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April 5, 1994

Naval Facilities Engineering Services Center
Environmental Restoration Division Code ESC411
560 Center Drive
Port Hueneme, California 93043-4328

Attention: Mr. Jeffery C. Heath

Dear Jeff:

**HUNTERS POINT PROJECT
MONTHLY PROGRESS REPORT #8**

This report summarizes our progress on the subject project from February 25 to March 24, 1994. The report addresses progress this reporting period, problems, anticipated progress next reporting period, and presents a cost summary.

Progress This Reporting Period

The following activities were conducted this reporting period:

- 1) This month we began processing a subcontract for Jaxon Enterprises to take over the grit screening, crushing, and trucking activities. Their subcontract to recycle the grit into asphalt has already been processed.
- 2) Jeff Means and Jon Eastep visited Hunters Point Annex with Jeff Heath and Dave Song on March 15, 1994, and inspected additional grit accumulations for possible inclusion in the upcoming recycling project. A number of samples were taken, which will be chemically analyzed after contractual approval/funding is received to do so.
- 3) The results of the reanalysis of the ground asphalt core samples for TTLC and STLC Cu and Pb were received and are included in dilution calculations in Attachment 1. The results are still anomalous. The STLC Cu contents went down considerably and now comply with Cal EPA recycling criteria. Also, the STLC Pb content for the treated core was reduced to background. However, the STLC Pb content for the untreated core went up by over a factor of 3 and is now out of compliance with Cal EPA criteria. This is particularly anomalous in that Pb has historically been one of the metals that showed good binding in the asphalt matrix, and Pb passed the criteria on the previous core analyses. After discussing the results with the analytical lab, it was disclosed that the cores were ground to a powder prior to leaching. This was not necessary or desirable in that it could destroy most of the physical encapsulation of the metals.

Core samples are being remade by Orland Asphalt for repeat analysis. This issue needs to be resolved and understood before we can proceed with the field project.

Mr. Jeffery C. Heath
April 4, 1994
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Anticipated Progress for Next Reporting Period

New cores are being prepared and will be reanalyzed as soon as possible. This is being expedited as much as possible because the field program cannot proceed without fully compliant data.

We still plan to begin the crushing, screening, and trucking activities in mid-late April.

Problems

The analytical data in Attachment 1 present a potential obstacle to proceeding with this project, which must comply with Cal EPA recycling criteria. We will proceed as explained above, and some additional funding will be needed to pay for the analyses.

Cost Summary

	<u>Incurred During Reporting Period</u>	<u>Cumulative</u>
Lump Sum Technical Support	\$11,943	\$128,773
Line Item Unit Price Total	<u>0</u>	<u>18,607</u>
Total	\$11,943	\$147,380
Labor Hours	152	955.5

Please feel free to contact me at (614) 424-5442 if you have any comments or questions.

Sincerely,



Jeffrey L. Means, Ph.D.
Manager
Environmental Restoration Department

JLM:bms
In duplicate
Attachment (1)
cc: Dave Song, WESTDIV

ATTACHMENT

**First Set of Cores Analyzed Second Time
After Core Grinding**

**FIRST SET OF CORES ANALYZED SECOND TIME
AFTER CORE GRINDING**

April 4, 1994

Orland Asphalt Dilution Calculations
Untreated Grit-Cu

Mean WET Cu Content of Untreated Grit	144 mg/L
A) WET Cu content of asphalt core samples (average of 2 values, 0.37 and 0.44 mg/L)	0.405 mg/L
B) WET Cu content of control asphalt core samples (average of 2 values, 0.032 and <0.034 mg/L). Nondetect conservatively estimated at 0 for purposes of calculation.	0.033
C) Background-corrected WET Cu content of asphalt core samples (A-B)	0.372 mg/L
D) Dilution factor – Treated core samples (5% mix)	20
E) Dilution – Corrected WET Cu content of asphalt core samples (C*D)	7.44 mg/L
F) STLC for Cu	25 mg/L

**FIRST SET OF CORES ANALYZED SECOND TIME
AFTER CORE GRINDING**

April 4, 1994

Orland Asphalt Dilution Calculations
Untreated Grit-Pb

Mean WET Pb Content of Untreated Grit	19 mg/L
A) WET Pb content of asphalt core samples (average of 2 values, 0.7 and 0.82 mg/L)	0.76 mg/L
B) WET Pb content of control asphalt core samples (average of 2 values, ND ND < 0.1 mg/L). Nondetect conservatively estimated at 0 for purposes of calculation.	0
C) Background-corrected WET Pb content of asphalt core samples (A-B)	0.76 mg/L
D) Dilution factor -- Untreated core samples (5% mix)	20
E) Dilution -- Corrected WET Pb content of asphalt core samples (C*D)	15.2 mg/L
F) STLC for Pb	5.0 mg/L

**FIRST SET OF CORES ANALYZED SECOND TIME
AFTER CORE GRINDING**

April 4, 1994

Orland Asphalt Dilution Calculations
Treated Grit-Cu

Mean WET Cu Content of Treated Grit	55.5 mg/L
A) WET Cu content of asphalt core samples (average of 2 values, 0.036 and 0.036 mg/L)	0.036 mg/L
B) WET Cu content of control asphalt core samples (average of 2 values, 0.032 and <0.034 mg/L). Nondetect conservatively estimated at 0 for purposes of calculation.	0.033
C) Background-corrected WET Cu content of asphalt core samples (A-B)	0.003 mg/L
D) Dilution factor – Treated core samples (5% mix)	20
E) Dilution – Corrected WET Cu content of asphalt core samples (C*D)	0.06 mg/L
F) STLC for Cu	25 mg/L

**FIRST SET OF CORES ANALYZED SECOND TIME
AFTER CORE GRINDING**

April 4, 1994

Orland Asphalt Dilution Calculations
Treated Grit-Pb

Mean WET Pb Content of Treated Grit	11.1 mg/L
A) WET Pb content of asphalt core samples (average of 2 values, <0.1 and <0.1 mg/L)	<0.1 mg/L
B) WET Pb content of control asphalt core samples (average of 2 values, ND ND <0.1 mg/L). Nondetect conservatively estimated at 0 for purposes of calculation.	<0.1
C) Background-corrected WET Pb content of asphalt core samples (A-B)	<0.1 mg/L
D) Dilution factor – Treated core samples (5% mix)	20
E) Dilution – Corrected WET Pb content of asphalt core samples (C*D)	0 mg/L
F) STLC for Pb	5.0 mg/L