge into surface waters, or in any alteration of surface water quality, including but not limited to temperature, dissolved oxygen or turbidity? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | f. Alteration of the direction or rate of flow of groundwaters? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | g. Change in the quantity of groundwaters, either through direct additions or withdrawals, or through interception of an aquifer by cuts or excavations? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | h. Substantial reduction in the amount of water otherwise available for public water supplies? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | i. Exposure of people or property to water-related hazards such as flooding or tidal waves? |

Any adverse change

Yes

No

- j. Change to riparian land, rivers, streams, watercourses and wetlands under state and federal jurisdiction?

- k. Change to any water resources which will individually or cumulatively result in a loss of biological diversity among the plants and animals residing in that water?

The site is not located adjacent to or in close proximity to any water bodies (either marine or fresh water). In addition, there are no rivers, perennial streams or intermittent streams within or adjacent to the site (the Sacramento River is located approximately one mile to the west; the American River is located approximately three miles to the north). Changes in water currents, the direction of water movements or the amount of surface water in water bodies are therefore not expected.

Approximately 60 acres of site surface (including Soil Operable Units S-1, S-2, S-3) would be disturbed as a result of project implementation. Removal of vegetation, excavation of surface soils, and re-grading of excavated areas could potentially change absorption/run-off rates and drainage patterns. The changes, however, are not expected to be substantially adverse when

compared to the existing conditions of drainage patterns, inconsistent surface gradients and absorption capabilities.

The site is not located within a designated 100-year floodplain or floodway area; therefore no changes to courses or flows of floodwater are anticipated (FEMA Map). In addition, since the site is not within a floodway or floodplain, exposure of people or property to flooding or tidal waves as a result of the project is not anticipated.

Discharges into surface waters as a result of Soil Operable Unit excavations are not expected. Discharges associated with Groundwater Operable Units (GW-1 and GW-2) would be directed into a local 114" sewer main which connects with the County Wastewater Treatment Facility.

Localized alterations to the direction and rate of groundwater flows, as well as water quality, are expected with the implementation of groundwater pumping/treatment in Operable Units GW-1 and GW-2. No adverse effects are expected with these alternatives, however. Seven irrigation wells are located within a one mile radius of the site, and none are expected to be substantially adversely affected by treatment pumping. The nearest drinking water wells are located from two to five miles downgradient of the site, and would also not be affected by the treatment pumping. Substantial reduction in available groundwater for public water supplies is therefore not anticipated.

Excavation in the Soil Operable Units is not presently expected at depths greater than 15 feet below the surface. Since water table depths throughout the site have been calculated at 21 to 35 feet below the surface, no conflicts between groundwater and contaminated soil removal are expected. If deeper soil remediation is required, in-situ treatment technologies would be considered for implementation prior to reaching groundwater depths in order to avoid potential contamination conflicts.

Due to the lack of riparian land, rivers, streams, watercourses and wetlands under state and federal jurisdiction on or near the site, no changes to surface water resources (or the biological diversity associated with such resources) are anticipated.

4. Plant Life. Will the proposal result in:

Substantial or potentially
substantial adverse change

YES MAYBE NO

a. Change in the diversity of species, or number of any species of plants (including trees, shrubs, grass, crops, and aquatic plants)?

b. Reduction of the numbers of any unique, rare or endangered species of plants?

- c. Introduction of new species of plants into an area, or in a barrier to the normal replenishment of existing species?
- d. Reduction in acreage of any agricultural crop?
- e. Deterioration of existing plant habitat?

Any adverse change

- | <u>Yes</u> | <u>No</u> | |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | f. Any adverse effect to native and non-native plant life? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | g. Effects to rare and unique plant life and ecological communities dependent on plant life? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | h. Any adverse effect to listed threatened and endangered plants? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | i. Effects on habitat in which listed threatened and endangered plants are believed to reside? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | j. Effects on species of plants listed as protected or identified for special management in the Fish and Game Code, the Public Resources Code, the Water Code, or regulations adopted thereunder? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | k. Effects on marine and terrestrial plant species subject to the jurisdiction of the Department of Fish and Game and the ecological communities in which they reside? |

An investigation of biological resources was conducted through general observations of the site during site visits and information obtained from the California Natural Diversity Database (CNDBB, California Department of Fish and Game, 1991 and 1993) and the California Wildlife Habitat Relationships Database (WHR, California Department of Fish and game, 1989).

The site is situated in an urban residential area where potential habitats are limited. The majority of the project site is disturbed with relatively little value for vegetative habitat. Vegetation is generally limited to mixed grasses, forbes, and a variety of weedy species along the eastern and northern boundaries and in the northeast corner of the site. Implementation of the RAP may introduce new weedy species into the area, however it is not considered a significant adverse impact. No rare or endangered plant species were observed or are known to exist on the project site.

The City of Sacramento adopted Ordinance 93-066 on November 30, 1993. This ordinance provides procedures for the removal of "heritage" trees. There are thirteen Valley oaks (*Quercus lobata*) located on or inside the subject property's northern and northeastern

boundaries, and six oaks in the alley behind Portola Way whose drip line is on UPRR property, that qualify as heritage trees (circumference of 36 inches or greater when a single trunk, or a cumulative circumference of 36 inches or greater when a multi-trunk). Valley oaks are also on the California Native Plant Society (CNPS) watch list for species to determine their future legal status. Wherever possible, proper fencing will be provided to avoid disturbance of these oaks and their drip line area. However, implementation of the RAP may necessitate removal or disturbance of certain oaks. If this is necessary, a permit shall be obtained from the City in accordance with Ordinance 93-066. Permit conditions prescribed by the Sacramento Director of the Department of Neighborhood Services shall be adhered to. This should reduce the impact to a less than significant level.

There is no agricultural acreage on or near the site, nor are new species or barriers to the replenishment of existing species likely to be introduced. A food chain analysis conducted because of the potential for transfer of contaminants determined that, due to the absence of suitable habitat at and in the vicinity of the site, it is not likely that plants will be significantly impacted by contaminants found on the site.

5. Animal Life. Will the proposal result in:

Substantial or potentially
substantial adverse change

YES MAYBE NO

a. Change in the diversity of species, or numbers of any species of animals (birds, land animals including reptiles, fish and shellfish, benthic organisms or insects)?

b. Reduction of the numbers of any unique, rare or endangered species of animals?

c. Introduction of new species of animals into an area, or result in a barrier to the migration or movement of animals?

d. Deterioration to existing fish or wildlife habitat?

Any adverse change

Yes

No

e. Effects on listed threatened or endangered animals?

f. Effects on habitat in which listed threatened and endangered animals are believed to reside?

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | g. Effects on species of animals listed as protected or identified for special management in the Fish and Game Code, the Public Resources Code, the Water Code, or regulations adopted thereunder? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | h. Effects on marine and terrestrial animal species subject to the jurisdiction of the Department of Fish and Game and the ecological communities in which they reside? |

An investigation of biological resources was conducted through general observations of the site during site visits and information obtained from the California Natural Diversity Database (CNDBB, California Department of Fish and Game, 1991 and 1993) and the California Wildlife Habitat Relationships Database (WHR, California Department of Fish and game, 1989).

Due to site disturbance, sparse cover, and limited varieties of plant species, the site constitutes poor quality animal habitat. No rare or endangered species were observed or are known to inhabit or utilize the site.

Burrowing owls are considered a Species of Concern by the California Department of Fish and Game with special concern over breeding habitat (burrows). A burrowing owl was observed in the southwest portion of the site, in a previously disturbed area of generally poor habitat. No active burrows were discovered, although the owl was observed to use debris piles in this area as cover. There are no clean-up or soil remediation activities planned in this area. At the time of future development, construction and related activities are likely to occur. Recommended Burrowing Owl Survey and Mitigation Guidelines have been published by the California Burrowing Owl Consortium (April 1993). A nesting season survey should be conducted between April 15 and July 15. The impacts to burrowing owls can be reduced to a less than significant level by avoiding disturbance within 50 meters of the area apparently utilized by the owl, and within 75 meters of occupied burrows during the breeding season. This would necessitate the location of truck and equipment access, during clean-up activities, to be situated an appropriate distance from the area of owl activity. Prior to any future development of the area where burrowing owls have been observed, appropriate new surveys should be conducted and mitigation measures developed.

A food chain analysis conducted because of the potential for transfer of contaminants determined that, due to the absence of suitable habitat at and in the vicinity of the site, it is not likely that animals will be significantly impacted by contaminants found on the site.

6. Land Use. Will the proposal result in:

Substantial or potentially
substantial adverse change

YES MAYBE NO

- a. A substantial alteration of the present or planned land use of an area?

Current land uses on the project site include the approximately 31 acre active yard. This includes the Yard Office, the only structure on-site, and a railroad switching yard with activities such as assembling trains, off-loading rail cars, and train passage along the main line. The inactive eastern portion of the site (approximately 63 acres) is fenced and unoccupied.

The project site is situated in an urbanized area of Sacramento. It has a Heavy Industrial zoning designation. Surrounding land uses include residential neighborhoods adjacent to the north, northwest, and west boundaries of the subject property. Along the eastern border are residential and light industrial properties (U.S. Cold Storage) and Hughes Stadium (Sacramento City College). South of the site are commercial properties and residential areas. State Highway 99 is approximately one-half mile to the east and Interstate 80 Business Route freeway is approximately one mile to the north.

There are no plans to change the heavy industrial land use on the active portion of the site.

Future land use on the inactive portion of the project site is partially dependent on the degree of risk reduction achieved through remediation of soil and groundwater. No formalized land use designations or redevelopment strategies have been approved for this portion of the site. The future land uses will be determined in accordance with the land use policies of the City of Sacramento. The Sacramento City Council appointed the Union Pacific Land Use Committee (UPLUC), which includes twelve local residents, to prepare land use recommendations. The UPLUC's recommendations have been endorsed by City Council Resolution 92-555. Potential future land uses identified by the UPLUC include residential, open space and recreational, commercial, schools, and light rail. Following meetings with the City and the UPRR, the California Department of Toxic Substances Control (DTSC) recommended that future land uses be broken into two general categories: restricted (mixed use, non-residential, recreational, community center, town square, and infrastructure) and unrestricted (any type of land use including uses allowed in the restricted area, as well as residential, schools, open space, and bike/pedestrian pathways. A copy of a generalized map prepared by DTSC is contained in the RAP.

Implementation of the RAP will have a beneficial effect on future land use by allowing use of the property without endangering public health and safety. All land use decisions by the Sacramento City Council will be subject to CEQA review.

7. Natural Resources. Will the proposal result in:

Substantial or potentially
substantial adverse change

YES MAYBE NO

- a. Increase in the rate of use of any natural resources?

Implementation of the RAP will require an irrevocable use of materials in soil and groundwater remediation and clean-up. Common materials will be utilized and no rare or potentially sensitive resources will be required. Consumption of materials is considered a less than significant impact on natural resources.

8. Risk of Upset. Will the proposal involve:

Substantial or potentially
substantial adverse change

YES MAYBE NO

- a. A risk of an explosion or the release of hazardous substances (including, but not limited to, oil, pesticides, chemicals, or radiation) in the event of an accident or upset conditions?
- b. Possible interference with an emergency plan or an evacuation plan?

A Health and Safety Program will be developed for sitewide remediation. The Program will include a hazardous materials transportation plan which will address potential risks. All applicable local, state, and federal rules and regulations will be adhered to. The proposed project will not interfere with community emergency or evacuation plans.

9. Transportation/Circulation. Will the proposal result in?

Substantial or potentially
substantial adverse change

YES MAYBE NO

- a. Generation of substantial additional vehicular movement?
- b. Effects on existing parking facilities, or demand for new parking?

- | | | | |
|--------------------------|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | c. Substantial impact upon existing transportation systems? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | d. Alterations to present patterns or circulation or movement of people and/or goods? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | e. Alterations to waterborne, rail or air traffic? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | f. Increase in traffic hazards to motor vehicles, bicyclists or pedestrians? |

Implementation of the RAP will generate transportation activities including construction equipment traffic and transportation of excavated materials and clean fill by truck and/or rail. The traffic generated is anticipated to be less than significant. Vehicle and equipment traffic will be primarily restricted to non-peak traffic hours. The site has close access to both State Highway 99, approximately one-half mile to the east, and Interstate 80, approximately one mile to the north. The project will not alter present patterns of circulation or movement of people and/or goods. There are no expected increases in traffic hazards. The rail system is designed for the type of transport activities planned and all local, state, and federal rules and regulations will be adhered to.

10. Public Services.

Will the proposal have an effect upon, or result in, a need for new or altered governmental services in any of the following areas:

Substantial or potentially substantial adverse change

YES MAYBE NO

- | | | | |
|--------------------------|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | a. Fire protection? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | b. Police protection? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | c. Schools? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | d. Parks or other recreational facilities? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | e. Maintenance of public facilities, including roads? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | f. Other governmental services? |

Implementation of the RAP will have no direct effect on public services. However, potential development of the property after clean-up could possibly impact services. As discussed under Land Use, the type and intensity of future land use development on the site will be determined in accordance with the land use policies of the City of Sacramento. All land use decisions by

the Sacramento City Council will be subject to CEQA review. A complete evaluation of the impacts on public services should be conducted at that time.

11. Energy. Will the proposal result in:

Substantial or potentially
substantial adverse change

YES MAYBE NO

a. Use of substantial amounts of fuel or energy?

b. Substantial increase in demand upon existing sources of energy,
or require the development of new sources of energy?

No significant energy impacts will result from implementation of the RAP. The RAP does not involve the construction of facilities that would require the construction or operation of new, non-renewable sources of energy. The relatively small use of fossil fuel during clean-up operations is considered a less than significant impact.

12. Utilities. Will the proposal result in:

Substantial or potentially
substantial adverse change

YES MAYBE NO

a. A need for new systems, or substantial alterations to any utilities?

Implementation of the proposed RAP will not contribute towards a need for new utility systems or require alterations to any existing systems. However, potential development of the property after clean-up could possibly impact utility services. As discussed under Land Use, the type and intensity of future land use development on the site will be determined in accordance with the land use policies of the City of Sacramento. All land use decisions by the Sacramento City Council will be subject to CEQA review. A complete evaluation of the impacts on utility services should be conducted at that time.

13. Human Health. Will the proposal result in:

Substantial or potentially
substantial adverse change

YES MAYBE NO

a. Creation of any health hazard or potential health hazard
(excluding mental health)?

b. Exposure of people to potential health hazards?

A Health Risk Assessment was conducted to study both the potential carcinogenic (cancer causing) and non-carcinogenic (non cancer-causing) risks to the public from exposure to contaminants at the site under current conditions. It used conservative assumptions to predict the potential for adverse health effects on people living adjacent to the site, trespassers, and potential future on-site residents. The Remedial Action Objectives, contained within the RAP, were developed for each contaminant of concern as identified in the Health Risk Assessment. Implementation of the RAP will have a beneficial effect on human health by reducing the potential health hazards at and from the project site. Construction measures and methods will be used that minimize health risks. All applicable local, state, and federal rules and regulations will be followed in the handling and disposal of hazardous waste and materials. Potential future land uses are based on any remaining health hazards.

WI?

DAMES & MOORE
WORD PROCESSING REQUEST FORM

Author: <u>Olson</u>	Return to: <u>Olson</u>	Special Instructions:	Job No: <u>00173-080-044</u>
<input checked="" type="checkbox"/> Rush — Date & Time: <u>noon</u>	<input type="checkbox"/> Routine	<input type="checkbox"/> Whenever	Client: <u>UPRR</u>
Place on Calendar (for larger projects)? <input type="checkbox"/> Yes Date/Time frame:			Job Name: <u>UPSAE</u>

<p style="text-align: center;">File Transfer via VAX Public Directory</p> <p>Send file name(s) _____</p> <p>Notify: _____ of _____ office, at phone _____</p> <p>Pull file name(s): _____</p>	<p style="text-align: center;">Miscellaneous Options (see below for notes and defaults)</p> <p><input type="checkbox"/> Do not incorporate my file(s) into your system/backup</p> <p><input type="checkbox"/> Don't print <input type="checkbox"/> Edit</p> <p><input type="checkbox"/> Be creative <input type="checkbox"/> Proof</p> <p><input type="checkbox"/> Fixed date <input type="checkbox"/> Overhead transparencies</p> <p><input type="checkbox"/> Other: _____</p>
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DATE IN	TIME IN	NEW INSTRUCTIONS (E.G., FINAL, DOUBLE SPACE)	OPERATOR	FILE NAME	DATE OUT	TIME OUT
<u>1/10/94</u>	<u>10:00</u>	<u>Minor Edits +</u>		<u>NC</u>		
		<u>Make title page:</u>				
		<u>CEQA Initial Study Checklist</u>				
		<u>Remedial Action Plan</u>				
		<u>Union Pacific Railroad Yard</u>				
		<u>Sacramento, California</u>				
		<u>January 1994</u>				
		<u>00173-080-044</u>				

NOTES:

Edit: (Time permitting) Check for consistency, grammar, redundancies, etc.

Proof: This — and editing — may add considerable time (i.e., \$\$) to our effort.

Date: A date "code" will change automatically each time the file is edited or printed, based on your computer's internal "clock." If you need a certain date that will *not* change, check "Fixed date".

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