FUEL LEAK CASE FORM

Enter Date ____ / ____ / ____
Review Date _10_ / _22_ / _90_
Date of Last Corr. _04_ / _02_ / _90_
Report Date _04_ / _02_ / _90_

Review Status _C_
Evaluator _MR_
Sitename _BART MAINT. FACILITY_
Street Number _5TH & 8TH AVE._
Street _____
City _OAKLAND_
Zip _____
County _01_
Local Agency _01000_
MOPNO _____
Primary Substance _12035_
Secondary Substance _____

Max. Soil Conc. (ppm) _____
Max G.W. Impact (ppb) _____

Case Type   S   G   D   (U)
Groundwater Depth _____

Priority _B3_
Rank _____
Status _O_
Date 3A ____ / ____ / ____
Date 3B ____ / ____ / ____
Date 5C ____ / ____ / ____
Date 5R ____ / ____ / ____
Date 7 ____ / ____ / ____
Date 8 ____ / ____ / ____
Date 9 ____ / ____ / ____

Interim   Y   (N)
Interim Date ____ / ____ / ____
Abate Method _NT_

Lead Agency   L   R   LI   (RI)
UGT   (Y)   N
Division _UST_
Enforce Type   (0)   1   2   3
Enforce Date ____ / ____ / ____
RP Search   S   I   R   N

Comment (80 Characters)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

April 2, 1990

Mr. Chuck Marin
BART East Oakland Maintenance Facility
Fifth Street and 8th Avenue
Oakland, CA

BART Maint. Facility
5th st d
8th Ave

Re: Work Plan For Contaminated Soil Remediation

Dear Mr. Marin:

The Alameda County Environmental Health Department, Hazardous
Materials Division has completed their review of the Work Plan
submitted by Subsurface Consultants for the site shown above. Based
on this review, the Division accepts your general approach to soil
remediation, and groundwater evaluation. Specific comments on the
plan follow.

Contaminated soil related to the waste oil excavation can be disposed
of at a Class 1, 2 or 3 landfill provided the soil is properly
characterized, is within the waste limits set for the Class 2 or 3
facility, and is acceptable to the Regional Water Quality Control
Board (RWQCB). Soils moved under manifest must be handled by a state
licensed hazardous waste hauler.

Soils impacted by the leaking underground fuel tanks can be aerated
on site to below 100 ppm for TVH with the concurrence of the Bay Area
Air Quality Management District (BAAQMD). Aerated soils with less
than 100 ppm for TPH can be disposed of at a Class 3 facility.
Movement of contaminated soils with TPH concentrations of 100 to 10
ppm to a different BART facility for temporary storage constitutes
disposal at a non permitted facility, and as such will require a
Report of Waste Discharge (WDR) pursuant to Section 13260(a) of the
California Water Code. The SFRWQCB can waive WDR provided site
specific conditions allow it, and the disposal is consistent with
Subchapter 15 requirements. Remediated soils with TPH concentrations
of less than 10 ppm can, provided the stockpile is less than 240
cubic yards, either be reused onsite or moved to a different BART
facility without applying for a WDR.

Confirmation sampling for reuse of the aerated/remediated soils
should occur at the rate of one discrete sample for every 20 cubic
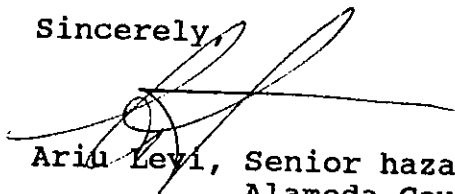yards of soil. Sample analysis of soils deemed "clean" by FID

evaluation during excavation must, if reuse is intended, also be discrete sampled at the rate of one per 20 cubic yards. Sampling requirements for soils destined for disposal at a Class 3 facility are less stringent, and one composite sample for every 50 cubic yards is in general sufficient. Proper disposition of all soils must be supported by sample analysis by a state certified lab.

The proposed first step toward evaluating impact to ground water by the leaking UGT(s) appears to meet the initial requirements of RWQCB guidance documents. Additional requirements may be requested pending the results of this first round of work. Sampling frequency should adhere to the recommended schedule listed in an earlier letter from the Division.

Should you have any questions concerning the contents of this letter please feel free to contact me.

Sincerely,

Ariu Levi, Senior hazardous Materials Specialist
Alameda County Environmental Health Department

cc: Gil Jensen, Alameda County District Attorney's Office,
            Consumer and Environmental Protection
    Rafat Shahid, Assistant Agency Director
    Edgar Howell, Chief of Hazardous Materials Division
    Lester Feldman, SFRWQCB
    Howard Hatayama, DOHS
    Bill Wikander, SSC
    Files

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