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Ser 1813/ALAMEDA/NAS
1 DEC 1988

Mr. Tom Brennan
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109

Dear Mr. Brennan:

Enclosed is a copy of the minutes of the meeting of November 9, 1988 on the Scope of Work for the Air Quality Solid Waste Assessment Test for the Landfills at Naval Air Station, Alameda.

Please review the minutes and provide comments if any.

Should you have any questions regarding this matter, the point of contact is Commander, Western Division, Naval Facilities Engineering Command (Attn: Ms. Bella Dizon, Code 1813BD, (415) 877-7496).

Sincerely,

Original signed by:

Bella G. Dizon
Acting Head, Installation
Restoration Section
By direction

Copy to:
NAS Alameda (Attn: Randy Cate)

Blind copy to: (w/o encl) 09C5, 181, 1813, 1813BD

WRITER: B. Dizon/1813BD/7496
TYPIST: B. Palmer/1 Dec 88/Ser 3093S - Pg. 2
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MINUTES OF MEETING

Meeting Date: Wednesday, November 9, 1988

Meeting Location: Offices of the Bay Area Air Quality
Management District (BAAQMD)
939 Ellis Street, 6th Floor
San Francisco, CA 94109/6
(415) 771-6000

Meeting Topic: BAAQMD Requirements for the Air Quality SWAT for the
landfills at the Naval Air Station (NAS) Alameda, Alameda,
California

Persons Attending:

Tom Brennan, Advanced Projects Advisor, BAAQMD

Wayman Siu, Air Monitoring Manager, BAAQMD

Scott B. Lutz, Air Quality Engineer II, BAAQMD

Bella G. Dizon, Western Division Naval Facilities Engineering Command

James W. Babcock, Canonie Environmental Services Corp. (Canonie)

C. Carlos White, Canonie

The meeting began with a request from James Babcock and Carlos White that BAAQMD not require drilling of new air monitoring test wells in the interior areas of the landfills at NAS Alameda. Several reasons were advanced to support this request. First interviews with long-term employees at the station have revealed that inert explosives have been buried in the landfill. In addition, drums of hazardous wastes have been disposed of at the landfills, but it is not known exactly where or how deep these containers are buried. Drilling could rupture any drums which are

contacted. It was further explained that some monitoring wells have been installed during previous investigations, and that a gas venting system is in place along the eastern and northern perimeters of the West Beach Landfill. It was suggested that some of these existing wells and the venting system could be used to collect data for gas stream characterization.

Tom Brennan said BAAQMD considered the West Beach Landfill and the 1943-1956 Disposal Area to be one site.

He stressed that it was important to collect samples from test wells, because samples taken by the integrated surface sampling technique were much less reliable for characterization of the gas stream. After some discussion, Tom Brennan and Wayman Siu agreed that for the initial testing at the combined site, air samples could be collected from five existing locations (monitoring wells and gas vents) within the landfill areas. It was stressed that the sample locations and well details should be provided in the report.

The Canonic representatives next asked if the required meteorological study must be assembled and presented with the SWAT proposal. The reply to this was affirmative.

Additional questions were asked about testing methods and the quality assurance information which would be required with the SWAT proposal. The BAAQMD representatives offered a number of suggestions including warnings of potential problem areas.

Bella Dizon asked if the SWAT report must be submitted by the original deadline of February 1, 1989. The BAAQMD representatives mentioned that because the rainy season is beginning this could cause delays in collecting the required data. They said that they wished to receive the report as soon as it is practical to complete it, but that BAAQMD is in a position to be flexible concerning the original deadline of February 1, 1989.

At the end of these discussions the BAAQMD summarized the requirements for the Air Quality SWAT investigation as follows:

1. The testing should be in accordance with the "Hazardous Waste Disposal Site Testing Guidelines" (California Air Resources Board, January 23, 1987).
2. The specific testing requirements for the site are those which were described in the BAAQMD letter to Dana N. Sakamoto dated October 21, 1988, except that instead of five new test wells for gas stream characterization, samples will be collected from five existing wells or ventilation points on site.
3. Prior to beginning the testing program, a proposal describing the testing plan must be submitted to BAAQMD for approval. This proposal must include the meteorological survey for the site and a complete quality assurance plan for sampling and laboratory analyses.

At the end of the meeting, Tom Brennan informed Bella Dizon that because the landfills have been estimated to contain over one million tons of waste and garbage (excluding inert material), the landfill area is required to have a complete gas collection system. If the Navy is in violation of this requirement, fines may be assessed until a gas collection system is installed. A set of forms which could be used to request a variance to avoid these fines was provided to Bella Dizon.

Bella Dizon noted that the previous estimates of waste and garbage in the landfills had been only approximations. Closer examination of the available records may indicate that less than one million tons of the materials in question have been disposed of in the landfills, especially because the original estimate included substantial inert material such as aircraft engines. Tom Brennan said the BAAQMD estimated landfills to contain a minimum of 20% inert material. It was agreed that further study of this question would be undertaken immediately.