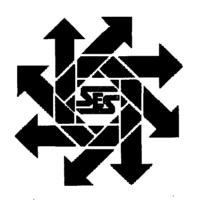
MAY - 7 2009

# Oxy USA Corporation Big Walt Battery Section 2 T22S R24 E Eddy County, New Mexico

**Closure Report** 

May 6, 2009



Prepared for:

Oxy USA WTP LP P.O. Box 1988 Carlsbad, New Mexico 88221

By:

Safety & Environmental Solutions, Inc. 703 E. Clinton Hobbs, New Mexico 88240 (575) 397-0510

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## I. Company Contacts

| NAME          | Company | Telephone    | E-mail                |
|---------------|---------|--------------|-----------------------|
| Kelton Beaird | Oxy USA | 575-390-1903 | Kelton Beaird@oxy.com |
| Isaac Kincaid | SESI    | 575-390-8841 | ikincaid@sesi-nm.com  |

## II. Background

Safety and Environmental Solutions, Inc. (SESI) was engaged by Oxy USA Corporation to perform clean up services at the Oxy Big Walt Battery spill site. This is a tank battery leak, where an unknown amount of product was released.

## III. Surface and Ground Water

The closest groundwater of record found on the Office of the State Engineer's online Database is located in Section 12, Township 22 South, Range 24 East. The depth of water in this well was 400' in 1914.

## IV. Work Performed

On October 8, 2007, SESI was onsite to obtain samples from release. Grab samples were taken from spill area in the pasture. Samples were transported to Argon Laboratories analyzed for Chlorides (EPA method 300.0), Benzene, Toluene, Ethyl Benzene, Xylenes, (BTEX EPA method 8021B), and Total Petroleum Hydrocarbons, (TPH EPA method 418.1.) Samples are as follows:

| Sample<br>point | Chlorides<br>(mg/kg) | Benzene<br>(mg/kg) | Toluene<br>(mg/kg) | Ethyl<br>Benzene<br>(mg/kg) | Xylenes<br>(mg/kg) | TPH<br>(mg/kg) |
|-----------------|----------------------|--------------------|--------------------|-----------------------------|--------------------|----------------|
| #1              | 300                  | <0.25              | 19                 | 6.1                         | 69                 | 75,000         |
| #2              | 130                  | <0.25              | 6.8                | 2.6                         | 36                 | 51,000         |
| #3              | 200                  | <0.25              | 9.9                | 3.6                         | 36                 | 48,000         |
| #4              | 560                  | <0.25              | 1.1                | 0.80                        | 6.5                | 28,000         |
| #5              | 92                   | <0.25              | 93                 | 27                          | 300                | 87,000         |
| Background      | <10                  | <0.005             | <0.005             | <0.005                      | <0.010             | <10            |

On November 27, 2007, SESI was back onsite to apply absorbent pads from second leak. Absorbent pads absorbed oil that had been released down the hillside. The absorbent pads were then obtained and placed in a metal drum and taken to CRI for disposal.

On December 4, 2007, SESI was back onsite to wash the hillside with soap and water. The water that pooled at the bottom of the hill was vacuumed up and disposed of at CRI. Three separate applications of 4% micro-blaze was applied to the hillside. Samples were transported to Argon Laboratories analyzed for Chlorides (EPA method 300.0), Benzene, Toluene, Ethyl Benzene, Xylenes, (BTEX EPA method 8021B), and Total Petroleum Hydrocarbons, (TPH EPA method 418.1.) Samples are as follows:

On June 18, 2008, samples were obtained from hillside spill area.

| Sample<br>point | Chlorides<br>(mg/kg) | Benzene<br>(mg/kg) | Toluene<br>(mg/kg) | Ethyl<br>Benzene<br>(mg/kg) | Xylenes<br>(mg/kg) | TPH<br>(mg/kg) |
|-----------------|----------------------|--------------------|--------------------|-----------------------------|--------------------|----------------|
| #1              | 74                   | ND                 | ND                 | ND                          | ND                 | 47,000         |
| #2              | 100                  | ND                 | ND                 | ND                          | ND                 | 44,000         |
| #3              | 260                  | ND                 | ND                 | ND                          | ND                 | 31,000         |
| #4              | 170                  | ND                 | ND                 | ND                          | ND                 | 26,000         |

On October 3, 2008, SESI was back onsite to obtain samples from hillside. A third release, Area #2, occurred approximately 0.2 east of battery location. Samples were obtained and transported to Argon Laboratories analyzed for Chlorides (EPA method 300.0), Benzene, Toluene, Ethyl Benzene, Xylenes, (BTEX EPA method 8021B), and Total Petroleum Hydrocarbons, (TPH EPA method 418.1.) Samples are as follows:

| Sample point | Chlorides<br>(mg/kg) | Benzene<br>(mg/kg) | Toluene<br>(mg/kg) | Ethyl<br>Benzene<br>(mg/kg) | Xylenes<br>(mg/kg) | TPH<br>(mg/kg) |
|--------------|----------------------|--------------------|--------------------|-----------------------------|--------------------|----------------|
| #1           | 96                   | ND                 | ND                 | ND                          | ND                 | 970            |
| #2           | 350                  | ND                 | ND                 | ND                          | ND                 | 22,000         |
| #3           | 22                   | ND                 | ND                 | ND                          | ND                 | 4,900          |
| #4           | 130                  | ND                 | ND                 | ND                          | ND                 | 31,000         |
| SP #1 Area 2 | 450                  | ND                 | ND                 | ND                          | ND                 | 27,000         |
| SP #2 Area 2 | 280                  | ND                 | ND                 | ND                          | ND                 | 25             |

On November 14, 2008, SESI was back onsite with Action Express Steam Cleaning to pressure wash hillside with soap and water. After hillside was washed an application of 4% micro-blaze was re-applied.

## V. Closure Plan

It is requested that no other action will be taken.

## VI. Figures & Appendices

Figure 1 - Vicinity Map

Figure 2 – Site Plan

Appendix A – Analytical Results

Appendix B - Site Photos

Figure 1 Vicinity Map

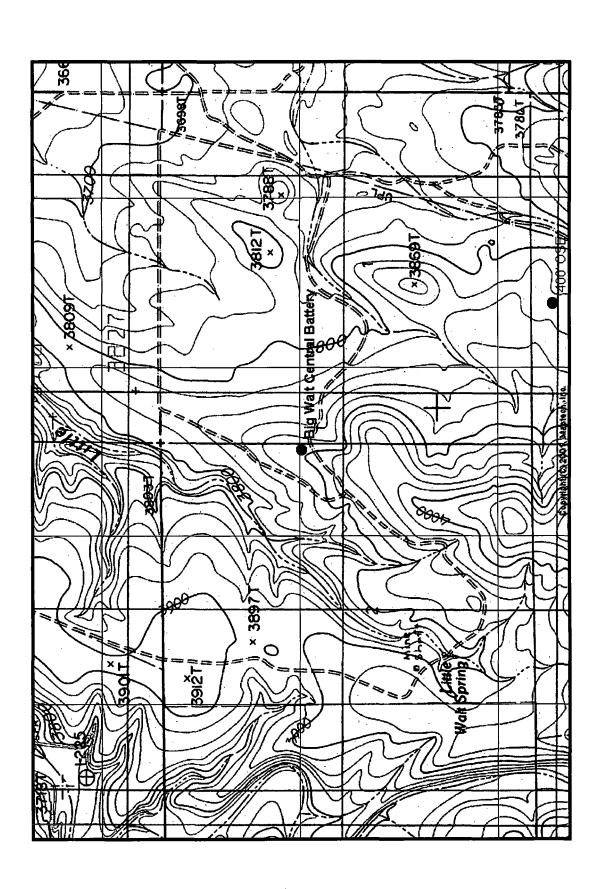
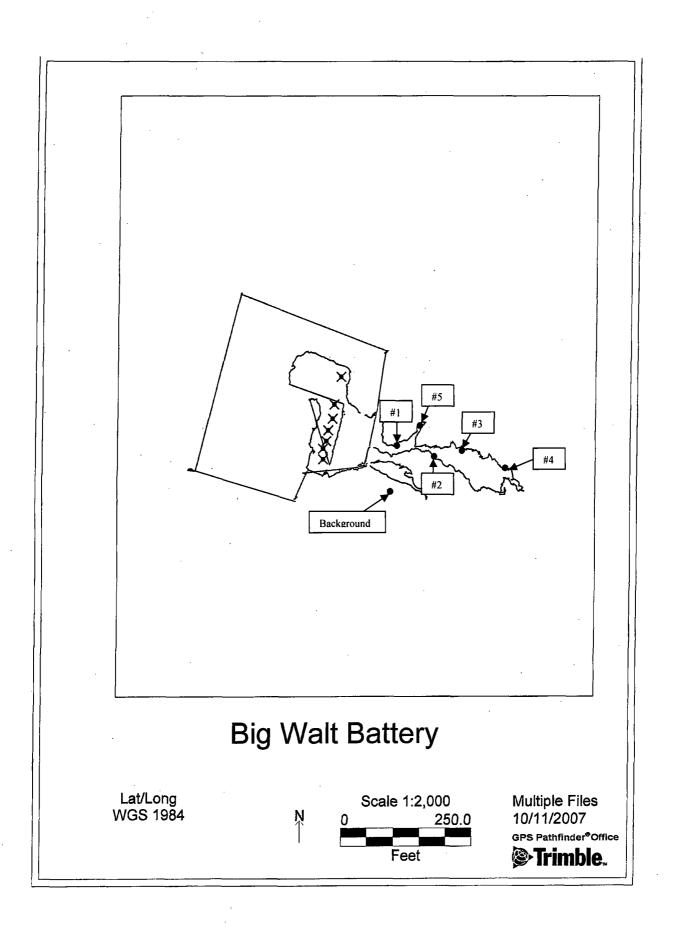


Figure 2 Site Plan



Appendix A Analytical Results

15 October 2007

Bob Allen Safety & Environmental Solutions, Inc. 703 E. Clinton Ave Hobbs, NM 88240

RE: Oxy Big Walt Battery Project Data

Enclosed are the results for sample(s) received on 10/08/07 16:35 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,

Hiram Cueto
Lab Manager

# **CHAIN OF CUSTODY**

(505)397-0295 (505)397-0296 info@argonlabs.com

2126 W. Marland Ave Hobbs, NM 88240

Argon Labs

COMMENTS SPECIAL INSTRUCTIONS: Time: Time: **ANALYSIS** Date: 35/3-4 888 Bill To: Samo Received By: Received By: Refeived By: Client: Address: Contact: Standard (5 days) RAFREE Time: Isaac Aina;1 # Containers Project No: Oxy-07-015
Project Title: Oxy 18:5 Least 18affery
Location: Oxy 18:5 Least 10m other Date: Date: TURN AROUND TIME 1055 1600 2011 KG100/10/08/101 1160 10/03/01/045 48 Hour Time 24 Hour Sampler's Signature: Relinquished By Sampler's Name: Relinquished By: Relinquished By Sample ID. RUSH (print) H

Safety & Environmental Solutions, Inc.

703 E. Clinton Ave Hobbs, NM 88240 Project Number: Oxy-07-015

Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen

Work Order No.: B710006

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID  | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|------------|---------------|--------|----------------|----------------|
| # 1        | B710006-01    | Soil   | 10/08/07 10:45 | 10/08/07 16:35 |
| # 2        | B710006-02    | Soil   | 10/08/07 10:50 | 10/08/07 16:35 |
| # 3        | B710006-03    | Soil   | 10/08/07 10:55 | 10/08/07 16:35 |
| # 4        | B710006-04    | Soil   | 10/08/07 11:00 | 10/08/07 16:35 |
| # 5        | B710006-05    | Soil   | 10/08/07 11:05 | 10/08/07 16:35 |
| Background | B710006-06    | Soil   | 10/08/07 11:00 | 10/08/07 16:35 |
|            |               |        |                |                |

QC Officer Approval

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email: info@argonlabs.com

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Safety & Environmental Solutions, Inc.

703 E. Clinton Ave Hobbs, NM 88240 Project Number: Oxy-07-015

Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen

Work Order No.: B710006

## Anions by Ion Chromatography - EPA Method 300.0

|                       | <del></del>              |          |                    |            |          |          |           |       |
|-----------------------|--------------------------|----------|--------------------|------------|----------|----------|-----------|-------|
| Analyte               |                          | Result   | Reporting<br>Limit | Units      | Dilution | Analyzed | Method    | Notes |
| # 1 (B710006-01) Soil | Sampled: 10/08/07 10:45  | Received | 1: 10/08/07 10     | 6:35       |          |          |           | ·     |
| Chloride              |                          | 300      | 10                 | mg/kg      | 1        | 10/11/07 | EPA 300.0 |       |
| # 2 (B710006-02) Soil | Sampled: 10/08/07 10:50  | Received | l: 10/08/07 1      | 6:35       |          |          |           |       |
| Chloride              |                          | 130      | 10                 | mg/kg      | 1        | 10/11/07 | EPA 300.0 |       |
| # 3 (B710006-03) Soil | Sampled: 10/08/07 10:55  | Received | l: 10/08/07 1      | 6:35       |          |          |           |       |
| Chloride              |                          | 200      | 10                 | mg/kg      | 1        | 10/11/07 | EPA 300.0 |       |
| # 4 (B710006-04) Soil | Sampled: 10/08/07 11:00  | Received | : 10/08/07 10      | 6:35       |          |          |           |       |
| Chloride              |                          | 560      | 10                 | mg/kg      | 1        | 10/11/07 | EPA 300.0 |       |
| # 5 (B710006-05) Soil | Sampled: 10/08/07 11:05  | Received | : 10/08/07 10      | 6:35       |          |          |           |       |
| Chloride              |                          | 92       | 10                 | mg/kg      | 1        | 10/11/07 | EPA 300.0 |       |
| Background (B710006-  | 06) Soil Sampled: 10/08/ | 07 11:00 | Received: 10       | 0/08/07 16 | 6:35     |          |           |       |
| Chloride              |                          | <10      | 10                 | mg/kg      | 1        | 10/11/07 | EPA 300.0 |       |

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Safety & Environmental Solutions, Inc.

703 E. Clinton Ave Hobbs, NM 88240 Project Number: Oxy-07-015

Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen

Work Order No.: B710006

## BTEX EPA Method 8021B

|                       |                                  |                    |       |          | <del></del> |        |       |
|-----------------------|----------------------------------|--------------------|-------|----------|-------------|--------|-------|
| Analyte               | Result                           | Reporting<br>Limit | Units | Dilution | Analyzed    | Method | Note: |
| # 1 (B710006-01) Soil | Sampled: 10/08/07 10:45 Received | d: 10/08/07 1      | 6:35  |          |             |        | D-:   |
| Benzene               | <0.25                            | 0.25               | mg/kg | 50       | 10/11/07    | 8021B  |       |
| Toluene               | 19                               | 0.25               | 6.46  | 11       | 10/11/0/    | "      |       |
| Ethylbenzene          | 6.1                              | 0.25               | Ħ     | II       | n           | e      |       |
| Xylenes (total)       | 69                               | 0.50               | н     | #1       | tı          | e      |       |
| Surr. Rec.:           |                                  | 87 %               |       |          | "           | "      |       |
| # 2 (B710006-02) Soil | Sampled: 10/08/07 10:50 Received | d: 10/08/07 1      | 6:35  |          |             |        | D-1   |
| Benzene               | <0.25                            | 0.25               | mg/kg | 50       | 10/11/07    | 8021B  |       |
| Toluene               | 6.8                              | 0.25               | n     | II .     | u.          |        |       |
| Ethylbenzene          | 2.6                              | 0.25               | *     | 19       | u           | н      |       |
| Xylenes (total)       | 36                               | 0.50               |       | ii e     | n           | U      |       |
| Surr. Rec.:           |                                  | 108 %              |       |          | 11          | "      |       |
| # 3 (B710006-03) Soil | Sampled: 10/08/07 10:55 Received | d: 10/08/07 1      | 6:35  | •        |             |        | D-1   |
| Benzene               | <0.25                            | 0.25               | mg/kg | 50       | 10/11/07    | 8021B  |       |
| Toluene               | 9.9                              | 0.25               | "     | •        | ij          | u      |       |
| Ethylbenzene          | 3.6                              | 0.25               | ıı    | И        | n           | 11     |       |
| Xylenes (total)       | 36                               | 0.50               | II.   | п        | п           | #      |       |
| Surr. Rec.:           |                                  | 88 %               |       |          | "           | ,      |       |
| # 4 (B710006-04) Soil | Sampled: 10/08/07 11:00 Received | d: 10/08/07 1      | 5:35  |          |             |        | D-1   |
| Benzene               | <0.25                            | 0.25               | mg/kg | 50       | 10/11/07    | 8021B  |       |
| Toluene               | 1.1                              | 0.25               | u.    | п        | п           | n      |       |
| Ethylbenzene          | 0.80                             | 0.25               | "     | II       | n           | u      |       |
| Xylenes (total)       | 6.5                              | 0.50               | **    | 0        | ti .        | u .    |       |
| Surr. Rec.:           |                                  | 99 %               |       |          | "           | "      |       |

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Safety & Environmental Solutions, Inc.

703 E. Clinton Ave Hobbs, NM 88240 Project Number: Oxy-07-015

Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen

Work Order No.: B710006

## BTEX EPA Method 8021B

| Analyte                      | Result                    | Reporting<br>Limit | Units      | Dilution | Analyzed | Method | Notes |
|------------------------------|---------------------------|--------------------|------------|----------|----------|--------|-------|
| # 5 (B710006-05) Soil Sample | d: 10/08/07 11:05 Receive | d: 10/08/07 1      | 6:35       |          |          |        | D-1   |
| Benzene                      | <0.25                     | 0.25               | mg/kg      | 50       | 10/11/07 | 8021B  |       |
| Toluene                      | 93                        | 0.25               | 'n         | II.      | II.      | n      |       |
| Ethylbenzene                 | 27                        | 0.25               | n          | ii .     | u        | 11     |       |
| Xylenes (total)              | 300                       | 0.50               | "          | п        |          | h      |       |
| Surr. Rec.:                  |                           | 95 %               | ·          |          | п        | "      |       |
| Background (B710006-06) Soil | Sampled: 10/08/07 11:00   | Received: 1        | 0/08/07 16 | :35      |          |        |       |
| Benzene                      | <0.005                    | 0.25               | mg/kg      | 1        | 10/11/07 | 8021B  |       |
| Toluene                      | < 0.005                   | 0.25               | **         | "        | · ·      | n      |       |
| Ethylbenzene                 | < 0.005                   | 0.25               |            | n        | H        | n      |       |
| Xylenes (total)              | <0.010                    | 0.50               | "          | 12       |          | 0      |       |
| Surr. Rec.:                  |                           | 106 %              |            |          | 11       | "      |       |

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Argon Laboratories, Inc.

email: info@argonlabs.com

Safety & Environmental Solutions, Inc.

Project Number: Oxy-07-015

703 E. Clinton Ave Hobbs, NM 88240 Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen

Work Order No.:

B710006

## Total Recoverable Petroleum Hydrocarbons with Silica Gel Clean-Up by IR Spectrometry

| Analyte                                | Result              | Reporting<br>Limit | Units     | Dilution | Analyzed | Method    | Notes |
|--|---------------------|--------------------|-----------|----------|----------|-----------|-------|
| # 1 (B710006-01) Soil Sampled: 10/08/0 | 7 10:45 Received:   | 10/08/07 16        | :35       |          |          |           |       |
| Total Petroleum Hydrocarbons           | 75000               | 10                 | mg/kg     | 1        | 10/12/07 | EPA 418.1 |       |
| # 2 (B710006-02) Soil Sampled: 10/08/0 | 7 10:50 Received:   | 10/08/07 10        | 5:35      |          |          |           |       |
| Total Petroleum Hydrocarbons           | 51000               | 10                 | mg/kg     | 1        | 10/12/07 | EPA 418.1 |       |
| # 3 (B710006-03) Soil Sampled: 10/08/0 | 7 10:55 Received:   | 10/08/07 16        | 5:35      |          |          | ,         |       |
| Total Petroleum Hydrocarbons           | 48000               | 10                 | mg/kg     | 1        | 10/12/07 | EPA 418.1 |       |
| # 4 (B710006-04) Soil Sampled: 10/08/0 | 7 11:00 Received:   | 10/08/07 16        | 5:35      |          |          |           |       |
| Total Petroleum Hydrocarbons           | 28000               | 10                 | mg/kg     | 1        | 10/12/07 | EPA 418.1 |       |
| # 5 (B710006-05) Soil Sampled: 10/08/0 | 7 11:05 Received:   | 10/08/07 16        | 5:35      |          |          |           |       |
| Total Petroleum Hydrocarbons           | 87000               | 10                 | mg/kg     | 1        | 10/12/07 | EPA 418.1 |       |
| Background (B710006-06) Soil Sampled   | I: 10/08/07 11:00 R | Received: 10       | /08/07 16 | :35      |          |           |       |
| Total Petroleum Hydrocarbons           | <10                 | 10                 | mg/kg     | 1        | 10/12/07 | EPA 418.1 |       |

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Safety & Environmental Solutions, Inc.

703 E. Clinton Ave Hobbs, NM 88240 Project Number: Oxy-07-015

Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen

Work Order No.:

B710006

## Anions by Ion Chromatography - EPA Method 300.0 - Quality Control

# Argon Laboratories

| Analyte                         | Result | Reporting<br>Limit | Units                         | Spike<br>Level | Source<br>Result | %REC        | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------------------------------|--------|--------------------|-------------------------------|----------------|------------------|-------------|----------------|-----|--------------|-------|
| Batch BQ00114 - General Prep    |        |                    |                               |                |                  |             |                |     |              |       |
| Blank (BQ00114-BLK1)            |        |                    |                               | Prepared &     | & Analyzed       | i: 10/11/07 | ,              |     |              |       |
| Chloride                        | ND     | 10                 | mg/kg                         |                |                  |             |                |     |              |       |
| LCS (BQ00114-BS1)               |        |                    | Prepared & Analyzed: 10/11/07 |                |                  |             |                |     |              |       |
| Chloride                        | 4.95   |                    | mg/kg                         | 5.00           |                  | 99          | 70-130         |     |              |       |
| LCS Dup (BQ00114-BSD1)          |        |                    |                               | Prepared &     | & Analyzed       | i: 10/11/07 | ,              |     |              |       |
| Chloride                        | 5.15   |                    | mg/kg                         | 5.00           |                  | 103         | 70-130         | 4   | 20           |       |
| Matrix Spike (BQ00114-MS1)      |        |                    |                               | Prepared &     | & Analyzed       | i: 10/11/07 | ,              |     |              |       |
| Chloride                        | 4.66   |                    | mg/kg                         | 5.00           |                  | 93          | 70-130         |     |              |       |
| Matrix Spike Dup (BQ00114-MSD1) |        |                    |                               | Prepared &     | & Analyzed       | i: 10/11/07 | ,              |     |              |       |
| Chloride                        | 4.29   |                    | mg/kg                         | 5.00           |                  | 86          | 70-130         | 8   | 20           |       |

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Safety & Environmental Solutions, Inc.

Project Number: Oxy-07-015

703 E. Clinton Ave

Project Name: Oxy Big Walt Battery

Work Order No.: B710006

Hobbs, NM 88240

Project Manager: Bob Allen

BTEX EPA Method 8021B - Quality Control

# Argon Laboratories

| Analyte                           | Result      | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC        | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|-----------------------------------|-------------|--------------------|-------|----------------|------------------|-------------|----------------|-----|--------------|-------|
| Batch BQ00112 - EPA 5030B         | <del></del> |                    |       |                |                  |             |                |     |              |       |
| Blank (BQ00112-BLK1)              |             |                    |       | Prepared &     | k Analyzed       | i: 10/11/07 |                |     |              |       |
| Surrogate: a,a,a-Trifluorotoluene | 0.0540      |                    | mg/kg | 0.0500         |                  | 108         | 70-130         |     |              |       |
| Benzene                           | ND          | 0.005              | tt    |                |                  |             |                |     |              |       |
| Toluene                           | ND          | 0.005              | n     |                |                  |             |                |     |              |       |
| Ethylbenzene                      | ND          | 0.005              | n     |                |                  |             |                |     |              |       |
| Xylenes (total)                   | ND          | 0.010              | ı     |                |                  |             |                |     |              |       |
| LCS (BQ00112-BS1)                 |             |                    |       | Prepared &     | Analyzed         | l: 10/11/07 |                |     |              |       |
| Benzene                           | 0.048       |                    | mg/kg | 0.0500         |                  | 96          | 80-120         |     |              |       |
| LCS Dup (BQ00112-BSD1)            |             |                    |       | Prepared &     | Analyzed         | l: 10/11/07 |                |     |              |       |
| Benzene                           | 0.046       |                    | mg/kg | 0.0500         | •                | 92          | 80-120         | 4   | 20           |       |
| Matrix Spike (BQ00112-MS1)        |             |                    |       | Prepared &     | Analyzed         | l: 10/11/07 |                |     |              |       |
| Ethylbenzene                      | 0.042       |                    | mg/kg | 0.0500         |                  | 84          | 70-130         |     |              |       |
| Matrix Spike Dup (BQ00112-MSD1)   |             |                    |       | Prepared &     | Analyzed         | l: 10/11/07 |                |     |              |       |
| Ethylbenzene                      | 0.044       |                    | mg/kg | 0.0500         |                  | 88          | 70-130         | 5   | 20           |       |

QC Officer Approval

Argon Laboratories, Inc.

Safety & Environmental Solutions, Inc.

Project Number: Oxy-07-015

703 E. Clinton Ave

Project Name: Oxy Big Walt Battery

Hobbs, NM 8824

Project Manager: Bob Allen

Work Order No.:

B710006

## Total Recoverable Petroleum Hydrocarbons with Silica Gel Clean-Up by IR Spectrometry - Quality Control

# Argon Laboratories

|                                 |        | Reporting |       | Spike      | Source     |             | %REC   |     | RPD   |       |
|---------------------------------|--------|-----------|-------|------------|------------|-------------|--------|-----|-------|-------|
| Analyte                         | Result | Limit     | Units | Level      | Result     | %REC        | Limits | RPD | Limit | Notes |
| Batch BQ00111 - EPA 3550B       |        |           |       |            |            |             |        |     |       |       |
| Blank (BQ00111-BLK1)            |        |           |       | Prepared & | k Analyzed | 1: 10/12/07 | ,      |     |       |       |
| Total Petroleum Hydrocarbons    | ND     | 10        | mg/kg |            |            |             |        |     |       |       |
| LCS (BQ00111-BS1)               |        |           |       | Prepared & | k Analyzed | i: 10/12/07 | ,      |     |       |       |
| Total Petroleum Hydrocarbons    | 46.5   |           | mg/kg | 50.0       |            | 93          | 70-130 |     |       |       |
| LCS Dup (BQ00111-BSD1)          |        |           |       | Prepared & | k Analyzed | i: 10/12/07 | ,      |     |       |       |
| Total Petroleum Hydrocarbons    | 47.2   |           | mg/kg | 50.0       |            | 94          | 70-130 | 1   | 20    |       |
| Matrix Spike (BQ00111-MS1)      |        |           |       | Prepared & | k Analyzed | l: 10/12/07 | Ī      |     |       |       |
| Total Petroleum Hydrocarbons    | 43.1   |           | mg/kg | 50.0       | _          | 86          | 70-130 |     |       |       |
| Matrix Spike Dup (BQ00111-MSD1) |        |           |       | Prepared & | k Analyzed | l: 10/12/07 | ,      |     |       |       |
| Total Petroleum Hydrocarbons    | 42.5   |           | mg/kg | 50.0       |            | 85          | 70-130 | 1   | 20    |       |

QC Officer Approval

Argon Laboratories, Inc.

Safety & Environmental Solutions, Inc.

88240

703 E. Clinton Ave Hobbs, NM

Project Number: Oxy-07-015

Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen

Work Order No.:

B710006

## **Notes and Definitions**

D-1 Sample diluted due to high concentration of target analytes and/or high organic content.

DET Analyte DETECTED

Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

Sample results reported on a dry weight basis

Relative Percent Difference

QC Officer Approval

Argon Laboratories, Inc.

06 November 2008

Bob Allen Safety & Environmental Solutions, Inc. 703 E. Clinton Ave Hobbs, NM 88240

RE: Oxy Big Walt Battery Project Data

Enclosed are the results for sample(s) received on 10/29/08 15:00 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,

Hiram Cueto Lab Manager

# CHAIN OF CUSTODY

Argon Labs

(505)397-0295 (505)397-0296 info@argonlabs.com 2126 W. Marland Ave Hobbs, NM 88240

COMMENTS SPECIAL INSTRUCTIONS: Client: SESZ Address: 763 & Clinton BBUD Leading Time: 80-52-01 Date: Contact; Hopping Hopping Phone 575/397-05/0 Bill To: Client: Same HdI 1.814 Received By: Received By: XZISX Standard (5 days) Matrix 50.1 Soil 20.1 Time: other Project No: OKY 9705 Project Title: OKY Big well Rathery Location: Isac hiraic Date: Date: TURN AROUND TIME 48 Hour Carlsbad, NM Sampler's Name: 1120 10/22/08 10/27/08 80/12/01 24 Hour Sampler's Signature: ara 2 Relinquished By: Relinquished By: Sample ID. RUSH Relinguishes

# **Argon Laboratories Sample Receipt Checklist**

| Client Name:            | SESI                                  |            |          |                                       | Date & Ti    | me Receive   | ed:     | 10/29/     | 08                 |               |       | 15:00    |    |   |
|-------------------------|---------------------------------------|------------|----------|---------------------------------------|--------------|--------------|---------|------------|--------------------|---------------|-------|----------|----|---|
| Project Name:           | Oxy Big Walt B                        | attery     |          |                                       | Client Pro   | oject Numb   | er:     | OXY-0      | 7-015              |               |       |          |    |   |
| Received By:            | RE                                    |            |          | Mat                                   | rix:         | Water [      | ]       | Soil       | 7                  |               |       |          |    |   |
| Sample Carrier:         | Client 🔲                              | Lab        | oratory  | V                                     | Fed Ex       |              | UPS     |            | Other              |               |       |          | ٠  |   |
| Argon Labs Project I    | Number:                               | <u>C81</u> | 0007     |                                       |              |              |         |            |                    |               |       |          |    | - |
| Shipper Container in go | ood condition?                        |            |          |                                       |              | Samples re   | eceived | d in prop  | er containe        | ers?          | Yes   | 7        | No |   |
| J                       | N/A                                   | Yes        | V        | No                                    |              | Samples re   | eceived | d intact?  |                    |               | Yes   | V        | No |   |
| Samples received unde   | er refrigeration?                     | Yes        | V        | No                                    |              | Sufficient s | ample   | volume     | for reques         | ted tests     | ? Yes | <b>V</b> | No |   |
| Chain of custody prese  | ent?                                  | Yes        | V        | No                                    |              | Samples re   | eceivec | d within I | nolding tim        | e?            | Yes   | <b>√</b> | No |   |
| Chain of Custody signe  | ed by all parties?                    | Yes        | <b>V</b> | No                                    |              | Do sample:   | s conta | ain prope  | er preserva<br>N/A | ative?        | Yes   |          | No |   |
| Chain of Custody matc   | hes all sample la                     | bels?      |          |                                       |              | Do VOA vial  | s conta | in zero h  | eadspace?          |               |       |          |    |   |
|                         |                                       | Yes        | V        | No                                    |              |              |         | (None s    | submitted          | ☑)            | Yes   |          | No |   |
|                         | ANY "N                                | lo" RE     | SPONSI   | E MUST                                | BE DETA      | AILED IN TH  | E CON   | MENTS      | S SECTIO           | N BELO        | N     |          |    |   |
| <del></del>             |                                       |            |          |                                       |              |              |         |            |                    |               |       |          |    |   |
| Date Client Contacte    | ed:                                   |            |          | _                                     | Pe           | rson Conta   | cted:   |            |                    | <del></del> - | -     |          |    | — |
| Contacted By:           |                                       |            |          |                                       | Subject:     |              |         |            |                    |               |       |          |    |   |
| Comments:               |                                       |            |          |                                       |              |              |         |            |                    |               |       |          |    |   |
|                         |                                       |            |          |                                       |              | -            |         | -          |                    |               |       |          |    | _ |
|                         |                                       |            |          |                                       |              |              |         |            |                    |               |       |          |    | _ |
|                         |                                       |            |          |                                       |              |              |         |            |                    |               |       |          |    | _ |
| Action Taken:           | ·                                     |            |          |                                       |              |              |         |            |                    |               |       |          |    |   |
|                         | · · · · · · · · · · · · · · · · · · · |            |          |                                       |              |              | -       |            |                    |               |       |          |    | _ |
|                         |                                       |            |          | · · · · · · · · · · · · · · · · · · · |              |              |         |            |                    |               |       |          |    | _ |
|                         |                                       |            |          | ADDITIO                               | NAL TES      | T(S) REQUE   | ST / C  | OTHER      |                    |               |       |          |    |   |
| Contacted By:           |                                       |            |          |                                       |              | Date:        |         |            |                    |               |       | e:       |    |   |
| Call Received By:       |                                       |            |          |                                       | _            |              |         |            |                    |               |       |          |    |   |
| Comments:               |                                       |            |          |                                       |              |              |         |            |                    |               |       |          |    |   |
|                         |                                       |            |          |                                       |              |              |         |            |                    |               |       |          |    | _ |
|                         | <del></del>                           |            |          |                                       | <del> </del> |              |         |            |                    |               |       |          |    | _ |
|                         |                                       |            |          |                                       |              |              |         |            |                    |               |       |          |    | _ |
|                         |                                       |            |          |                                       |              |              |         |            |                    |               |       |          |    |   |

Safety & Environmental Solutions, Inc.

Project Number: Oxy-07-015

703 E. Clinton Ave

Project Name: Oxy Big Walt Battery

Hobbs, NM 8824

Project Manager: Bob Allen

Work Order No.: C810007

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID    | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|--------------|---------------|--------|----------------|----------------|
| SP #1 Area 2 | C810007-01    | Soil   | 10/03/08 11:10 | 10/29/08 15:00 |
| SP #2 Area 2 | C810007-02    | Soil   | 10/03/08 11:15 | 10/29/08 15:00 |
| #1 Surface   | C810007-03    | Soil   | 10/27/08 11:05 | 10/29/08 15:00 |
| #2 Surface   | C810007-04    | Soil   | 10/27/08 11:10 | 10/29/08 15:00 |
| #3 Surface   | C810007-05    | Soil   | 10/27/08 11:15 | 10/29/08 15:00 |
| #4 Surface   | C810007-06    | Soil   | 10/27/08 11:20 | 10/29/08 15:00 |
|              |               |        |                |                |

QC Officer Approval

Argon Laboratories, Inc.

email: info@argonlabs.com Page 1 of 9

Safety & Environmental Solutions, Inc.

Project Number: Oxy-07-015

703 E. Clinton Ave

Project Name: Oxy Big Walt Battery

Hobbs, NM 88240

Project Manager: Bob Allen

Work Order No.: C810007

## **ANALYSIS REPORT**

| Analyte                      | Result                    | Reporting<br>Limit | Units     | Dilution   | Analyzed | Method    | Note |
|------------------------------|---------------------------|--------------------|-----------|------------|----------|-----------|------|
| SP #1 Area 2 (C810007-01) So | il Sampled: 10/03/08 11:1 | 0 Receiv           | ed: 10/2  | 9/08 15:00 |          |           |      |
| Chloride                     | 450                       | 40                 | mg/kg     | 4          | 11/05/08 | EPA 300.0 |      |
| SP #2 Area 2 (C810007-02) So | il Sampled: 10/03/08 11:1 | 5 Receiv           | ed: 10/2  | 9/08 15:00 |          |           |      |
| Chloride                     | 280                       | 20                 | mg/kg     | 2          | 11/05/08 | EPA 300.0 |      |
| #1 Surface (C810007-03) Soil | Sampled: 10/27/08 11:05   | Received           | : 10/29/0 | 8 15:00    |          |           |      |
| Chloride                     | 96                        | 10                 | mg/kg     | 1          | 11/05/08 | EPA 300.0 |      |
| #2 Surface (C810007-04) Soil | Sampled: 10/27/08 11:10   | Received           | : 10/29/0 | 8 15:00    |          |           |      |
| Chloride                     | 350                       | 40                 | mg/kg     | 4          | 11/05/08 | EPA 300.0 |      |
| #3 Surface (C810007-05) Soil | Sampled: 10/27/08 11:15   | Received           | : 10/29/0 | 8 15:00    |          |           |      |
| Chloride                     | 22                        | 10                 | mg/kg     | 1          | 11/05/08 | EPA 300.0 |      |
| #4 Surface (C810007-06) Soil | Sampled: 10/27/08 11:20   | Received           | : 10/29/0 | 8 15:00    |          |           |      |
| Chloride                     | 130                       | 20                 | mg/kg     | 2          | 11/05/08 | EPA 300.0 |      |

QC Officer Approval

Argon Laboratories, Inc.

email: info@argonlabs.com Pag

Safety & Environmental Solutions, Inc.

Project Number: Oxy-07-015

703 E. Clinton Ave Hobbs, NM 88240 Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen

Work Order No.: C810007

## BTEX EPA Method 8021B

| 1                            | R                           | eporting |            |            |          |        |             |
|------------------------------|-----------------------------|----------|------------|------------|----------|--------|-------------|
| Analyte                      | Result                      | Limit    | Units      | Dilution   | Analyzed | Method | Note        |
| SP #1 Area 2 (C810007-01) Se | oil Sampled: 10/03/08 11:10 | Receiv   | /ed: 10/29 | 0/08 15:00 |          |        | <b>D</b> -1 |
| Benzene                      | ND                          | 0.10     | mg/kg      | 20         | 11/05/08 | 8021B  |             |
| Toluene                      | ND                          | 0.10     | *1         | **         | ti       | b      |             |
| Ethylbenzene                 | ND                          | 0.10     | 17         | n          | O        | D      |             |
| Xylenes (total)              | ND                          | 0.20     | н          | n          | п        | n      |             |
| Surr. Rec.:                  |                             | 81 %     |            |            | н        | "      |             |
| SP #2 Area 2 (C810007-02) Se | oil Sampled: 10/03/08 11:15 | Receiv   | /ed: 10/29 | 9/08 15:00 |          |        |             |
| Benzene                      | ND                          | 0.005    | mg/kg      | ı          | 11/05/08 | 8021B  |             |
| Toluene                      | ND                          | 0.005    | "          | "          | U        | n      |             |
| Ethylbenzene                 | ND                          | 0.005    | 11         | It         | tt       | II .   |             |
| Xylenes (total)              | ND                          | 0.010    | "          | 11         | 11       | ti     |             |
| Surr. Rec.:                  |                             | 95 %     |            |            | "        | "      |             |
| #1 Surface (C810007-03) Soil | Sampled: 10/27/08 11:05     | Received | l: 10/29/0 | 8 15:00    |          |        | <b>D</b> -3 |
| Benzene                      | ND                          | 0.025    | mg/kg      | 5          | 11/05/08 | 8021B  |             |
| Toluene                      | ND                          | 0.025    | 11         | 11         | п        | 11     |             |
| Ethylbenzene                 | ND                          | 0.025    | ti         | п          | Ħ        | Ħ      |             |
| Xylenes (total)              | ND                          | 0.050    | н          | μ          | п        |        |             |
| Surr. Rec.:                  |                             | 100 %    |            |            | "        | "      |             |
| #2 Surface (C810007-04) Soil | Sampled: 10/27/08 11:10     | Received | l: 10/29/0 | 8 15:00    |          |        | <b>D</b> -1 |
| Benzene                      | ND                          | 0.10     | mg/kg      | 20         | 11/05/08 | 8021B  |             |
| Toluene                      | ND                          | 0.10     | 11         | n          | 11       | n      |             |
| Ethylbenzene                 | ND                          | 0.10     | U          | II .       | п        | n      |             |
| Xylenes (total)              | ND                          | 0.20     | n          | 11         | 11       | n      |             |
| Surr. Rec.:                  |                             | 104 %    |            |            | n        | 11     |             |

QC Officer Approval

Argon Laboratories, Inc.

email: info@argonlabs.com Pag

Page 3 of 9

Safety & Environmental Solutions, Inc.

703 E. Clinton Ave Hobbs, NM 8824 Project Number: Oxy-07-015

Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen

Work Order No.:

C810007

## BTEX EPA Method 8021B

| Analyte                      | Result                  | Reporting<br>Limit | Units   | Dilution | Analyzed | Method | Note        |
|------------------------------|-------------------------|--------------------|---------|----------|----------|--------|-------------|
| #3 Surface (C810007-05) Soil | Sampled: 10/27/08 11:15 | Received:          | 10/29/0 | 8 15:00  |          |        | <b>D</b> -1 |
| Benzene                      | ND                      | 0.025              | mg/kg   | 5        | 11/05/08 | 8021B  |             |
| Toluene                      | ND                      | 0.025              | 11      | 41       | μ        | U      |             |
| Ethylbenzene                 | ND .                    | 0.025              | n       |          | II       | н      |             |
| Xylenes (total)              | ND                      | 0.050              | 10      | n .      | 11       | n      |             |
| Surr. Rec.:                  |                         | 119%               |         |          | "        | "      |             |
| #4 Surface (C810007-06) Soil | Sampled: 10/27/08 11:20 | Received:          | 10/29/0 | 8 15:00  |          |        | <b>D</b> -3 |
| Benzene                      | ND                      | 0.10               | mg/kg   | 20       | 11/05/08 | 8021B  |             |
| Toluene                      | ND                      | 0.10               | 11      | n        | 11       | 11     |             |
| Ethylbenzene                 | ND                      | 0.10               | 11      | II .     | **       | 11     |             |
| Xylenes (total)              | ND                      | 0.20               | 11      | 91       | #        | 11     |             |
| Surr. Rec.:                  |                         | 109 %              |         |          | "        | "      |             |

QC Officer Approval

Argon Laboratories, Inc.

email: info@argonlabs.com

Page 4 of 9

Safety & Environmental Solutions, Inc.

Project Number: Oxy-07-015

703 E. Clinton Ave Hobbs, NM 88240 Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen

Work Order No.: C810007

Total Recoverable Petroleum Hydrocarbons with Silica Gel Clean-Up by IR Spectrometry

| Analyte                       | Result                   | Reporting<br>Limit | Units     | Dilution   |                                       | Analyzed | Method    | Notes |
|-------------------------------|--------------------------|--------------------|-----------|------------|---------------------------------------|----------|-----------|-------|
| SP #1 Area 2 (C810007-01) Soi | I Sampled: 10/03/08 11:1 | 0 Receiv           | ed: 10/2  | 9/08 15:00 |                                       |          |           |       |
| Total Petroleum Hydrocarbons  | 27000                    | 400                | mg/kg     | 20         |                                       | 11/05/08 | EPA 418.1 |       |
| SP #2 Area 2 (C810007-02) Soi | l Sampled: 10/03/08 11:1 | 5 Receiv           | ed: 10/2  | 9/08 15:00 |                                       |          | •         |       |
| Total Petroleum Hydrocarbons  | 25                       | 20                 | mg/kg     | 1          |                                       | 11/05/08 | EPA 418.1 |       |
| #1 Surface (C810007-03) Soil  | Sampled: 10/27/08 11:05  | Received           | : 10/29/0 | 08 15:00   |                                       |          |           |       |
| Total Petroleum Hydrocarbons  | 970                      | 80                 | mg/kg     | 4          |                                       | 11/05/08 | EPA 418.1 |       |
| #2 Surface (C810007-04) Soil  | Sampled: 10/27/08 11:10  | Received           | : 10/29/0 | 08 15:00   |                                       |          |           |       |
| Total Petroleum Hydrocarbons  | 22000                    | 400                | mg/kg     | 20         |                                       | 11/05/08 | EPA 418.1 |       |
| #3 Surface (C810007-05) Soil  | Sampled: 10/27/08 11:15  | Received           | : 10/29/0 | 08 15:00   |                                       |          |           |       |
| Total Petroleum Hydrocarbons  | 4900                     | 20                 | mg/kg     | 1          |                                       | 11/05/08 | EPA 418.1 |       |
| #4 Surface (C810007-06) Soil  | Sampled: 10/27/08 11:20  | Received           | : 10/29/0 | 08 15:00   | ·<br>                                 |          |           |       |
| Total Petroleum Hydrocarbons  | 31000                    | 400                | mg/kg     | 20         | · · · · · · · · · · · · · · · · · · · | 11/05/08 | EPA 418.1 |       |

QC Officer Approval

Argon Laboratories, Inc.

email: info@argonlabs.com Page 5 of 9

Safety & Environmental Solutions, Inc.

Project Number: Oxy-07-015

703 E. Clinton Ave Hobbs, NM 88240 Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen

Work Order No.: C810007

## **ANALYSIS REPORT - Quality Control**

# Argon Laboratories

|                                 |        | Reporting |       | Spike      | Source    |             |     |       |
|---------------------------------|--------|-----------|-------|------------|-----------|-------------|-----|-------|
| Analyte                         | Result | Limit     | Units | Level      | Result    | %REC        | RPD | Notes |
| Batch CR00157 - General Prep    |        |           |       |            |           |             |     |       |
| Blank (CR00157-BLK1)            |        |           |       | Prepared a | & Analyze | d: 11/05/08 |     |       |
| Chloride                        | ND     | 10        | mg/kg |            |           |             |     |       |
| LCS (CR00157-BS1)               |        |           |       | Prepared a | & Analyze | d: 11/05/08 |     |       |
| Chloride                        | 4.50   |           | mg/kg | 5.00       |           | 90          |     |       |
| LCS Dup (CR00157-BSD1)          |        |           |       | Prepared & | & Analyze | d: 11/05/08 |     |       |
| Chloride                        | 4.65   |           | mg/kg | 5.00       |           | 93          | 3   |       |
| Matrix Spike (CR00157-MS1)      |        |           |       | Prepared & | & Analyze | d: 11/05/08 |     |       |
| Chloride                        | 4.25   |           | mg/kg | 5.00       |           | 85          |     |       |
| Matrix Spike Dup (CR00157-MSD1) |        |           |       | Prepared a | & Analyze | d: 11/05/08 |     |       |
| Chloride                        | 4.05   |           | mg/kg | 5.00       |           | 81          | 5   |       |

QC Officer Approval

Argon Laboratories, Inc.

2126 W. Mariand Ave., Hobbs, NM 88240 • Phone (505) 397-0295 • Fax (505) 397-0296

email: info@argonlabs.com

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Safety & Environmental Solutions, Inc.

Project Number: Oxy-07-015

703 E. Clinton Ave Hobbs, NM 88240 Project Name: Oxy Big Walt Battery

Work Order No.:

4 88240 Project Manager: Bob Allen

C810007

## BTEX EPA Method 8021B - Quality Control

# Argon Laboratories

| Analyte                           | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC         | RPD | Notes |
|-----------------------------------|--------|--------------------|-------|----------------|------------------|--------------|-----|-------|
| Batch CR00159 - EPA 5030B         |        |                    |       |                |                  | ·            |     |       |
| Blank (CR00159-BLK1)              |        |                    |       | Prepared &     | & Analyze        | d: 11/05/08  |     |       |
| Surrogate: a,a,a-Trifluorotoluene | 0.0475 |                    | mg/kg | 0.0500         |                  | 95           |     |       |
| Benzene                           | ND     | 0.005              | и     |                |                  |              |     |       |
| Toluene                           | ND     | 0.005              | U     |                |                  |              |     |       |
| Ethylbenzene                      | ND     | 0.005              | н     |                |                  |              |     |       |
| Xylenes (total)                   | ND     | 0.010              | n     |                |                  |              |     |       |
| LCS (CR00159-BS1)                 |        |                    |       | Prepared &     | & Analyze        | d: 11/05/08  |     |       |
| Benzene                           | 0.048  |                    | mg/kg | 0.0500         |                  | 96           |     |       |
| LCS Dup (CR00159-BSD1)            |        |                    |       | Prepared &     | & Analyze        | d: 11/05/08  |     |       |
| Benzene                           | 0.048  |                    | mg/kg | 0.0500         |                  | 96           | 0   |       |
| Matrix Spike (CR00159-MS1)        |        |                    |       | Prepared &     | & Analyze        | d: 11/05/08  |     |       |
| Toluene                           | 0.045  |                    | mg/kg | 0.0500         |                  | 90           |     |       |
| Matrix Spike Dup (CR00159-MSD1)   |        |                    |       | Prepared &     | & Analyze        | :d: 11/05/08 |     |       |
| Toluene                           | 0.043  |                    | mg/kg | 0.0500         | · ·              | 86           | 5   |       |

QC Officer Approval

Argon Laboratories, Inc.

Page 7 of 9

Safety & Environmental Solutions, Inc.

Project Number: Oxy-07-015

703 E. Clinton Ave

Project Name: Oxy Big Walt Battery

Hobbs, NM 88240

Project Manager: Bob Allen

Work Order No.:

C810007

# Total Recoverable Petroleum Hydrocarbons with Silica Gel Clean-Up by IR Spectrometry - Quality Control

# Argon Laboratories

| Analyte                         | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC         | RPD | Notes |
|---------------------------------|--------|--------------------|-------|----------------|------------------|--------------|-----|-------|
| Batch CR00158 - EPA 3550B       |        |                    |       |                |                  |              |     |       |
| Blank (CR00158-BLK1)            |        |                    |       | Prepared a     | & Analyze        | ed: 11/05/08 |     |       |
| Total Petroleum Hydrocarbons    | ND     | 20                 | mg/kg |                |                  |              |     |       |
| LCS (CR00158-BS1)               |        |                    |       | Prepared of    | & Analyze        | ed: 11/05/08 |     |       |
| Total Petroleum Hydrocarbons    | 117    |                    | mg/kg | 100            | <u>.</u> _       | 117          |     |       |
| LCS Dup (CR00158-BSD1)          |        |                    |       | Prepared a     | & Analyze        | ed: 11/05/08 |     |       |
| Total Petroleum Hydrocarbons    | 114    |                    | mg/kg | 100            |                  | 114          | 3   |       |
| Matrix Spike (CR00158-MS1)      |        |                    |       | Prepared &     | & Analyze        | ed: 11/05/08 |     |       |
| Total Petroleum Hydrocarbons    | 103    |                    | mg/kg | 100            |                  | 103          |     |       |
| Matrix Spike Dup (CR00158-MSD1) |        |                    |       | Prepared a     | & Analyze        | ed: 11/05/08 |     |       |
| Total Petroleum Hydrocarbons    | 107    |                    | mg/kg | 100            |                  | 107          | 4   |       |

QC Officer Approval

Argon Laboratories, Inc.

Page 8 of 9

Safety & Environmental Solutions, Inc.

88240

Project Number: Oxy-07-015

703 E. Clinton Ave

Hobbs, NM

Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen

Work Order No.:

C810007

## **Notes and Definitions**

Sample diluted due to high concentration of target analytes and/or high organic content.

Analyte DETECTED DET

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

Sample results reported on a dry weight basis

RPD Relative Percent Difference

QC Officer Approval

Argon Laboratories, Inc.

email: info@argonlabs.com Page 9 of 9

30 June 2008

Bob Allen Safety & Environmental Solutions, Inc. 703 E. Clinton Ave Hobbs, NM 88240

RE: Oxy Big Wall Battery Project Data

Enclosed are the results for sample(s) received on 06/18/08 15:30 by ArgoniLaboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,

Hiram Cueto:

Lab Manager

email: info@orgonlabs.com

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ACCISE OF BYEN

Argon Labs

# **Argon Laboratories Sample Receipt Checklist**

| Client Name:          | Safety & Env       | ronme      | ntal Solut | ions, In | с.          |          |             | Date      | & Time R           | eceived:    | 06   | 6/18/08       |       | 15:30                                 |
|-----------------------|--------------------|------------|------------|----------|-------------|----------|-------------|-----------|--------------------|-------------|------|---------------|-------|---------------------------------------|
| Project Name:         | Oxy Big Walt       | Battery    |            |          |             |          |             | Clier     | nt Project         | Number:     |      | OXY-          | 07-01 | 5                                     |
| Received By:          | J.E.               |            |            | Matr     | ix:         | Water    |             | Soil      | V                  |             | Slud | ge            |       |                                       |
| Sample Carrier:       | Client [           | Lat        | oratory    | V        | Fed Ex      |          | UPS         |           | Other              |             |      |               |       |                                       |
| Argon Labs Project    | Number:            | <u>C80</u> | 6012       |          |             |          |             |           |                    |             |      |               |       |                                       |
| Shipper Container in  | good condition?    |            |            |          |             | Sample   | s received  | d in prop | er contain         | ers?        | Yes  | V             | No    |                                       |
|                       | N/A                | Yes        | V          | No       |             | Sample   | s received  | d intact? | •                  |             | Yes  | 7             | No    |                                       |
| Samples received un   | der refrigeration  | ? Yes      | 7          | No       |             | Sufficie | nt sample   | volume    | for reques         | ted tests?  | Yes  | V             | No    |                                       |
| Chain of custody pres | sent?              | Yes        | 7          | No       |             | Sample   | s received  | d within  | holding tim        | ie?         | Yes  | V             | No    |                                       |
| Chain of Custody sign | ned by all parties | s? Yes     | V          | No       |             | Do sam   | ples conta  | ain prop  | er preserva<br>N/A | ative?      | Yes  |               | No    |                                       |
| Chain of Custody mai  | tches all sample   | labels?    | •          |          |             | Do VOA   | vials conta | in zero h | eadspace?          | ÷           |      |               |       |                                       |
|                       |                    | Yes        | 7          | No       |             |          |             | (None     | submitted          | ☑)          | Yes  |               | No    |                                       |
|                       | ANY                | "No" R     | ESPONS     | E MUST   | BE DETA     | VILED IN | THE CO      | MMENT     | S SECTIO           | N BELOW     | i    |               |       |                                       |
|                       |                    |            |            |          |             |          |             |           |                    |             |      | ~ <del></del> |       |                                       |
| Date Client Contac    | ted:               |            |            |          | Pe          | rson Co  | ntacted:    |           |                    | <del></del> |      | ·             |       |                                       |
| Contacted By:         |                    |            |            | -        | Subject     |          |             |           |                    |             |      |               |       |                                       |
| Comments:             |                    |            |            |          |             |          |             | <u>.</u>  |                    |             |      |               |       |                                       |
|                       |                    |            |            |          |             |          |             |           |                    |             |      |               |       |                                       |
|                       | <del></del>        |            |            |          |             |          |             |           |                    |             |      |               |       |                                       |
| Action Taken:         |                    |            |            |          | <del></del> |          |             |           |                    | ··_ ·       |      |               |       | · · · · · · · · · · · · · · · · · · · |
| Action rancii.        |                    |            |            |          |             |          |             |           |                    |             |      |               |       |                                       |
|                       |                    |            |            |          |             |          |             |           |                    |             |      |               |       |                                       |
|                       |                    | ٠          |            |          |             |          |             |           |                    |             |      |               |       |                                       |
|                       |                    |            |            | ADDITIO  | NAL TES     | T(S) RE  | QUEST /     | OTHER     |                    |             |      |               |       |                                       |
| Contacted By:         |                    |            |            |          | <b></b>     | D        | ate:        |           |                    |             | Time | 9:            |       | <del></del>                           |
| Call Received By:     |                    |            |            |          | _           |          |             |           |                    |             |      |               |       |                                       |
| Comments:             |                    |            |            |          |             |          | <del></del> |           |                    |             |      |               |       | · <del>-</del>                        |
|                       |                    |            |            |          |             |          |             |           |                    |             |      |               |       |                                       |
|                       |                    |            |            |          |             |          |             |           |                    |             |      |               |       |                                       |
|                       | <del></del>        |            |            |          |             |          |             |           |                    |             |      |               |       |                                       |







**EIGON laboratories** 2126 W. Marland Ave., Hobbs, NM 88240 (505)397-0295 Fax (505)397-0296

Safety & Environmental Solutions, Inc.

703 E. Clinton Ave

Hobbs, NM 88240

Project Number: Oxy-07-015

Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen



Work Order No.:

C806012

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID  | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|------------|---------------|--------|----------------|----------------|
| #1 Surface | C806012-01    | Soil   | 06/18/08 11:30 | 06/18/08 15:30 |
| #2 Surface | C806012-02    | Soil   | 06/18/08 11:40 | 06/18/08 15:30 |
| #3 Surface | C806012-03    | Soil   | 06/18/08 11:50 | 06/18/08 15:30 |
| #4 Surface | C806012-04    | Soil   | 06/18/08 12:00 | 06/18/08 15:30 |

Approved By

Argon Laboratories, Inc.

QC Officer

## ETSON | **ADOPATOTIES** 2126 W. Marland Ave., Hobbs, NM 88240 (505)397-0295 Fax (505)397-0296

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Work Order No.:

C806012

### ANALYSIS REPORT

| Analyte                      | Result                     | Reporting<br>Limit | Units   | Dilution | Analyzed | Method    | Notes    |
|------------------------------|----------------------------|--------------------|---------|----------|----------|-----------|----------|
| #1 Surface (C806012-01) Soil | Sampled: 06/18/08 11:30 Re | eceived: 06/18/0   | 8 15:30 |          |          |           |          |
| Chloride                     | 74                         | 10                 | mg/kg   | 1        | 06/26/08 | EPA 300.0 |          |
| #2 Surface (C806012-02) Soil | Sampled: 06/18/08 11:40 Re | eceived: 06/18/08  | 8 15:30 |          |          |           |          |
| Chloride                     | 100                        | 10                 | mg/kg   | ı        | 06/26/08 | EPA 300.0 | <u> </u> |
| #3 Surface (C806012-03) Soil | Sampled: 06/18/08 11:50 Re | eceived: 06/18/08  | 8 15:30 |          |          |           |          |
| Chloride                     | 260                        | 20                 | mg/kg   | 2        | 06/26/08 | EPA 300.0 |          |
| #4 Surface (C806012-04) Soil | Sampled: 06/18/08 12:00 Re | ceived: 06/18/0    | 8 15:30 |          |          |           |          |
| Chloride                     | 170                        | 20                 | mg/kg   | 2        | 06/26/08 | EPA 300.0 |          |

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703 E. Clinton Ave

Hobbs, NM 88240

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Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen

Work Order No.:

C806012

### BTEX EPA Method 8021B

| Analyte                      | Result                      | Reporting<br>Limit | Units   | Dilution  | Angly    | Method   | Notes                                 |
|------------------------------|-----------------------------|--------------------|---------|-----------|----------|----------|---------------------------------------|
| <u> </u>                     |                             |                    |         | Direction | Analyzed | ivietnou | notes                                 |
| #1 Surface (C806012-01) Soil | Sampled: 06/18/08 11:30 Rec | eived: 06/18/08    | 3 15:30 |           |          |          |                                       |
| Benzene                      | ND                          | 0.005              | mg/kg   | 1         | 06/25/08 | 8021B    |                                       |
| Toluene                      | ND                          | 0.005              | "       | v         | 11       | **       |                                       |
| Ethylbenzene                 | · ND                        | 0.005              |         | u         | n        |          |                                       |
| Xylenes (total)              | ND                          | 0.010              | *       | 91        | **       | u        |                                       |
| Surr. Rec.:                  |                             | 91 %               |         |           | "        | "        |                                       |
| #2 Surface (C806012-02) Soil | Sampled: 06/18/08 11:40 Rec | eived: 06/18/08    | 3 15:30 |           |          |          |                                       |
| Benzene                      | . ND                        | 0.005              | mg/kg   | 1         | 06/25/08 | 8021B    |                                       |
| Toluene                      | ND                          | 0.005              | **      | *         | n        | "        |                                       |
| Ethylbenzene                 | ND                          | 0.005              | "       | 11        | n        | *        |                                       |
| Xylenes (total)              | ND                          | 0.010              | n       | u .       | "        | "        |                                       |
| Surr. Rec.:                  |                             | 86 %               |         |           | п        | "        |                                       |
| #3 Surface (C806012-03) Soil | Sampled: 06/18/08 11:50 Rec | eived: 06/18/08    | 3 15:30 |           |          |          | _                                     |
| Benzene                      | ND                          | 0.005              | mg/kg   | 1         | 06/25/08 | 8021B    |                                       |
| Toluene                      | ND                          | 0.005              | •       | "         | u u      | ď        |                                       |
| Ethylbenzene                 | ND                          | 0.005              | **      | "         | н        | •        |                                       |
| Xylenes (total)              | ND                          | 0.010              | "       | II        | ,,       | u        |                                       |
| Surr. Rec.:                  |                             | 83 %               |         |           | "        | 11       |                                       |
| #4 Surface (C806012-04) Soil | Sampled: 06/18/08 12:00 Rec | eived: 06/18/0     | 8 15:30 |           |          |          |                                       |
| Benzene                      | ND                          | 0.005              | mg/kg   | 1         | 06/25/08 | 8021B    |                                       |
| Toluene                      | ND                          | 0.005              | п       | 1)        | n        | **       |                                       |
| Ethylbenzene                 | ND                          | 0.005              | u       | и         | IF       | 'n       |                                       |
| Xylenes (total)              | ND                          | 0.010              | 11      | u         | lt.      | n        |                                       |
| Surr. Rec.:                  |                             | 97 %               |         |           | r        | <i>n</i> | , , , , , , , , , , , , , , , , , , , |

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703 E. Clinton Ave Hobbs, NM 88240 Project Number: Oxy-07-015

Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen

Work Order No.:

C806012

### Total Recoverable Petroleum Hydrocarbons with Silica Gel Clean-Up by IR Spectrometry

| Analyte                               | Result               | Reporting<br>Limit | Units   | Dilution | Analyzed     | Method                                 | Notes |
|---------------------------------------|----------------------|--------------------|---------|----------|--------------|--|-------|
| #1 Surface (C806012-01) Soil Sampled: | 06/18/08 11:30 Recei | ived: 06/18/08     | 3 15:30 |          | <br>         | ······································ |       |
| Total Petroleum Hydrocarbons          | 47000                | 1000               | mg/kg   | 50       | <br>06/26/08 | EPA 418.1                              |       |
| #2 Surface (C806012-02) Soil Sampled: | 06/18/08 11:40 Recei | ived: 06/18/08     | 3 15:30 |          |              |  |       |
| Total Petroleum Hydrocarbons          | 44000                | 1000               | mg/kg   | 50       | <br>06/26/08 | EPA 418.1                              |       |
| #3 Surface (C806012-03) Soil Sampled: | 06/18/08 11:50 Recei | ived: 06/18/08     | 3 15:30 |          | <br>_        |  |       |
| Total Petroleum Hydrocarbons          | 31000                | 400                | mg/kg   | 20       | <br>06/26/08 | EPA 418.1                              |       |
| #4 Surface (C806012-04) Soil Sampled: | 06/18/08 12:00 Recei | ived: 06/18/08     | 3 15:30 |          |              |  |       |
| Total Petroleum Hydrocarbons          | 26000                | 400                | mg/kg   | 20       | 06/26/08     | EPA 418.1                              |       |
|                                       |                      |                    |         |          |              |  |       |

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# argentatories 2126 W. Marland Ave., Hobbs, NM 88240 (505)397-0295 Fax (505)397-0296

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Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen

Work Order No.:

C806012

### **ANALYSIS REPORT - Quality Control**

### **Argon Laboratories**

| Angles                          | Danis.  | Reporting | I Imien | Spike      | Source     | 9/BEC      | DDD | Notes |
|---------------------------------|---------|-----------|---------|------------|------------|------------|-----|-------|
| Analyte                         | Result  | Limit     | Units   | Level      | Result     | %REC       | RPD | Notes |
| Batch CR00096 - General Prep    | <u></u> |           |         |            |            |            |     |       |
| Blank (CR00096-BLK1)            |         |           |         | Prepared & | k Analyzed | : 06/26/08 |     |       |
| Chloride                        | ND      | 10        | mg/kg   |            |            |            |     |       |
| LCS (CR00096-BS1)               |         |           |         | Prepared & | k Analyzed | : 06/26/08 |     |       |
| Chloride                        | 5.00    |           | mg/kg   | 5,00       |            | 100        |     |       |
| LCS Dup (CR00096-BSD1)          |         |           |         | Prepared & | Analyzed   | : 06/26/08 |     |       |
| Chloride                        | 5,55    |           | mg/kg   | 5.00       |            | 111        | 10  |       |
| Matrix Spike (CR00096-MS1)      |         |           |         | Prepared & | k Analyzed | : 06/26/08 |     |       |
| Chloride                        | 4.85    |           | mg/kg   | 5.00       |            | 97         |     |       |
| Matrix Spike Dup (CR00096-MSD1) |         |           |         | Prepared & | k Analyzed | : 06/26/08 |     |       |
| Chloride                        | 4.95    |           | mg/kg   | 5.00       |            | 99         | 2   |       |

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Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen

Work Order No.:

C806012

### BTEX EPA Method 8021B - Quality Control

### **Argon Laboratories**

| Analyte                           | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC     | RPD  | Notes |
|-----------------------------------|--------|--------------------|-------|----------------|------------------|----------|------|-------|
| Batch: CR00097 - EPA 5030B        |        |                    |       |                |                  | , welle  | 10.0 |       |
| Blank (CR00097-BLK1)              |        |                    |       | Prepared &     | : Analyzed:      | 06/25/08 |      |       |
| Surrogate: a,a,a-Trifluorotoluene | 0.0430 |                    | mg/kg | 0.0500         |                  | 86       |      |       |
| Benzene                           | ND     | 0.005              | **    |                |                  |          |      |       |
| Toluene                           | ND     | 0.005              | 11    |                |                  |          |      |       |
| Ethylbenzene                      | ND     | 0.005              |       |                |                  |          |      |       |
| Xylenes (total) - 81              | ND     | 0.010              |       |                |                  |          |      |       |
| LCS (CR00097-BS1)                 |        |                    |       | Prepared &     | : Analyzed:      | 06/25/08 |      |       |
| Toluene .                         | 0.043  |                    | mg/kg | 0.0500         |                  | 86       |      |       |
| LCS Dup (CR00097-BSD1)            |        |                    |       | Prepared &     | : Analyzed:      | 06/25/08 |      |       |
| Toluene                           | 0.041  |                    | mg/kg | 0.0500         |                  | 82       | 5    |       |
| Matrix Spike (CR00097-MS1)        |        |                    |       | Prepared &     | : Analyzed:      | 06/25/08 |      |       |
| Benzene                           | 0.051  |                    | mg/kg | 0.0500         |                  | 102      |      |       |
| Matrix Spike Dup (CR00097-MSD1)   |        |                    |       | Prepared &     | : Analyzed:      | 06/25/08 |      |       |
| Benzene                           | 0,043  |                    | mg/kg | 0.0500         |                  | 86       | 17   |       |

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703 E. Clinton Ave Hobbs, NM 88240 Project Number: Oxy-07-015

Project Name: Oxy Big Walt Battery

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#### **Notes and Definitions**

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

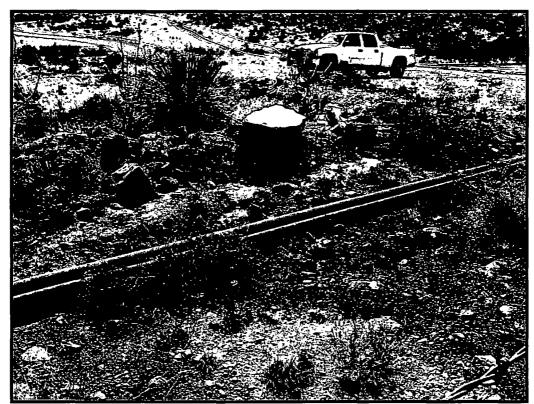
dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Approved By

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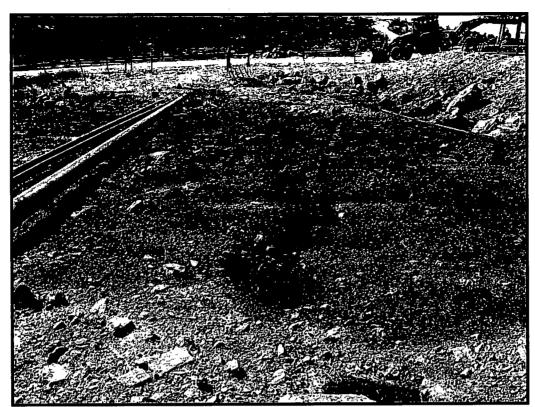
Appendix B Site Photos



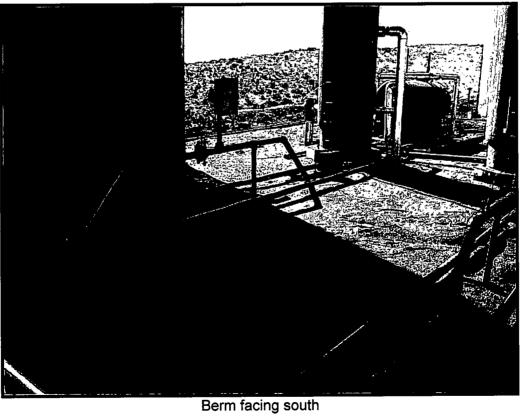
Top of hill facing south



Inside fenced area below berm facing south

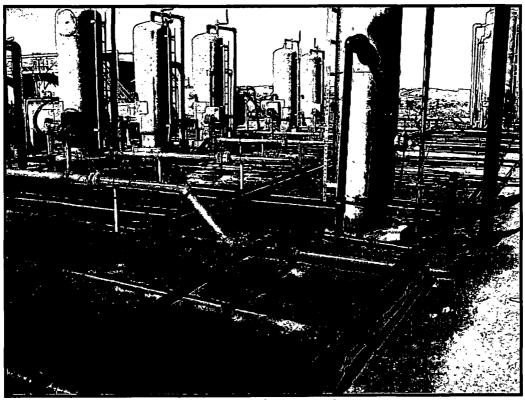


Inside fenced area below berm facing south





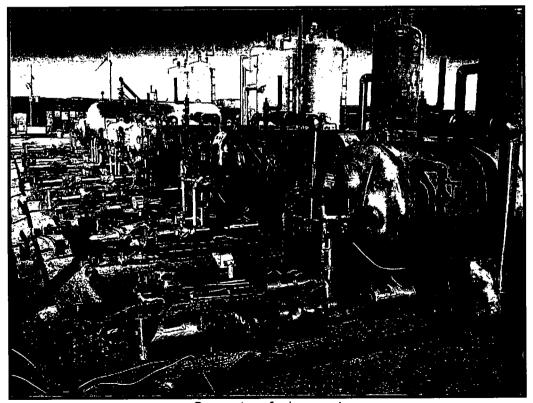
Seperators facing south



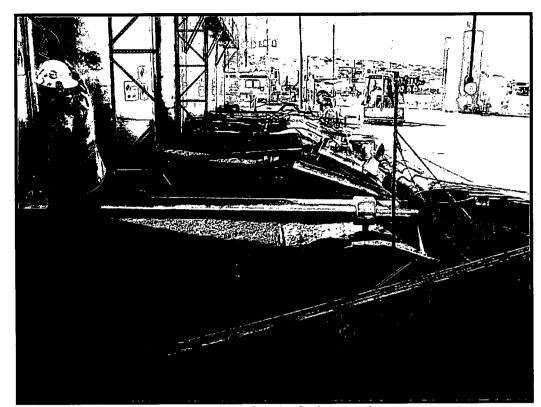
Seperators facing south



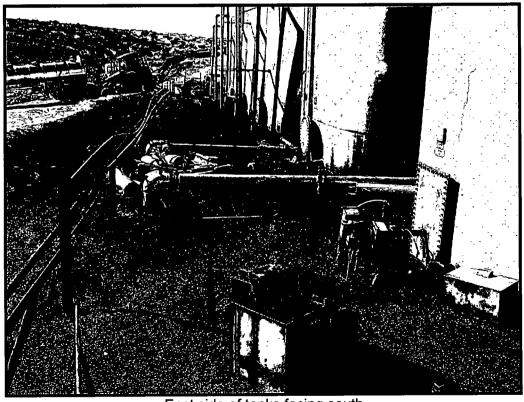
Seperators



Seperators facing west



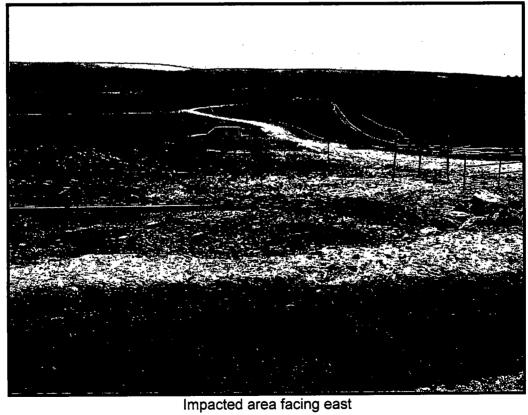
West side of tanks facing south



East side of tanks facing south



Gun barrel facing north

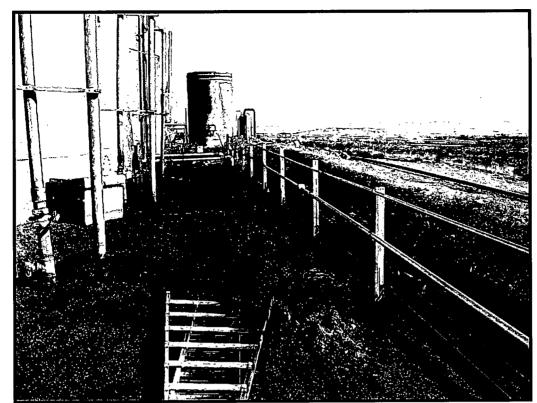




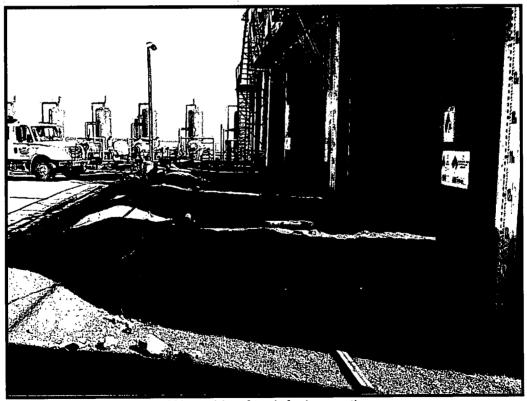
Impacted area facing east



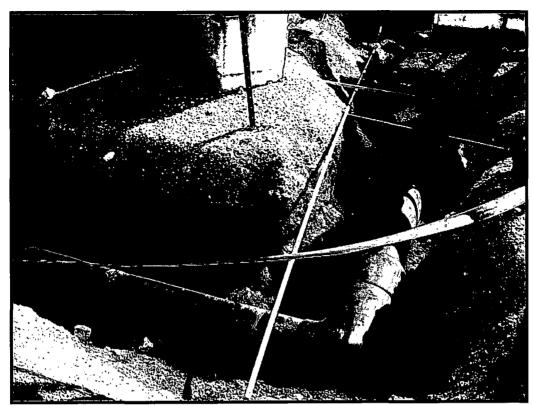
East side of tank berm



East side of tank area facing north



West side of tank facing north



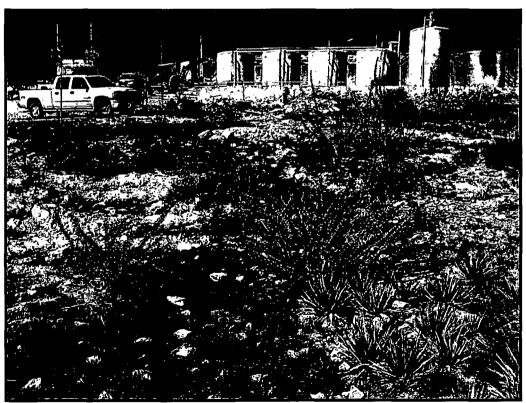
South of tank were line broke



Pasture



Pasture



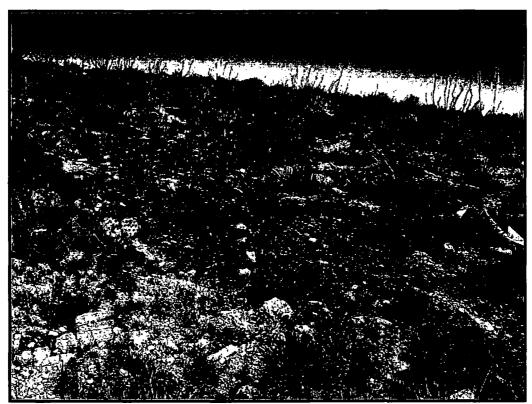
Pasture facing west



Pasture facing west



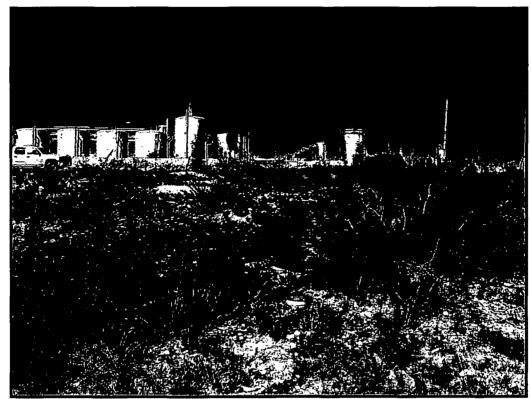
Pasture facing west



Pasture facing north



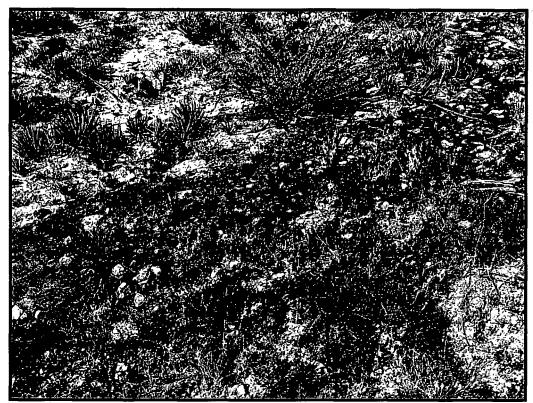
Pasture facing east



Pasture facing west



Pasture facing west



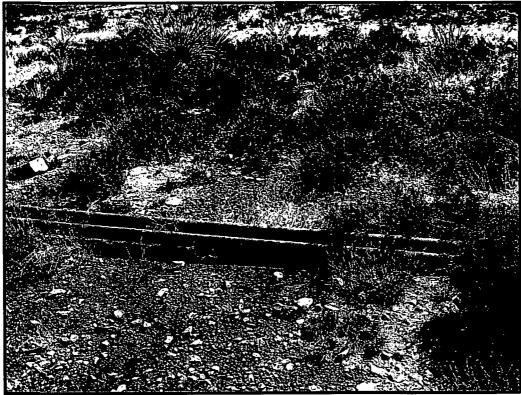
Pasture



Pasture



Roadway facing west



Pasture



Pasture after micro-blaze



Pasture after micro-blaze facing west



Pasture after micro-blaze facing east



Pasture after micro-blaze facing southeast



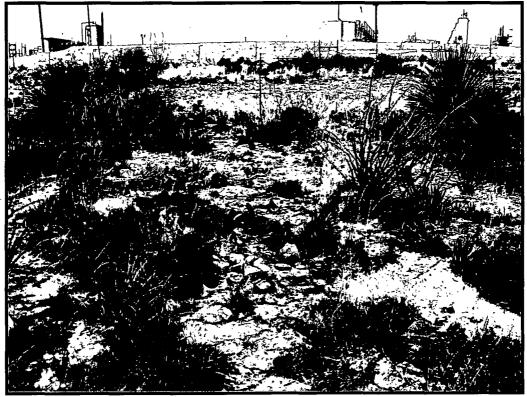
Pasture after micro-blaze facing est



Pasture



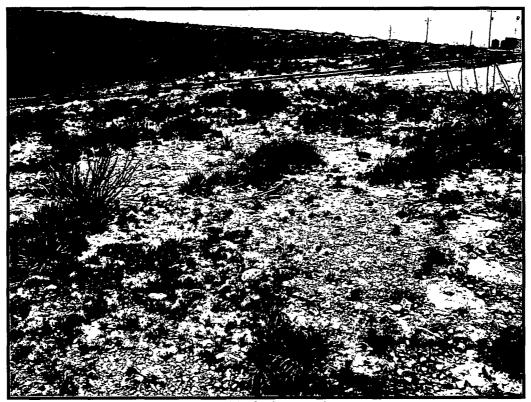
Hillside facing east



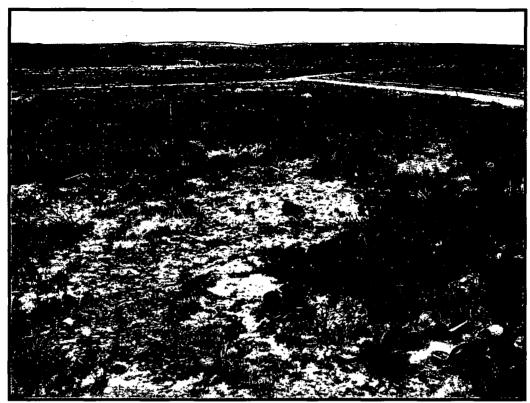
Hillside facing west



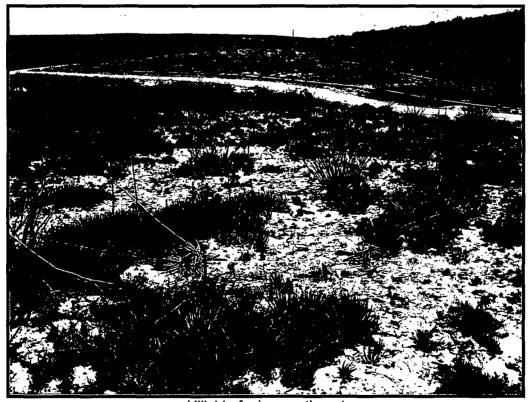
Hillside



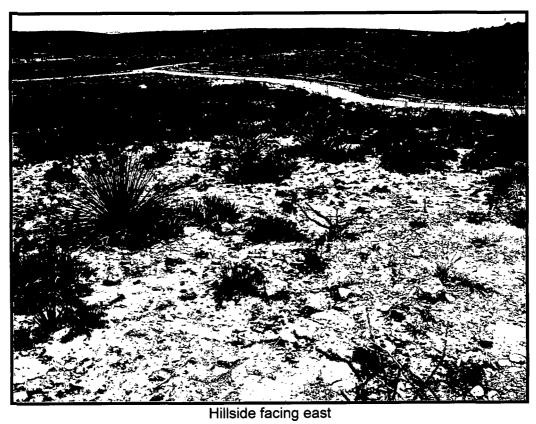
Hillside facing south



Hillside facing east

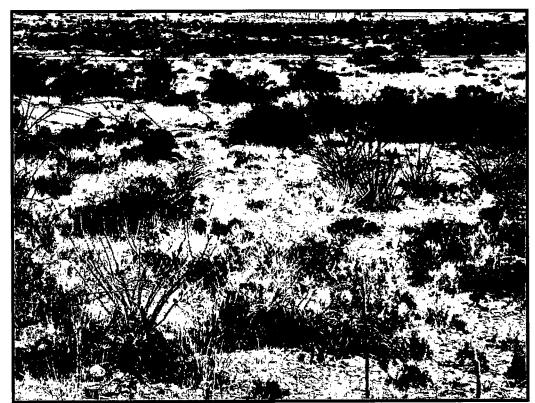


Hillside facing southeast





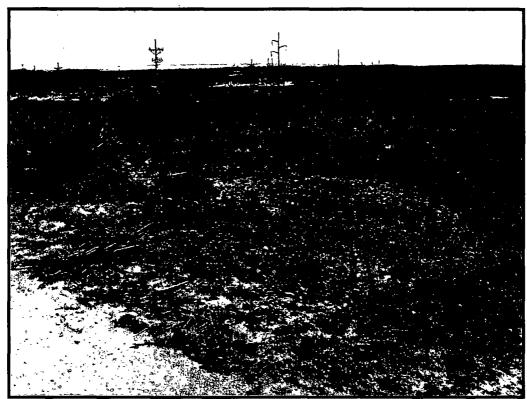
Hillside facing northeast



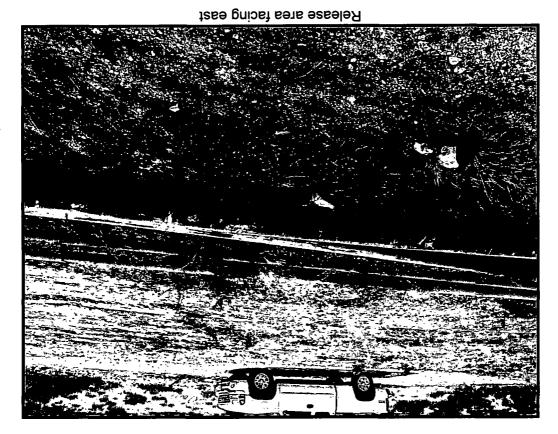
Hillside facing east



Release area facing west



Release area east side of road facing northeast



Release area facing southwest

