

November 17, 2005



Ms. Rebecca J. Smith
Mine Safety & Health Administration
Office of Standards, Regulations
and Variances
1100 Wilson Boulevard, Suite 2350
Arlington, VA 22209-3939

RE:

Correction of Inaccurate Statements

Made by Dr. Castleman at the October

20, 2005 Hearing on Asbestos Exposure
Limits

Dear Ms. Smith:

Dr. Castleman made inaccurate allegations concerning Virginia Vermiculite's, LLC (VVL) operations and data. I am herewith responding to Dr. Castleman's statements.

1. Dr. Castleman Alleges That MSHA Air Sampling Followed "Poor Methodology" and [Consequently] Yielded Negative Results

There is no evidence that poor MSHA air sampling results in improper "negative findings" either in the past or currently. In fact, the Office of Inspector General's (OIG) report 2E-06-620-0002 (March 22, 2001) offers no scientific support for the assertion that historic MSHA methodologies were not sufficient to detect fibers at VVL or the other 40 operations tested for the OIG report. In fact none of the tests using a proposed alternate methodology (TEM) showed higher readings than the MSHA methodology.

2. Dr. Castleman's Allegation That Workers at This Site Were Reported as Having Asbestos Exposure Five Years Ago is False if it Implies Any Exposure Standard was Violated.

Dr. Castleman does not reference who reported the alleged exposures, what the alleged exposures were, or what level he considers an exposure. The U.S. Department of Health and Human Services, Public Health Service, Agency for Toxic Substances and Disease Registry report entitled "Toxicology Profile for Asbestos" (updated September 2001) states that "asbestos minerals are widespread in the environment" and "low levels of asbestos that present little, if any, risk to your health can be detected in almost any air sample". Dr. Castleman should have provided the supporting information for this allegation. In fact the below-listed data contradict Dr. Castleman's allegation:

• The historic and current MSHA tests using MSHA methodology shows MSHA compliance at VVL.

- Further in March 2000, VVL employed OSHA's monitoring methodology using an independent EPA/OSHA certified asbestos consultant to conduct a "negative exposure assessment" pursuant to OSHA's 29 CFR Part 1926.1101(f) to determine if any VVL worker was exposed above OSHA's regulatory levels. No employees were exposed. These tests utilized the levels and methodology now being proposed by MSHA in the subject regulation.
- In the same series of tests above, VVL conducted area tests to determine if the mining activities caused any violation/impact pursuant to EPA's NESHAP (40 CFR 61 Subpart M) regulations with respect to ambient air pollution. No asbestos impact was found.
- EPA in December 2000 tested nearby homes, waste piles, along roads, and "representative" dust and road samples for asbestos. These results were non-detect for asbestos.
- VVL conducts routine air sampling of its workers using independent certified labs to analyze the results. VVL tests show compliance with both current MSHA and OSHA asbestos exposure regulations. VVL tests its mined raw pre-processed ore, its finished ore that is sold to vermiculite users and its rejected rock streams for asbestos using a method that can detect as little as 0.001% of asbestos. All samples have been non-detectable. These results through the first quarter of 2002 were reported to MSHA in Appendix 1 of John Stamberg's testimony on June 20, 2002, for this regulation. Subsequent results (2Q02 to 2Q2005) are in Appendix A of this submission.

3. Dr. Castleman's Allegation That "This" Was Well Known to Top Officials at MSHA

Dr. Castleman may be referring to top level MSHA officials releasing or leaking premature and inaccurate results to the <u>Seattle Post Intelligencer</u> in August/September 2000. In this incident, inaccurate information was released by an MSHA official. This issue was discussed in John Stamberg's June 20, 2002 testimony report on this regulation.¹

VVL had world-recognized asbestos analysis expert, John Addison, look into the leaked information. He was told that the results were negative when analyzed by OSHA's Dr. Dan Crane using the accepted OSHA procedure. This procedure is identical to the one stipulated in this rulemaking. At that point in time, and for many years prior to this date, Dr. Crane's OSHA lab was analyzing all MSHA samples for asbestos. Dr. Crane also informed Mr. Addison that these leaked and inaccurate results were obtained as a result of specific and improper instructions from a high ranking MSHA official. The MSHA official required the application of counting procedures that were in clear violation of accepted scientific protocols. Celeste Montforton, then an MSHA official, was known to have visited Dr. Crane at his lab in this period.

2

¹ Stamberg, John B. P.E., "Testimony Pursuant to Mine Safety and Health Administration on 'Advanced Notice of Proposed Rulemaking for Measuring and Controlling Asbestos Exposure" prepared for the Public Meeting at the Holiday Inn, Charlottesville, VA (June 20, 2002).

If you have any questions or need any more data or reports concerning this matter please feel free to contact me.

Sincerely,

Ned K. Gumble General Manager

Enclosures

Appendix A

ASBESTOS TEST RESULTS

(2nd Qtr 2002 to Present)

If you have any questions or need any more data or reports concerning this matter please feel free to contact me. Attached is a copy of my Virginia asbestos licenses as an Asbestos Inspector and Asbestos Management Planner.

Sincerely,

John B. Stamberg, P.E.

11/15/05

Vice President Europy Ventures analyses for

Enclosures

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION COMMONWEALTH OF VIRGINIA

EXPIRES ON 01-31-2006

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JOHN STAMBERG

PO BOX 379 BARNESVILLE, MD 20838 Juice Ware

Louise F. Ware, Director

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Appendix A

ASBESTOS TEST RESULTS (2nd Qtr 2002 to Present)





Client Details:

Energy Ventures Analysis Inc, 1901 N. Moore Street,

Suite 1200, Arlington, Virginia, 22209-1706

Contract No.

06345-2

Requested By:

John B. Stamberg

Date Samples Rec'd: 01/11/05

Project No:

610

Date of Analysis:

01/11/05

Date of Issue:

03/11/05

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG248. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|------------|-----------------------|--------------------------------|--------------------------|
| | | VERMICULITE SAMPLE | |
| R27638 | | VVL - QT3 - 345 - 2005 | NONE DETECTED |
| | | VVL3dQuarba Product 2005 | |
| No. (| of Samples: | ONE | |

IOM Consulting accepts responsibility only for results obtained from samples as received. No responsibility is accepted for errors, which may have arisen during sampling or transportation of samples by external clients.

Authorised by: Store Clark

S Clark

Mineralogy Section Manager

Sheet 1 of 1

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y Ventures Analysis Inc, 1901 N. Moore Street, 1200, Arlington, Virginia, 22209-1706

Contract No.

06345-1

3. Stamberg

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Project No:

610

Date of Issue:

03/11/05

e been analysed qualitatively for asbestos by polarised light and dispersion lth and Safety Executive in HSG248. The results are given below:

| Sample Details | Asbestos Type(s) Present |
|-------------------|---------------------------|
| VIICULITE SAMPLE | |
| - QT3 - F - 2005 | NONE DETECTED |
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| IVL 3d Quarter | |
| T- eed | |
| 2005 | |
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Sheet 1 of 1

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Contract No.

06345-5

Project No:

610

Date of Issue:

03/11/05

by polarised light and dispersion results are given below:

| | Asbestos Type(s) | | |
|---|--|--|--|
| | Present | | |
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| - | NONE DETECTED | | |
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Client Details:

Energy Ventures Analysis Inc, 1901 N. Moore Street,

Suite 1200, Arlington, Virginia, 22209-1706

Contract No.

06345-6

Requested By:

John B. Stamberg

01/11/05

Project No:

610

Date of Analysis:

Date Samples Rec'd:

01/11/05

Date of Issue:

03/11/05

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG248. The results are given below:

| IOM | Clients | Sample Details | Asbestos Type(s) |
|--|-------------|----------------------------|--|
| No. | Sample No. | | Present |
| | | VERMICULITE SAMPLE | ************************************** |
| R27642 | | VVL - QT3 - TRL/STG - 2005 | NONE DETECTED |
| | | | |
| | | VUL | |
| Organization and American Control of the Control of | | Jarge 3 Small | |
| n de control de contro | | Timbler Rock | |
| | | 3ª Quarler 2005 | |
| | | 2005 | |
| No. 4 | of Samples: | ONE | |

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Mineralogy Section Manager

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Client Details:

Energy Ventures Analysis Inc, 1901 n. Moore Street,

Suite 1200, Arlington, Virginia, 22209-1706

Contract No.

05712-5

Requested By:

John B. Stamberg

Date Samples Rec'd: 04/08/05

Project No:

610

Date of Analysis:

04/08/05

Date of Issue:

08/08/05

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG248. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|--|--|--------------------|--------------------------|
| | | VERMICULITE SAMPLE | |
| R24669 | and the second of the second o | VVL-QT2-F-2005 | NONE DETECTED |
| | | | |
| , | | IVVL | |
| | | 2nd Quarter | |
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| ногосностического поставления поста | | [-eed | |
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| | | 2005 | |
| No. o | f Samples: | 2005 ONE | |

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Mineralogy Section Manager

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Client Details:

Energy Ventures Analysis Inc, 1901 n. Moore Street,

Suite 1200, Arlington, Virginia, 22209-1706

Contract No.

05712-6

Requested By:

John B. Stamberg

04/08/05

Project No:

610

Date of Analysis:

Date Samples Rec'd:

04/08/05

Date of Issue:

08/08/05

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG248. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|------------|-----------------------|-------------------------------------|--------------------------|
| R24670 | | VERMICULITE SAMPLE VVL-QT2-345-2005 | NONE DETECTED |
| | . ' | VUL | |
| | | 2 vd Queiler | • |
| | | VVL 2 ved Queiler Product | |
| | | 2.005 | |
| | | | |

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Client Details:

Energy Ventures Analysis Inc, 1901 N. Moore Street,

Suite 1200, Arlington, Virginia, 22209-1706

Contract No.

06345-7

Requested By:

John B. Stamberg

Date Samples Rec'd: 01/11/05

Project No:

610

Date of Analysis:

01/11/05

Date of Issue:

03/11/05

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG248. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|--|--------------------|-----------------------|--|
| | | VERMICULITE SAMPLE | Announce and the second |
| R27643 | | VVL - QT1 - F - 2005R | NONE DETECTED |
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Mineralogy Section Manager

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Client Details:

Energy Ventures Analysis Inc, 1901 n. Moore Street,

Suite 1200, Arlington, Virginia, 22209-1706

Contract No.

05712-2

Requested By:

John B. Stamberg

04/08/05

Project No:

610

Date Samples Rec'd: Date of Analysis:

04/08/05

Date of Issue:

08/08/05

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG248. The results are given below:

| IOM | Clients | Sample Details | Asbestos Type(s) |
|--|------------|---------------------------------|------------------|
| No. | Sample No. | | Present |
| | | VERMICULITE SAMPLE | |
| R24666 | | VVL-QT1-345-2005 | NONE DETECTED |
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| | | I VVL | |
| | | VVL 1st aucuter Product 2005 | |
| *************************************** | | 2005 | ı ' |
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| No. o | f Samples: | ONE | |

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Client Details:

Energy Ventures Analysis Inc, 1901 n. Moore Street,

Suite 1200, Arlington, Virginia, 22209-1706

Contract No.

05712-10

Requested By:

John B. Stamberg

Date Samples Rec'd: 04/08/05

Project No:

610

Date of Analysis:

04/08/05

Date of Issue:

08/08/05

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG248. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|------------|-----------------------|---|--------------------------|
| | <u> </u> | VERMICULITE SAMPLE | |
| R24674 | | VVL-QT1-RS-2005 | NONE DETECTED |
| | | VVL Roller Screen Rock 121 Quarter 2005 | |
| No. o | f Samples: | ONE | |

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S Clark

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Client Details:

Energy Ventures Analysis Inc, 1901 n. Moore Street,

Suite 1200, Arlington, Virginia, 22209-1706

Contract No.

05712-9

Requested By:

John B. Stamberg

Date Samples Rec'd: 04/08

04/08/05

Project No:

610

Date of Analysis:

04/08/05

Date of Issue:

08/08/05

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG248. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|------------|-----------------------|---------------------------|--------------------------|
| | | VERMICULITE SAMPLE | |
| R24673 | | VVL-QT1-TRL-2005 | NONE DETECTED |
| | | VVL Tumbler Rock Jurge | |
| · · | | 121 Quarles 2005 | |
| - | f Samples: | ONE | |

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Authorised by: Stowe Clearly

S Clark

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Client Details:

Energy Ventures Analysis Inc, 1901 n. Moore Street,

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Contract No.

05712-11

Requested By:

John B. Stamberg

Date Samples Rec'd: 04/08/05

Project No:

610

Date of Analysis:

04/08/05

Date of Issue:

08/08/05

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG248. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|------------|-----------------------|--|--------------------------|
| | | VERMICULITE SAMPLE | |
| R24675 | | VVL-QT1-STR-2005 | NONE DETECTED |
| | | VVL Smæll Tumbla Rock 1st Quarter 2005 | (~4 mesle) |
| No. o | of Samples: | ONE | |

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Client Details:

Energy Ventures Analysis Inc, 1901 n. Moore Street,

Suite 1200, Arlington, Virginia, 22209-1706

Contract No.

04291-5

Requested By:

J.B. Stamberg

Date Samples Rec'd:

16/02/05

Project No:

610

Date of Analysis:

17/02/05

Date of Issue:

17/02/05

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM | Clients | Sample Details | Asbestos Type(s) |
|--------|-------------|-------------------------------|------------------|
| No. | Sample No. | | Present |
| | | VERMICULITE SAMPLE | : |
| R17588 | | VVL-QT4-F-2004 | NONE DETECTED |
| | | VVL feed 4 in Quarter 2004 | |
| No. o | of Samples: | ONE | |

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S Clark

Mineralogy Section Manager

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Client Details:

Energy Ventures Analysis Inc, 1901 n. Moore Street,

Suite 1200, Arlington, Virginia, 22209-1706

Contract No.

04291-6

Requested By:

J.B. Stamberg

Date Samples Rec'd:

16/02/05

Project No:

610

Date of Analysis:

17/02/05

Date of Issue:

17/02/05

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM | Clients | Sample Details | Asbestos Type(s) |
|--------|-------------|-------------------------------------|------------------|
| No. | Sample No. | | Present |
| R17589 | | VERMICULITE SAMPLE VVL-QT4-345-2004 | NONE DETECTED |
| | | VVL product 4th Quarter 2004 | |
| | | | |
| No. o | of Samples: | ONE | |

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Authorised by: Steve clark

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Contract No.

04291-10

Requested By:

J.B. Stamberg

Date Samples Rec'd:

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Project No:

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Date of Analysis:

17/02/05

Date of Issue:

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| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|------------|-----------------------|---------------------------------------|--------------------------|
| | | VERMICULITE SAMPLE | |
| R17593 | | VVL-QT4-RS-2004 | NONE DETECTED |
| | | | |
| | | VVL | |
| | | Rolla Screen Rock | |
| | | Rolla Screen Rock 4th Quarter 2004 | |
| | | | |
| | | | |
| No. | of Samples: | ONE | |

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Contract No.

04291-9

Requested By:

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Date Samples Rec'd:

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Project No:

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Date of Analysis:

17/02/05

Date of Issue:

17/02/05

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| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|------------|-----------------------|--|--------------------------|
| R17592 | • | VERMICULITE SAMPLE VVL-QT4-TRL-2004 | NONE DETECTED |
| | | VVL Tumbler Rock Jarge (1/2 x4 m | resh) |
| | | 4th Quarter 2004 | |
| No. o | of Samples: | ONE | |

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Mineralogy Section Manager

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| IOM | Clients | Sample Details | Asbestos Type(s) |
|--------|-------------|-------------------------|------------------|
| No. | Sample No. | | Present |
| | | VERMICULITE SAMPLE | |
| R17594 | | VVL-QT4-STR-2004 | NONE DETECTED |
| | | | |
| | | | |
| | | VVL | |
| | | | |
| | | Small Tumbler Rock (-4n | hesh) |
| | | | , |
| | | | |
| | | 4th Quarter 2004 | |
| | | | |
| | | | |
| | | | |
| No. c | of Samples: | ONE | |

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Date of Issue:

17/02/05

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM | Clients | Sample Details | Asbestos Type(s) |
|--|-------------|-------------------------------|------------------|
| No. | Sample No. | | Present |
| | | VERMICULITE SAMPLE | |
| R17584 | | VVL-QT3-F-2004 | NONE DETECTED |
| | | VVL feed 3d Generater 2004 | |
| ти техную продолжения в предоставляющей в предос | | | |
| | | | |
| No. o | of Samples: | ONE | |

IOM Consulting accepts responsibility only for results obtained from samples as received. No responsibility is accepted for errors, which may have arisen during sampling or transportation of samples by external clients.

Authorised by: Stare Clark

S Clark

Mineralogy Section Manager

Sheet 1 of 1

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Registered in Scotland No. SC205670





Client Details:

Energy Ventures Analysis Inc, 1901 n. Moore Street,

Suite 1200, Arlington, Virginia, 22209-1706

Contract No.

04291-2

Requested By:

J.B. Stamberg

Date Samples Rec'd:

16/02/05

Project No:

610

Date of Analysis:

17/02/05

Date of Issue:

17/02/05

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM | Clients | Sample Details | Asbestos Type(s) |
|--|-------------|-------------------------------|------------------|
| No. | Sample No. | | Present |
| | | VERMICULITE SAMPLE | |
| R17585 | | VVL-QT3-345-2004 | NONE DETECTED |
| | | | |
| | | V V L | |
| | | VVL product 3ª Quater 2004 | |
| Orani propinsi di America di Amer | | | |
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| Autoritation and the second | | | |
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| четори продости | | | |
| No. o | of Samples: | ONE | |

IOM Consulting accepts responsibility only for results obtained from samples as received. No responsibility is accepted for errors, which may have arisen during sampling or transportation of samples by external clients.

Authorised by: Some clark

S Clark

Mineralogy Section Manager

Sheet 1 of 1

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Client Details:

Energy Ventures Analysis Inc, 1901 n. Moore

Street, Suite 1200, Arlington, Virginia, 22209-1706

Contract No.

02448-1

Requested By:

John B Stamberg P.E

Date Samples Rec'd:

02/08/04

Project No:

610

Date of Analysis:

14/08/04

Date of Issue:

19/08/04

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM | Clients | Sample Details | Asbestos Type(s) |
|--|-------------------|-----------------------------|------------------|
| No. | Sample No. | | Present |
| R8917 | VVL-QT2-F 2004 | VERMICULITE | NONE DETECTED |
| A CALL TO THE CALL TH | | VVL Plant Feed Composite | |
| | | | |
| TO THE PROPERTY OF THE PROPERT | | 2 apravter 2004 | |
| objektorikane rozmowa przez | | | |
| autominionaliamento de la mentra del la mentra della ment | | | |
| No. o | f Camples: | ONF | |
| No. o | f Samples: | ONE | |

IOM Consulting accepts responsibility only for results obtained from samples as received. No responsibility is accepted for errors, which may have arisen during sampling or transportation of samples by external clients.

Authorised by:

Stare Clark

S Clark

Senior Scientific Technician

Sheet 1 of 1

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Registered in Scotland No. SC205670





Client Details:

Energy Ventures Analysis Inc, 1901 n. Moore

Street, Suite 1200, Arlington, Virginia, 22209-1706

Contract No.

02448-2

Requested By:

John B Stamberg P.E

Date Samples Rec'd:

02/08/04

Project No:

610

Date of Analysis:

14/08/04

Date of Issue:

19/08/04

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|------------|-----------------------|---|--------------------------|
| R8918 | VVL-QT2-345 -2004 | VERMICULITE | NONE DETECTED |
| | | VVL Product Composite 2 rd Quarter 2004 | |
| | | 2 rd Quarter 2004 | |
| - | | | |
| . No o | f Samples: | ONE | |

IOM Consulting accepts responsibility only for results obtained from samples as received. No responsibility is accepted for errors, which may have arisen during sampling or transportation of samples by external clients.

Authorised by:

Stene Clark

S Clark

Senior Scientific Technician

Sheet 1 of 1

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Energy Ventures Analysis Inc, 1901 n. Moore Street,

Suite 1200, Arlington, Virginia, 22209-1706

Contract No.

02178-1

Requested By:

Client Details:

John B Stamberg PE

Date Samples Rec'd: 30.06.04 Project No:

610

Date of Analysis:

08.07.04

Date of Issue:

12.07.04

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| ЮМ | Clients | Sample Details | Asbestos Type(s) Present |
|--|------------|--|--------------------------|
| No. | Sample No. | VERMICULITE | |
| 7469 | 1 | VVL-QTI-F-2004 | NONE DETECTED |
| socializados de la constitución | | | |
| surpriitte en | | VVL Plant Feed | |
| · | | VVL Plant Feed Composite 1st Gunter 2004 | |
| esamente de la companya de la compan | | 121 Quarte 2004 | |
| | | | |
| • | | | |
| | | ONE | |

IOM Consulting accepts responsibility only for results obtained from samples as received. No responsibility is accepted for errors, which may have arisen during sampling or transportation of samples by external clients.

Authorised by: House Clerk

S Clark

Senior Scientific Technician

Sheet 1 of 1

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Energy Ventures Analysis Inc, 1901 n. Moore Street, Client Details:

Suite 1200, Arlington, Virginia, 22209-1706

Contract No.

02178-2

Requested By:

John B Stamberg PE

30.06.04 Date Samples Rec'd:

Project No:

610

Date of Analysis:

08.07.04

Date of Issue:

12.07.04

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|--|-----------------------|---|--------------------------|
| R7470 | 2 | VERMICULITE VVL-QTI-345-2004 | NONE DETECTED |
| | | VVL ProductComposile 1 21 Quarter 2004 | |
| The development and the control of t | | | |

IOM Consulting accepts responsibility only for results obtained from samples as received. No responsibility is accepted for errors, which may have arisen during sampling or transportation of samples by external clients.

Authorised by: State Clark

S Clark

Senior Scientific Technician

Sheet 1 of 1

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Client Details:

Energy Ventures Analysis Inc, 1901 n. Moore Street, Suite

1200, Arlington, Virginia, 22209-1706

Contract No.

01206-03

Requested By:

John B Stamberg

09/02/04 Date Samples Rec'd:

Project No:

610

Date of Analysis:

23/02/04

Date of Issue:

25/02/04

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|------------|-----------------------|--|-----------------------------|
| ₹2800 | 03 | VERMICULITE SAMPLE NO. VVL-4QT-F-2003 | NONE DETECTED |
| | | VVL Plant Feed Compos 4 Dh Quarter 2003 | rale |
| - | | 4 th Quarter 2003 | |
| | | | |
| : | | | |

1OM Consulting accepts responsibility only for results obtained from samples as received. No responsibility is accepted for errors, which may have arisen during sampling or transportation of samples by external clients.

Analysed By:

T Södergren

Scientific Technician

Authorised by:

C McGonagle

Chemist

• Research Park North, Riccarton, Edinburgh, EH14 4AP, Scotland, UK (Registered Office)

Tel (44) 0870 850 5131 Fax (44) 0870 850 5132 E-mail iom@iomhq.org.uk

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Client Details:

Energy Ventures Analysis Inc, 1901 n. Moore Street, Suite

1200, Arlington, Virginia, 22209-1706

Contract No.

01206-04

Requested By:

John B Stamberg

Date Samples Rec'd: 09/02/04

Project No:

610

Date of Analysis:

23/02/04

Date of Issue:

25/02/04

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|--|-----------------------|--|--------------------------|
| 2801 | 04 | VERMICULITE SAMPLE NO. VVL-4QT-345-2003 | NONE DETECTED |
| ndecon transcours pronounces transcours tran | | VVL Product Composite | |
| 1 I I I I I I I I I I I I I I I I I I I | | VVL Product Composite 4 th Quarter 2003 | |
| on money et elemente et e | | | |
| Coppe and the property of the Coppe and the | , | | |

IOM Consulting accepts responsibility only for results obtained from samples as received. No responsibility is accepted for errors, which may have arisen during sampling or transportation of samples by external clients.

Analysed By:

T Södergren

Scientific Technician

Authorised by:

C McGonagle

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Client Details:

Energy Ventures Analysis Inc, 1901 n. Moore Street, Suite

1200, Arlington, Virginia, 22209-1706

Contract No.

01206-01

Requested By:

John B Stamberg

Date Samples Rec'd: 09/02/04

.

Project No:

610

Date of Analysis:

23/02/04

Date of Issue:

25/02/04

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|------------|--|---------------------------------------|---------------------------|
| R2798 | 01 | VERMICULITE SAMPLE NO. VVL-3QT-F-2003 | NONE DETECTED |
| | | VVL Plant Feed Camposite | |
| | | 39 Quarter 2003 | |
| - | PROGRAM WANTED WATER TO THE PROPERTY OF THE PR | | |
| u · | | | |

IOM Consulting accepts responsibility only for results obtained from samples as received. No responsibility is accepted for errors, which may have arisen during sampling or transportation of samples by external clients.

Analysed By:

T Södergren

Scientific Technician

Authorised by:

C McGonagle

Chemist

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Sheet 1 of 1





Client Details:

Energy Ventures Analysis Inc, 1901 n. Moore Street, Suite

1200, Arlington, Virginia, 22209-1706

Contract No.

01206-02

Requested By:

John B Stamberg

Date Samples Rec'd: 09/02/04

Project No:

610

Date of Analysis:

23/02/04

Date of Issue:

25/02/04

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|------------|-----------------------|---|--------------------------|
| R2799 | 02 | VERMICULITE SAMPLE NO. VVL-3QT-345-2003 | NONE DETECTED |
| | | VVL Product Camponle 39 Quarter 2003 | |
| | | | |

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Analysed By:

T Södergren

Scientific Technician

Authorised by:

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Sheet 1 of 1





Client Details: Energy Ventures Analysis Inc, 1901 n. Moore Street, Suite 1200,

Arlington, Virginia, 22209-1706

Requested By: John B. Stamberg

Date Samples Received: 12.8.03

Date of Analysis: 15.8.03

Contract No: 00328-1

Project No: 610

Date of Issue: 25.8.03

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|------------|-----------------------|---|--------------------------|
| E28959 | VVL-Q12-F- 2003 | VERMICULITE SAMPLE | NONE DETECTED |
| | | VVL Plant Feed | |
| | | VVL Plemt Feed Composite 2nd Quarter 2003 | |
| | · | 2 quartes cos | |
| No. of Sam | ples: ONE | | · |

The Institute of Occupational Medicine accepts responsibility only for results obtained from samples as received. No responsibility is accepted for errors, which may have arisen during sampling or transportation of samples by external clients.

Analysed by:

T Södergren

Scientific Technician

Authorised by:

Senior Scientific Technician

Store Clark

Sheet 1 of 1

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Client Details: Energy Ventures Analysis Inc, 1901 N. Moore Street, Suite 1200,

Contract No: 00328-2

Arlington, Virginia, 22209-1706

Project No: 610

Requested By: John B. Stamberg

Date Samples Received: 12.8.03

Date of Issue: 25.8.03

Date of Analysis: 15.8.03

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|------------|-----------------------|--|---|
| | | | |
| | | • | : |
| E28960 | VVL-QT2-345- 2003 | VERMICULITE SAMPLE | NONE DETECTED |
| | | | |
| | | VVL Product | · |
| | | VVL Product Composite 2nd Quarter 2003 | |
| | | 2nd Quarter 2003 | |
| | | | |
| 3 | | | AL CONTRACTOR OF THE PROPERTY |

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Analysed by:

T Södergren Scientific Technician Authorised by:

Senior Scientific Technician

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Client Details: Energy Ventures Analysis Inc, 1901 N. Moore Street, Suite 1200,

Contract No: 452G-1

Arlington, Virginia 22209/1706, U.S.A

Project No: 161

Requested By: John B. Stamberg

Date Samples Received: 04.7.03

Date of Issue: 17.7.03

Date of Analysis: 14.7.03

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|------------|-----------------------|---|--------------------------|
| E27767 | VV6-QTI-F-2003 | VERMICULITE SAMPLE VVL Plant Fred Compes 124 Quarter 2003 | NONE DETECTED |
| | | | , |

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Analysed by:

A. Mos

Authorised by:

State Clark

A Hamer

Scientific Technician

S Clark

Senior Scientific Technician

Sheet 1 of 1

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Client Details: Energy Ventures Analysis Inc, 1901 N. Moore Street, Suite 1200,

Arlington, Virginia 2209-1706, U.S.A.

Requested By: John B. Stamberg

Date Samples Received: 04.7.03

Date of Analysis: 14.7.03

Contract No: 450G-2

Project No: 161

Date of Issue: 17.7.03

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|------------|-----------------------|-----------------------|--------------------------|
| E27768 | VVL-QTI-345- 2003 | VERMICULITE SAMPLE | NONE DETECTED |
| | · | VVL Product Composite | |
| | · | 1st Quarter 2003 | |
| No. of Sam | ples: ONE | | |

The Institute of Occupational Medicine accepts responsibility only for results obtained from samples as received. No responsibility is accepted for errors, which may have arisen during sampling or transportation of samples by external clients.

Analysed by:

A. Maes

Authorised by:

Statue Clark

A Hamer

Scientific Technician

S Clark

Senior Scientific Technician

Sheet 1 of 1

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Client Details: Energy Ventures Analysis INC, 1901 N. Moore Street, Suite 1200

Contract No: 962M

Arlington, Virginia 22209 – 1706 USA

Project No: 161

Requested By: John B Stamberg

Date Samples Received: 30.1.03

Date of Analysis: 3.2.03

Date of Issue: 10.2.03

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|------------|-----------------------|---|-----------------------------|
| E23628 | - | VERMICULITE VVL – QT4-F-2002 | NONE DETECTED |
| | | VVL Plent Teed Composite | |
| | | VVL Plent Teed Composite 4th Quarter 2002 | • |
| , | • | | |
| - | | | |
| Vo of Sam | ples: ONE | | · |

The Institute of Occupational Medicine accepts responsibility only for results obtained from samples as received. No responsibility is accepted for errors, which may have arisen during sampling or transportation of samples by external clients.

Analysed by:

A.Ncer

Authorised by:

C McIntosh

Scientific Technician

Laboratory Manager

anoli tutos

Sheet 1 of 1





Client Details: Energy Ventures Analysis INC, 1901 N. Moore Street, Suite 1200

Contract No: 962M-1

Arlington, Virginia 22209 – 1706 USA

Project No: 161

Requested By: John B Stamberg

Date Samples Received: 30.1.03

Date of Issue: 10.2.03

Date of Analysis: 3.2.03

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|--|-----------------------|---|--------------------------|
| | | | |
| E23629 | - | VERMICULITE VVL-QT4-345-2002 | NONE DETECTED |
| THE THE PERSON NAMED IN TH | | WVL Product Composite | · |
| | | VVL Product Composite 4th Quarter 2002 | |
| nonover-manyleonite et e | | | |
| | | | |
| | | | |
| No. of Sam | | | |

The Institute of Occupational Medicine accepts responsibility only for results obtained from samples as received. No responsibility is accepted for errors, which may have arisen during sampling or transportation of samples by external clients.

Analysed by:

A Hamer

Authorised by:

C McIntosh

Scientific Technician

Laboratory Manager

Carolmylitach

Sheet 1 of 1





Client Details: Energy Ventures Analysis, 1901 North Moore Street, Suite 1200,

Arlington, Virginia 22209-1706, USA

Contract No: 946F

Requested By: John B Stamberg

Project No: 161

Date Samples Received: 16.11.02

Date of Issue: 25.11.02

Date of Analysis: 20.11.02

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|---|-----------------------|---|-----------------------------|
| - | | VERMICULITE SAMPLE: | |
| E21336 | 1 | VVL-QT3-F-2002 | NONE DETECTED |
| e e e e e e e e e e e e e e e e e e e | | VVL Plent Zeed Composite 39 Quarter 2002 | |
| МОТРОТИТЕ В В В В В В В В В В В В В В В В В В В | | 39 Quarter 2002 | |
| | | | |
| | | | |
| | | | |

The Institute of Occupational Medicine accepts responsibility only for results obtained from samples as received. No responsibility is accepted for errors, which may have arisen during sampling or transportation of samples by external clients.

Analysed by:

T Södergren

Scientific Technician

Authorised by:

C McIntosh

Laboratory Manager

and whitell

Sheet 1 of 4

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Client Details: Energy Ventures Analysis, 1901 North Moore Street, Suite 1200,

Arlington, Virginia 22209-1706, USA

Contract No: 946F

Requested By: John B Stamberg

Project No: 161

Date Samples Received: 16.11.02

Date of Issue: 25.11.02

Date of Analysis: 20.11.02

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|------------|-----------------------|----------------------|-----------------------------|
| - | | VERMICULITE SAMPLE: | |
| E21337 | 2 | VVL-QT3-345-2002 | NONE DETECTED |
| | | VVI Product Composit | |
| | | 3ª Quarter 2002 | |
| | | | |
| | | | |
| | | | - |
| Vo. of Sam | ples: ONE | | |

The Institute of Occupational Medicine accepts responsibility only for results obtained from samples as received. No responsibility is accepted for errors, which may have arisen during sampling or transportation of samples by external clients.

Analysed by:

T Södergren Scientific Technician Authorised by:

Laboratory Manager

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Client Details: Energy Ventures Analysis Inc., 1901 North Moore Street, Suite 1200,

Contract No: 936X

Arlington, Virginia, 2209-1706

Project No: 161

Requested By: John B Stamberg, P.E

Date Samples Received: 14.10.02

Date of Issue: 05.11.02

Date of Analysis: 31.10.02

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|--|--|--------------------------|--------------------------|
| , | | VERMICULITE SAMPLES: | |
| | | | |
| E20534 | 1 | VVL - QT2 - F - 2002 | NONE DETECTED |
| | | VVL Plant Feed Composite | |
| OTTO CALL PROPERTY OF THE PARTY | | 2 nd Quarter 2002 | |
| , | | | |
| | | | |
| | , | | |
| *************************************** | The control of the co | | |
| o. of Samp | les: ONE | | |

The Institute of Occupational Medicine accepts responsibility only for results obtained from samples as received. No responsibility is accepted for errors, which may have arisen during sampling or transportation of samples by external clients.

Analysed by:

CAC C CC A Cameron

Scientific Technician

Authorised by:

C McIntosh

Laboratory Manager

and Metitose

Sheet 1 of 1

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 Tel (44) 131-667 5131 Fax (44) 131-667 0136 E-mail iom@iomhq.org.uk

Registered in Scotland No. SC205670





Client Details: Energy Ventures Analysis Inc., 1901 North Moore Street, Suite 1200,

Contract No: 936X-1

Arlington, Virginia, 2209-1706

Project No: 161

Requested By: John B Stamberg, P.E

Date of Issue: 05.11.02

Date Samples Received: 14.10.02

Date of Analysis: 31.10.02

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in MDHS 77. The results are given below:

| IOM No. | Clients Sample No. | Sample Details | Asbestos Type(s) Present |
|------------|-----------------------|--|-----------------------------|
| , | | VERMICULITE SAMPLES: | |
| E20535 | 2 | VVL – QT2 – 345 - 2002 | NONE DETECTED |
| | | VVL Poodnét Composite 2 nd Quarter 2002 | |
| | | 2 nd Quarter 2002 | |
| - | | | |
| | | | |
| No of Cam | ples: ONE | | |

The Institute of Occupational Medicine accepts responsibility only for results obtained from samples as received. No responsibility is accepted for errors, which may have arisen during sampling or transportation of samples by external clients.

Analysed by:

A Cameron

Authorised by:

C McIntosh

Scientific Technician

Laboratory Manager

rolanetitall

Sheet 1 of 1

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