AGENCY





ENVIRONMENTAL HEALTH SERVICES

ENVIRONMENTAL PROTECTION 1131 Harbor Bay Parkway, Suite 250

Alameda, CA 94502-6577

(510) 567-6700 FAX (510) 337-9335

DAVID J. KEARS, Agency Director

RO0000197

October 14, 2002

Ms. Anne Conner PG&E - Environmental Support and Services P.O. Box 7640 San Francisco, CA 94120

RE: Former PG&E Oakland Power Plant at 50 MLK Jr Way, Oakland, CA

Dear Ms. Conner:

The proposal to collect a confirmation soil and groundwater sample immediately adjacent to the location of a 1992 borehole (GWS-2B) as outlined in your August 26, 2002 letter is acceptable. Upon review of the data from this investigation, we can meet to discuss the next phase of investigations required to move this case to closure.

Field work should commence within 45 days of the date of this letter, or by December 2, 2002. Please provide at least 72 hours advance notice of field activities. If you have any questions, I can be reached at (510) 567-6762.

eva chu

Hazardous Materials Specialist

c: Luis Medina, Duke Energy of North America, 50 MLK Jr Way, Oakland, CA 94607

AGENCY



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ENVIRONMENTAL PROTECTION 1131 Harbor Bay Parkway, Suite 250

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ENVIRONMENTAL HEALTH SERVICES

DAVID J. KEARS, Agency Director

RO0000197

October 14, 2002

Ms. Anne Conner PG&E - Environmental Support and Services P.O. Box 6740 San Francisco, CA 94120

RE: Former PG&E Oakland Power Plant at 50 MLK Jr Way, Oakland, CA

Dear Ms. Conner:

The proposal to collect a confirmation soil and groundwater sample immediately adjacent to the location of a 1992 borehole (GWS-2B) as outlined in your August 26, 2002 letter is acceptable. Upon review of the data from this investigation, we can meet to discuss the next phase of investigations required to move this case to closure.

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eva chu

Hazardous Materials Specialist

c: Luis Medina, Duke Energy of North America, 50 MLK Jr Way, Oakland, CA 94607

AGENCY



06-05-02

DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES

ENVIRONMENTAL PROTECTION 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700 FAX (510) 337-9335

RO0000197

June 4, 2002

Mr. Korbin Creek PG & E 3400 Crow Canyon Road San Ramon, CA 94583

RE: Former PG&E Oakland Power Plant at 50 MLK Jr Way, Oakland, CA

Dear Mr. Creek:

I completed review of the case file for the above referenced site to determine if site closure can be recommended at this time. Missing from the file is documentation of any disposal of petroleum hydrocarbon impacted soil resulting from the removal of three diesel dump tanks in 1991. Also, it appears that the groundwater plume has not been delineated to the east, in particular by borehole GWS-2B, located near the diesel dump tank #2. A grab groundwater sample collected from this borehole in October 1992, contained up to 160,000ppb TPH as diesel.

At this time, please submit a workplan for the delineation of the diesel plume to the east of borehole GWS-2B. Also include documentation of any soil disposal resulting from the tank removal. The workplan is due within 90 days of the date of this letter, or by September 9, 2002.

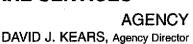
If you have any questions, I can be reached at (510) 567-6762.

eva chu

Hazardous Materials Specialist

P.S. Please provide current property owner's name, address, and contact number. Thanks.

PG&E-1





January 11, 1996

STID 64

ALAMEDA COUNTY CC4580 ENVIRONMENTAL HEALTH SERVICES 1131 HARBOR BAY PKWY., #250 ALAMEDA CA 94502-6577

RO# 197

Attn: Gregg L. Lemler PG&E San Francisco Bay Power Plants 1000 Evans Ave. San Francisco CA 94124

Oakland Power Plant, 50 Martin Luther King Way, Oakland CA 94607 RE.

Dear Mr. Lemler,

Since my last letter to you, dated 7/6/95, the following documents have been received in this office:

- "Groundwater Monitoring and Sampling Report, Third Quarter 1995" prepared by Alisto, 1) dated July 20, 1995
- "Groundwater Monitoring and Sampling Report," prepared by EMCON, dated October 2)

Thank you for tabulating the actual TPH-diesel range concentrations. The latest report indicates that BTEX has been ND in well MW-2-3 for the last four consecutive quarters. Therefore, your request to delete BTEX is acceptable. In addition, the sampling frequency may be reduced, due to the relatively low concentrations of TPH-diesel. Annual sampling would be acceptable, provided it is conducted in the first quarter of each year, to account for the seasonally high water table.

If you have any questions, please contact me at 510-567-6700, ext 6761.

Sincerely

Jennifer Eberle

Hazardous Materials Specialist

J.C. Isham, EMCON, 1433 N. Market Blvd., Sacramento CA 95834 CC: Acting Chief/file

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DAVID J. KEARS, Agency Director

R0197

RAFAT A. SHAHID, DIRECTOR

July 6, 1995 STID 64

Attn: Gregg L. Lemler
PG&E
San Francisco Bay Power Plants
1000 Evans Ave.
San Francisco CA 94124

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700

RE: Oakland Power Plant, 50 Martin Luther King Way, Oakland CA 94607

Dear Mr. Lemler,

Since my last letter to your office (attn: Jack Fusco) dated 8/1/94, the following documents have been received in this office:

- 1) "Groundwater Monitoring and Sampling Report," prepared by Alisto, dated July 1994
- 2) "Groundwater Monitoring and Sampling Report," prepared by Alisto, dated October 1994
- 3) "Groundwater Monitoring and Sampling Report," prepared by Alisto, dated January 1995
- 4) letter to Edgar Howell of this office, from yourself, dated 2/14/95
- 5) "Groundwater Monitoring and Sampling Report, Second Quarter 1994," prepared by Alisto, dated April 1995

The last two quarterly reports indicate that concentrations in the TPH-diesel range were detected in all three wells. It would be helpful to indicate the actual concentrations in the tabulated data, as has been done in previous quarterly reports. You are therefore requested to include the actual concentrations in the tabulated data in future reports; this data will presumably be footnoted. Please include the concentrations for the past 2 quarters.

If you have any questions, please contact me at 510-567-6700, ext 6761.

Sincerely

Jennifer Eberle

Hazardous Materials Specialist

cc: Brady Nagle, Alisto, 1777 Oakland Blvd, Suite 200, Walnut Creek CA Jun Makishima/file

je.64-A

DAVID J. KEARS, Agency Director

R0197

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH

August 1, 1994 STID 64

Jack Fusco Pacific Gas & Electric Co. 1000 Evans Ave. San Francisco CA 94124 ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY **DEPARTMENT OF ENVIRONMENTAL HEALTH** 1131 HARBOR BAY PARKWAY, 2ND FLOOR ALAMEDA, CA 94502-6577

RE: Oakland Power Plant, 50 Martin Luther King Way, Oakland 94607

Dear Mr. Fusco,

I am in receipt of your letter dated 7/8/94, which summarizes the main points made during the meeting held on 6/16/94 with representatives from your office.

The points made in this letter are consistent with my notes from the meeting.

Copies of correspondence and reports no longer need be sent to the Regional Water Quality Control Board (RWQCB), except for closure documents. Their files are being phased out.

PLEASE NOTE THAT OUR NEW ADDRESS IS 1131 HARBOR BAY PARKWAY, 2nd FLOOR, ALAMEDA CA 94502-6577. If you have any questions, please contact me at 510-567-6700, This is our new permanent phone number; our new fax number is 510-337-9335.

Sincerely,

Jennifer Eberle

Hazardous Materials Specialist

cc: Gary Nulty, Technical and Ecological Services, 3400 Crow
Canyon Rd., San Ramon CA 94583

Canyon Rd., San Ramon CA 94583

Brady Nagle, Alisto, 1777 Oakland Blvd., Suite 200, Walnut Creek CA

Ed Howell/file

je 64

DAVID J. KEARS, Agency Director

R0197

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

April 23, 1993 STID 64

Jack Fusco Pacific Gas & Electric Co. 1000 Evans Ave. San Francisco CA 94124

RE:

Oakland Power Plant 50 Martin Luther King Way Oakland CA 94607

Dear Mr. Fusco,

Thank you for the "Work Plan for Additional Groundwater Assessment Surrounding the Diesel Dump Tanks," prepared by Technical and Ecological Services (TES), dated April 1993. This workplan involves the installation of three permanent groundwater monitoring wells in a triangular configuration. This will enable us to document groundwater flow direction. In addition, several additional borings will be installed for the purpose of delineating the lateral extent of groundwater contamination. Groundwater will be analyzed for TPH-d and BTEX.

This workplan is acceptable for implementation; the implementation schedule on page 15 should be followed. If you have any questions, please contact me at 510-271-4530.

Sincerely,

Jennifer Eberle

Hazardous Materials Specialist

cc:

Gary Nulty, Technical and Ecological Services, 3400 Crow Canyon Rd., San Ramon CA 94583 Rich Hiett, RWQCB Ed Howell/file

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH

State Water Resources Control Board

Division of Clean Water Programs

UST Local Oversight Program 80 Swan Way, Rm 200

DAVID J. KEARS, Agency Director

March 17, 1993 STID 64

Jack Fusco PG&E Company 1000 Evans Ave. San Francisco CA 94124 Attn: Rex Bell

RE:

Oakland Power Plant

50 Martin Luther King Way

Oakland CA 94607

Dear Mr. Bell,

During recent telephone conversations between myself, yourself, and Gary Nulty of Technical and Ecological Services (TES), the ongoing groundwater investigation was discussed. Queries were raised regarding the use of existing 1" diameter monitoring wells for sampling purposes. These 1" wells have boreholes of 2" diameters. According to the California Well Standards, Bulletin 74-90 (page 20), a minimum 2" annular seal is required between the casing and the borehole. Therefore, the existing 1" wells may not be utilized for sampling or monitoring. However, the 1" wells may be retrofitted into 2" monitoring wells.

This being the case, we request a workplan for the installation (or retrofitting) of proper monitoring wells to delineate the extent of the groundwater contaminant plume. Please submit this workplan by April 9, 1993, which is the date agreed to during a telephone conversation between myself and Gary Nulty on 3/5/93. The remediation workplan previously requested by letter dated 2/11/93 will be postponed until the contaminant plume is defined.

All work should adhere to a) the Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, dated 8/10/90; b) the State Water Resources Control Board LUFT Field Manual; and c) Article 11 of Title 23, California Code of Regulations. Reports and proposals must be submitted under seal of a California-Registered Geologist, -Certified Engineering Geologist, or -Registered Civil Engineer. All reports and documents pertaining to this investigation should also be sent to:

Rich Hiett San Francisco Bay Region Regional Water Quality Control Board 2101 Webster St., Suite 500 Oakland CA 94612 R0197

Oakland, CA 94621

(510) 271-4530

Jack Fusco STID 64 March 17, 1993 page 2 of 2

We are in receipt of legible copies of hazardous waste manifests for the disposal of investigation-derived wastes. These manifests were sent under cover letter from Kim Sloat, dated 2/24/93.

If you have any questions, please contact me at 510-271-4530.

Sincerely,

Jennifer Eberle

Hazardous Materials Specialist

cc: Gary Nulty, Technical and Ecological Services, 3400 Crow

Canyon Rd., San Ramon CA 94583

Rich Hiett, RWQCB Ed Howell/File

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R0197

PAFAT A. SHAHID, ASST. AGENCY DIRECTOR
DEPARTMENT OF ENVIRONMENTAL HEALTH

DAVID J. KEARS, Agency Director

February 11, 1993 STID 64

Kim Sloat PG&E Company 1000 Evans Av. San Francisco CA 94124 Attn: Rex Bell

RE:

Oakland Power Plant

50 Martin Luther King Way

Oakland CA 94607

Dear Mr. Bell,

We are in receipt of the completed Unauthorized Leak Report for the above referenced site, signed by Kim Sloat of your company.

We are also in receipt of the "Shallow Soil and Groundwater Investigation Surrounding the Diesel Dump Tanks," prepared by Technical and Ecological Services, dated January 1993. This report documents the findings from the recent site investigation. As you are probably aware, TPH as diesel was found in soils in concentrations as high as 4,100 ppm (sample GWS-3AS), and in groundwater in concentrations as high as 160,000 ppb (sample GWS-2B). Appendix B of this report contained copies of two manifests for investigation-derived wastes. There was a section which included the manifest number, which was blacked out on these two copies. Please resubmit legible manifest copies within 20 days or by March 3, 1993.

Due to the significant concentrations of TPH as diesel in the subsurface, we request that you submit a remediation workplan within 45 days or by March 26, 1993.

All work should adhere to a) the Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, dated 8/10/90; b) the State WAter Resources Control Board LUFT Field Manual; and c) Article 11 of Title 23, California Code of Regulations. Reports and proposals must be submitted under seal of a California-Registered Geologist, -Certified Engineering Geologist, or -Registered Civil Engineer. All reports and documents pertaining to this investigation should also be sent to:

Rich Hiett San Francisco Bay Region Regional Water Quality Control Board 2101 Webster St., Ste 500 Oakland CA 94612 State Water Resources Control Board Division of Clean Water Programs UST Local Oversight Program 80 Swan Way, Rm 200 Oakland, CA 94621 (510) 271-4530 Rex Bell STID 64 February 11, 1993 page 2 of 2

If you have any questions, please contact me at 510-271-4530.

Sincerely,

Jennifer Eberle

Hazardous Materials Specialist

cc: Gary Nulty, Pacific Gas & Electric Co., Technical and Ecological Services, 3400 Crow Canyon Rd., San Ramon CA

94583

Rich Hiett, RWQCB Ed Howell/File

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DAVID J. KEARS, Agency Director

R0197

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR DEPARTMENT OF ENVIRONMENTAL HEALTH

State Water Resources Control Board

Division of Clean Water Programs
UST Local Oversight Program

80 Swan Way, Rm 200 Oakland, CA 94621

(510) 271-4530

September 2, 1992

STID 64

Kim Sloat
PG&E Company
1000 Evans Av.
San Francisco CA 94124
Attn: Rex Bell

RE: Oakland Power Plant

50 Martin Luther King Way

Oakland CA 94607

Dear Mr. Bell,

We have received and reviewed the "Work Plan for Soil and Shallow Groundwater Investigation Surrounding the Diesel Dump Tanks" for the above referenced site, prepared by your Technical and Ecological Services Division, dated 8/26/92. This work plan was submitted under cover letter from Plant Manager Kim Sloat, along with copies of hazardous waste manifests for the disposal of a total of 77 cubic yards of soil.

As you are aware, the work plan proposes shallow soil and groundwater sampling in the vicinity of diesel dump tanks #2 and #3. This will help determine the lateral extent of contaminants in soil, and the lateral extent (and presence or absence of) contaminants in groundwater using a 2-inch hydraulic punch. We hereby approve this workplan for implementation according to your proposed schedule on page 16. Please notify J. Eberle of this office 2 business days ahead of scheduled borings and sampling.

Our file for this site is lacking an Unauthorized Leak Report (ULR). Please fill it out completely and return to us within 5 days of receipt of this letter. I have enclosed a ULR form for your convenience. If you have any questions, please contact J. Eberle at 510-271-4320.

Sincerely,

Susan Hugo

Senior Hazardous Materials Specialist

cc: Rich Hiett, RWQCB

File

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State Water Respected Control Board
Division of Clean Water Programs
UST Local Oversight Program

R0197

RAFAT A. SHAHID, Assistant Agency Director

AGENCY DAVID J. KEARS, Agency Director

July 17, 1992

STID 64

Kim Sloat PG&E Company 1000 Evans Av. San Francisco CA 94124 Attn: Rex Bell

RE: Oakland Power Plant
50 Martin Luther King Way
Oakland CA 94607

Dear Mr. Bell,

DEPARTMENT OF ENVIRONMENTAL HEALTH Hazardous Materials Division 80 Swan Way, Rm. 200 Oakland, CA 94621 (510) 271-4320

We are in receipt of the report on confirmation soil sampling for the above referenced site, prepared by your Technical and Ecological Services division, dated June 1992, under cover letter from Kim Sloat, dated 7/1/92. Allow us to clarify the first paragraph on page one of this report. Alameda County did not request PG&E to conduct soil sampling. We approved the proposal by Valerie Gill of PG&E on 5/4/92, as per our letter dated 5/4/92 to Ms. Gill.

As you know, soil borings were completed in the vicinity of diesel dump tanks #2 and #3, and samples were collected on 6/3/92. Results indicate up to 3,800 ppm TPH-diesel in the vicinity of tank #2, and up to 2,900 ppm TPH-diesel in the vicinity of tank #3.

The cover letter dated 7/1/92 states that "we do not believe that the remaining levels of diesel in the soil present a significant threat to human health or the environment. For these reasons, PG&E requests that this project be considered complete." This letter was signed by Kim Sloat, the Plant Manager.

We do not concur with this conclusion. Since significant levels of contamination remain in the soil, we request a proposal to define the lateral and vertical extent of the soil contamination. We understand your concern that further soil excavation is not feasible. Subsequently, we request an alternative plan for soil remediation. Saturated soil was encountered at 7' below ground surface. It is likely that groundwater is present near this depth. For this reason, and also due to the significant levels of soil contamination, a groundwater investigation is required.

Therefore, we request that you submit a Work Plan for a subsurface investigation, including soil borings and groundwater monitoring wells, and a schedule for implementation, within 45 days or by September 1, 1992.

Rex Bell STID 64 Page 2 of 2 July 17, 1992

All reports and proposals must be submitted under seal of a California-Registered Geologist, -Certified Engineering Geologist, or -Registered Civil Engineer. All proposals, reports, and analytical results pertaining to this investigation and remediation must be sent both to our office and to:

Rich Hiett RWQCB, San Francisco Bay Region 2101 Webster St., Suite 500 Oakland CA 94612

All work must be performed according to the Leaking Underground Fuel Tank Field Manual, (LUFT Manual), revised 10/89, and the Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Storage Tank Sites, revised 8/10/90, as summarized in Appendix A.

Copies of these documents can be obtained from the SFRWQCB data management group at 510-464-1269.

During a telephone conversation on 7/17/92 between yourself and Ms. Eberle of our office, you indicated that Quamm, Inc. was the primary contractor for the tank removals. You indicated that Quamm, Inc. subcontracted out to Robert Gils Associates (RGA) to provide technical assistance. Hence, RGA wrote the "Tank Removal" report, undated, but received in our office 12/5/91. You also indicated that Stamco transported the excavated soil to Chem Waste Management TSDF in Kettleman Hills, CA for disposal. Please submit hazardous waste manifests for the soil removal/disposal within 45 days or by September 1, 1992.

If you have any questions, please contact J. Eberle at 510-271-4320.

Sincerely,

Susan Hugo

Senior Hazardous Materials Specialist

cc: Rich Hiett, RWQCB

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File

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

May 4, 1992

STID #64

PG&E Company 1000 Evans Av. San Francisco CA 94124 Attn: Valerie Gill

RE: Oakland Power Plant

50 Martin Luther King Way

Oakland CA 94607

Dear Ms. Gill.

The case file for the above referenced site has recently been reviewed by our staff. The case has been reassigned to Jennifer Eberle, Hazardous Materials Specialist. Please mail future correspondence to her attention.

On 12/5/91, we received the Tank Removal Report prepared by Robert Gils Associates, Inc. Laboratory analyses provided in this report indicate significant concentrations of TPH as diesel in soils sampled from beneath 3 diesel dump tanks. Specifically, Tank #2 had 4,901 ppm and 2,770 ppm TPH-d in underlying soils and stockpiled soils, respectively, from this excavation. Tank #3 had 7,999 ppm TPH-d in soils beneath the tank.

Steve Michell of Quamm Inc. indicated during a telephone conversation with Ms. Eberle on 4/29/92 that excavated soils were removed by Stamco and disposed at Kettleman TSDF. Please submit documentation of such removal and disposal.

You indicated during a telephone conversation with Ms. Eberle on 4/30/92 that new double-walled USTs were subsequently installed in the old vaults in the same excavations. Confirmatory soil samples were never taken to ensure that the contamination had been removed. However, you indicated that the tank pits were overexcavated to a depth of 7 feet below ground surface, and that this soil was removed and disposed, as per your contractor, Stamco.

On 5/4/92, you proposed to conduct soil borings at the bottom of the prior tank excavation in lieu of confirmatory soil samples. Therefore, we approve this proposal that soil samples be taken at 7' below ground surface.

Please notify our agency 3 days in advance of field activities so a Hazardous Materials Specialist may be on-site to observe.

DEPARTMENT OF ENVIRONMENTAL HEALTH Hazardous Materials Division 80 Swan Way, Rm. 200 Oakland, CA 94621 (510) 271-4320

RAFAT A. SHAHID, Assistant Agency Director

Valerie Gill STID #64 Page 2 of 2 May 4, 1992

All reports and proposals must be submitted under seal of a California-Registered Geologist, -Certified Engineering Geologist, or -Registered Civil Engineer. All proposal, reports, and analytical results pertaining to this investigation and remediation must be sent to our office and to:

Rich Hiett RWQCB, San Francisco Bay Region 2101 Webster St., Suite 500 Oakland CA 94612

If you have any questions, please phone Jennifer Eberle at 510-271-4320.

Sincerely,

Susan Hugo

Senior Hazardous Materials Specialist

cc: Rich Hiett. RMOCB

Chris Nwabuzoh, (Robert Gils Associates, 1260-45th St., Emeryville CA 94608)

Steve Michell and/or Michael Franklin, (Quamm Inc., PD Box 272598, Concord CA 94527)

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