7.1 Data Usability Summary Report, Interim Remedial Measures, dated December 22, 1997.

Norwich Former MGP, Norwich (C), Chenango County

NYSEG

December 22, 1997
Norwich MGP

Mr. David A. Crosby, P. E.
Program Manager
Central Field Services Section
Bureau of Construction Services
Division of Hazardous Waste Remediation
New York State Department of
Environmental Conservation
50 Wolf Road
Albany, NY 12233-7010

DEC 25 1997

Subject: Data Usability Summary Reports (DUSR)
Norwich Interim Remedial Measures (IRM) Project
Norwich Former Manufactured Gas Plant (MGP) Site - Norwich, NY

Dear Mr. Crosby:

Please find enclosed for your review two copies of the DUSRs prepared for the Norwich MGP Interim Remedial Measures project. These reports were prepared for confirmatory sampling data and the data generated for the blended coal tar soil sent to the permitted generating stations for thermal destruction.

As noted in my letter of September 4, 1997, NYSEG will not go forward with preparing data validation reports for the confirmatory sampling data at this time. NYSEG will archive the confirmatory results and supporting documentation in the event that it becomes necessary to have these data validated in the future.

Please be advised that the raw analytical data used to prepare the enclosed DUSRs are available to your department upon request.

Should you have any questions or comments concerning these reports, please do not hesitate to contact me at (607) 762-8787.

Sincerely,

John J. Ruspantini
Staff Environmental Specialist
Licensing & Environmental Operations

cc: B. W. Finch

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New York State Electric & Gas Corporation

Norwich Former Manufactured Gas Plant (MGP) Site

Interim Remedial Measures (IRM) Project

Data Usability Summary Reports (DUSR)

Confirmation Sampling Data

New York State Electric & Gas Norwich MGP

Case: *NY 9701*
SDG: *NOCCSPOO1G*
Reviewer: *Carrie A. Carlson*

General

The samples included in **SDG *NOCCSP001G*** were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on the following dates: the 8th, 10th, 14th, and 15th of May 1997. The project was completed on June 10, 1997. These samples are located in the site map as locations 3-7 and were analyzed for Volatile and Semi-Volatile Organics in accordance with the methodology as detailed in the contract. Holding times were met and the data package is complete as defined under the requirements for the NYSDEC ASP Category B deliverables. This package presents acceptable contractual and technical performance with qualifications. The Form I's do not reflect these qualifications. Further details are provided below.

Volatile Analysis-Benzene

Two different calibrations one for low level soils and one for medium level soils were included in the data package. The continuing calibration from 5/16/97 was based on two different analyses. A Benzene standard at 50 ug/L was used as well as the daily blank (VBLK) for the surrogate. This is allowed by the protocol.

The following samples were analyzed using a medium level extraction due to high level of compounds present in the sample: ***NOCOEBO11 and NOCTPI008G.*** The low level method for extractions were used for samples: ***NOCEXSS008G, NOCEXSS003, NOCOES008, NOCOES003, NOCT1B010, NOCT2B010, and NOCCSP001.*** Samples ***NOCT1B010 and NOCT2B010G*** were analyzed with a 1:5 dilution.

The surrogate recovery for Toluene-d8 for the Matrix Spike Blank (VMSB) for the medium level extraction was outside acceptable limits. According to protocol, the matrix spike samples are not re-analyzed due to low surrogate recovery.

The medium level matrix spike and matrix spike duplicate samples for Benzene were outside of the required limits. This is most likely due to the high level of Benzene present in the samples. No corrective action required.

Semi-volatile Analysis-Polycyclic Aromatic Hydrocarbons

Two different calibrations one for instrument A and one for instrument B were included in the data package. The samples were analyzed for polycyclic aromatic hydrocarbons. The Acenapthylene results are not present on the Form I's but the results are included on an Addendum to the project. All raw data needed for Acenapthylene calculations are present in this package.

The %D for the compounds Benzo(b)fluoranthene and Dibenzo(a,h)anthracene for the continuing calibration analyzed on 5/13/97 were outside of the control limits. The %D for these compounds were 40% and 28.5% respectively. According to the protocol, four semi-volatile organic compounds may exceed a %D equal to 25% as long as the %D is less than 40% and the RRF is above 0.010. However, the associated sample results for ***NOCOES008, NOCOES003, and NOCOEB011*** could be biased low. Benzo(b)fluoranthene was detected in the samples. The results are considered estimated. Dibenzo(a,h)anthracene was not detected in any associated samples. No corrective action was taken on Dibenzo(a,h)anthracene.

The continuing calibration check compound Benzo(k)fluoranthene analyzed on 5/30/97 did not meet the %D method criteria and was biased slightly high at 30.7%. According to the protocol, four semi-volatile organic compounds may exceed a %D equal to 25% as long as the %D is less than 40% and the RRF is above 0.010. The associated samples include: ***NOCOES008 and NOCOES003RE*** . Benzo(k)fluoranthene was detected in the samples. The result are considered estimated and possibly bias low.

The %D for the compounds Pyrene and Indeno(1,2,3-cd)pyrene for the continuing calibration analyzed on 5/30/97 were outside of the control limits. The %D for these compounds were 33.7% and 25.5% respectively. According to the protocol, four semi-volatile organic compounds may exceed a %D equal to 25% as long as the %D is less than 40% and the RRF is above 0.010. The associated samples were the blanks 1 and 2 (SBLK01 and SBLK02). Neither analyte was present in the blanks. No corrective was needed.

The recovery for the low level matrix spike was outside required limit on the analyte N-Nitroso-di-n-propylamine. This is not a compound of interest. No corrective action needed on the sample results. The Pyrene %RPD recovery between the low level matrix spike and matrix spike duplicate was outside the acceptable limits. The matrix spike blank was within the required criteria indicating that the Pyrene recovery failure could possibly be due to the matrices of sample ***NOCOES008***.

The recovery for Acenaphthene in the medium level matrix spike was outside of the limits. The medium level %RPD recovery for Acenapthene and Pyrene between the matrix spike and matrix spike duplicate were outside the required limits. This could be attributed to the 1:40 dilution and the high level of compounds present in the matrix spike sample ***NOCTPI008G***.

The following samples were analyzed using the medium level extraction due to high level of compounds present in the sample: ***NOCEXSS003, NOCOES003, NOCOEB011, NOCT1B010, NOCT2B010, NOCTPI008, and NOCCSP001.*** ***NOCOEB011*** was analyzed by medium level extraction using 2 grams of samples instead of 1 gram. ***NOCTPI008, NOCEXSS008, and NOCOES008*** were diluted prior to analyses. ***NOCTPI008*** surrogate was diluted out.

The internal standards d12-Chrysene and d12-Perylene were are not within the specified limits for samples ***NOCOES008 and NOCOES003***. Both internal standard area counts are low. Sample ***NOCOES003*** was reanalyzed and these internal standards were still out of the required limits. The results for Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b) fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene, and Dibenzo(a,h)anthracene for this sample are considered to be estimated values. For sample ***NOCOES008*** the results for the analytes listed above are considered estimated for positive hits and biased high. All non-detect results on ***NOCOES008*** for the analytes listed above should be used with caution. Sample ***NOCOES008*** and the associated matrix spike and matrix spike duplicate were not reanalyzed. According to protocol, the matrix spike and matrix spike duplicate are not reanalyzed due to low internal surrogates. Sample ***NOCOES008*** should have been reanalyzed by the laboratory.

Napthalene results from sample ***NOCT2B010G*** were reported outside calibration range. Included in the standards data section is a plot illustrating the linearity of Napthalene past the calibration range. The level of the compound found in the samples was within the extrapolated linear range of calibration. The result is considered an estimated value.

New York State Electric & Gas Norwich MGP

Case: *NY 9705*
SDG: *NOCENW003G*
Reviewer: *Carrie A. Carlson*

General

The samples included in **SDG *NOCENW003G*** were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on the following dates: the 19th and 21th of May 1997. The project was completed on June 17, 1997. These samples are located in the site map as locations 8-12. The samples were analyzed for Volatile and Semi-Volatile Organics in accordance with the methodology as detailed in the contract. Holding times were met and the data package is complete as defined under the requirements for the NYSDEC ASP Category B deliverables. This package presents acceptable contractual and technical performance with qualifications. The Form I's do not reflect these qualifications. Further details are provided below.

Volatile Analysis-Benzene

Two different calibrations one for low level soils and one for medium level soils were included in the data package.

The following samples were analyzed using a medium level extraction due to high level of compounds present in the sample: ***NOCNEBO11 and NOCENW011***. The low level method for extractions were used for samples: ***NOCEXE003, NOCEXE008, NOCEXN003, NOCEXN008, NOCENW003, and NOCENW008***. Samples ***NOCEXE003, NOCEXE008, and NOCEXN003*** were analyzed with a 1:5 dilution. Samples ***NOCEXN008, NOCENW003, and NOCENW008*** were analyzed with a 1:2 dilution. Dilution were performed due to high level of compounds present in the samples. The samples were diluted prior to analyses.

The surrogate recovery for Toluene-d8 on sample ***NOCNEBO11G MS*** for the medium level extraction was outside acceptable criteria. The percent recovery was 118% and slightly out of the limits of 81%-117% recovery. According to protocol, the matrix spike samples are not reanalyzed due to low surrogate recovery.

Semi-volatile Analysis-Polycyclic Aromatic Hydrocarbons

The samples were analyzed for polycyclic aromatic hydrocarbons. The Acenapthylene results are not present on the Form I's but the results are included on an Addendum to the project. All raw data needed for Acenapthylene calculations are present in this package.

The %D for the compounds Pyrene and Benzo(k)fluoranthene for the continuing calibration analyzed on 5/20/97 were outside of the control limits. The %D for these compounds were 27.3% and 27.0% respectively. According to the protocol, four semi-volatile organic compounds may exceed a %D equal to 25% as long as the %D is less than 40% and the RRF is above 0.010. However, the associated sample results for ***NOCEXN008*** for Pyrene are considered estimated and bias low. Benzo(k)fluoranthene was not detected in the sample. No corrective action needed.

The continuing calibration check compound Benzo(k)fluoranthene analyzed on 5/21/97 did not meet the %D method criteria and was biased slightly high at 25.4%. According to the protocol, four semi-volatile organic compounds may exceed a %D equal to 25% as long as the %D is less than 40% and the RRF is above 0.010. The associated samples include: ***NOCEXE008***. Benzo(k)fluoranthene was not detected in the sample. No corrective action needed.

The %D for the compounds Pyrene for the continuing calibration analyzed on 5/22/97 were outside of the control limits. The %D for this compounds was 27.4%. According to the protocol, four semi-volatile organic compounds may exceed a %D equal to 25% as long as the %D is less than 40% and the RRF is above 0.010. The associated samples were ***NOCENW003, NOCENW008 and NOCNWB011.*** Pyrene was present in the samples. The results are considered estimated and could be biased slightly low.

The recovery for Pyrene in the medium level matrix spike and matrix spike duplicate analyses were outside of the limits. The medium level %RPD recovery for Acenapthene between the matrix spike and matrix spike duplicate were outside the required limits. The matrix spike blank was within acceptable limits. This reinforces that the precision and accuracy of the results could be attributed to the sample ***NOCENW008*** matrices.

The following samples were analyzed using the medium level extraction due to high level of compounds present in the sample: ***NOCEXE003, NOCEXN003, NOCNEB011, NOCENW003, NOCENW008, and NOCNWB011.*** The following samples were diluted 1:5 prior to analyses due to the high level of compounds present in the samples: ***NOCEXE008, NOCNWB011, and NOCNEB011.*** The surrogate for Nitrobenzene-d5 was diluted out on sample ***NOCNWB011.***

Napthalene results from sample ***NOCENW008G*** were reported outside calibration range. Included in the standards data section is a plot illustrating the linearity of Napthalene past the calibration range. The level of the compound found in the samples was within the extrapolated linear range of calibration. The result is considered an estimated value.

New York State Electric & Gas Norwich MGP

Case: *NY 9709*
SDG: *NOCEXNNW06*
Reviewer: *Carrie A. Carlson*

General

The samples included in **SDG** ***NOCEXNNW06G*** were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on the following dates: the 27th June and 2nd of July1997. The project was completed on July 24, 1997. These samples are located in the site map as locations 13-18. The samples were analyzed for Volatile and Semi-Volatile Organics in accordance with the methodology as detailed in the contract. Holding times were met and the data package is complete as defined under the requirements for the NYSDEC ASP Category B deliverables. This package presents acceptable contractual and technical performance with qualifications. The Form I's do not reflect these qualifications. Further details are provided below.

Volatile Analysis-Benzene

Two different calibrations one for low level soils and one for medium level soils were included in the data package.

The following sample was analyzed using a medium level extraction due to high level of compounds present in the sample: ***NOCOEXW011***. The low level method for extractions were used for samples: ***NOCOEXN006, NOCOEXN011, NOCUOT006, NOCEXNW006, and NOCEXSW006***. Sample ***NOCOEXN011*** was analyzed with a 1:5 dilution (The laboratory used 1 gram instead of the standard 5 grams). Sample ***NOCEXNW006*** was analyzed with a 1:2 dilution (The laboratory used 2.5 grams instead of the usual 5.0 grams). Dilutions were performed due to high level of compounds present in the samples. The samples were diluted prior to analyses.

The matrix spike duplicate recovery on sample ***NOCUOT006*** was outside of the spiking limits for the low level Benzene. The %RPD was within the specified criteria. The matrix spike blank for the low level Benzene analysis was within acceptable limits. In my professional judgment, qualification of the data based on the matrix spike duplicate recovery is not needed. The recovery for the benzene medium level extraction was not with acceptable criteria The %RPD between the matrix spike and matrix spike duplicate was out of limits. The soil matrix of sample ***NOCOEXW011G*** could account for the failures due to the fact that the matrix spike blank was within the acceptable limits.

The internal standard for Chlorobenzene-d5 was outside of the acceptable limits for the matrix spike sample *NOCUOT006 MS.* This internal standard is not used in calculating benzene concentrations and therefore no corrective action was taken.

Semi-volatile Analysis-Polycyclic Aromatic Hydrocarbons

The samples were analyzed for polycyclic aromatic hydrocarbons. The Acenapthylene results are not present on the Form I's but the results are included on an Addendum to the project. All raw data needed for Acenapthylene calculations are present in this package.

The %D for the compounds Benzo(b)fluoranthene for the continuing calibration analyzed on 6/30/97 was outside of the control limits. The %D for this compound was 27.5%. According to the protocol, four semi-volatile organic compounds may exceed a %D equal to 25% as long as the %D is less than 40% and the RRF is above 0.010. However, the associated sample results for ***NOCOEXN006*** , ***NOCOEXN011, NOCOEXW011, and NOCUOT006*** for Pyrene are considered estimated and bias low for positive hits. Benzo(b)fluoranthene was not present in samples ***NOCOEXN011 and NOCOEXW011.*** No action is required for non-detects.

The following sample was analyzed using a medium level extraction due to high level of compounds present in the sample: ***NOCOEXN011, NOCUOT006, NOCEXNW006, NOCOEXW011, and NOCEXSW006.*** Sample ***NOCOEXN011*** was analyzed with a 1:4 dilution. Sample ***NOCEXNW006*** was analyzed with a 1:2 dilution. Sample ***NOCEXSW006*** was analyzed with a 1:5 dilution. Dilutions were performed due to high level of compounds present in the samples. The samples were diluted prior to analyses. Sample ***NOCOEXN006*** was analyzed using a low level extraction.

The recovery for Pyrene in the low level matrix spike duplicate was not within acceptable limits causing the % RPD between the matrix spike and matrix spike duplicate to be out of the established criteria. The matrix spike blank was within acceptable limits. The matrix spike duplicate recovery failure could be attributed to sample ***NOCOEXN006*** matrices.

The recovery for Pyrene in the medium level matrix spike and matrix spike duplicate analyses were outside of the limits. The medium level %RPD recovery for Acenapthene between the matrix spike and matrix spike duplicate were outside the required limits. The matrix spike blank was within acceptable limits. This reinforces that the precision and accuracy of the results could be attributed to sample ***NOCOEXN011*** matrix.

New York State Electric & Gas Norwich MGP

Case: *NY 9712*
SDG: *NOC2EXW006G*
Reviewer: *Carrie A. Carlson*

General

The samples included in **SDG *NOC2EXW006G*** were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on the following dates: the 10th and 11th of July 1997. The project was completed on August 7, 1997. These samples are located in the site map as locations 19-20 and 22-24. The samples were analyzed for Volatile and Semi-Volatile Organics in accordance with the methodology as detailed in the contract. Holding times were met and the data package is complete as defined under the requirements for the NYSDEC ASP Category B deliverables. This package presents acceptable contractual and technical performance with qualifications. The Form I's do not reflect these qualifications. Further details are provided below.

Volatile Analysis-Benzene

Two different calibrations one for low level soils and one for medium level soils were included in the data package.

The following samples were analyzed using a medium level extraction due to high level of compounds present in the sample: ***NOCEXGH011 and NOC2EXW006.*** The low level method for extractions were used for samples: ***NOCVSHXX01, NOCVSHXX02, and NOCVSHXX03.***

The %RPD for Benzene in the low level extraction method, between the matrix spike and matrix spike duplicate analyses were slightly outside of the limits. The matrix spike blank for Benzene was within acceptable limits. Based on professional judgement, qualification for associated data based on the failure was not recommended.

Semi-volatile Analysis-Polycyclic Aromatic Hydrocarbons

The samples were analyzed for polycyclic aromatic hydrocarbons. The Acenapthylene results are not present on the Form I's but the results are included on an Addendum to the project. All raw data needed for Acenapthylene calculations are present in this package.

The %D for the compounds Pyrene for the continuing calibration analyzed on 7/10/97 was outside of the control limits. The %D for this compound was 27.7%. According to the protocol, four semi-volatile organic compounds may exceed a %D equal to 25% as long as the %D is less than 40% and the RRF is above 0.010. The following samples are associated with the continuing calibration are ***NOCVSHXX02 and NOCVSHXX03.*** The Pyrene results for the samples mentioned above are considered estimated and bias high.

The %D for the compound Indeno(1,2,3-cd)pyrene for the continuing calibration analyzed on 7/11/97 was outside of the control limits. The %D for this compounds was 31.4%. According to the protocol, four semi-volatile organic compounds may exceed a %D equal to 25% as long as the %D is less than 40% and the RRF is above 0.010. The associated samples were ***NOCVSHXX01, NOCVSHXX02, NOCVSHXX03, and NOCEXGH001.*** Indeno(1,2,3-cd)pyrene was present in all of the samples except ***NOCEXGH001***. The results are considered estimated and could be biased slightly high for positive hits. No action is required for non-detect results (i.e. ***NOCEXGH001).***

The continuing calibration check compound Indeno(1,2,3-cd)pyrene analyzed on 7/21/97 did not meet the %D method criteria and was biased slightly high at 27.0%. A blank (SBLK03) was the only sample associated with the failure of the continuing check compound. Indeno(1,2,3-cd)pyrene was not detected in the sample. No action is required. The continuing calibration check compound Benzo(b)fluoranthene analyzed on 7/29/97 did not meet the %D method criteria and was biased slightly high at 28.1%. The matrix spike blank for the low level method extraction was the only sample associated with the failure of the continuing check compound. Benzo(b)fluoranthene was not present in the matrix spike blank. No corrective action required.

The recoveries for N-Nitro-di-n-propylamine and Pyrene in the low level matrix spike and matrix spike duplicate analyses were outside of the limits. The N-Nitroso-di-n-propylamine recoveries were bias low. It is not a compound of interest. No corrective action is needed. The recovery for Pyrene was bias high. The concentration of Pyrene present in the sample was approximately five times the amount of the spike concentration. There probably was inconsistency between the amount of Pyrene present in the sample, the spike, and the spike duplicate. This explains not only the recovery failures but also the precision (RPD) failure. The matrix spike blank was within the acceptable limits. No corrective taken was taken with the associated samples.

The following samples were analyzed using the medium level extraction due to high level of compounds present in the sample: ***NOCVSHXX02, NOCVSHXX03, NOCEXGH011, and NOC2EXW006.*** Sample ***NOC2EXW006*** was diluted two fold prior to analysis. ***NOCVSHXX01*** was analyzed by the low level extraction method and diluted 1:4 prior to analysis. Dilutions were necessary due to sample matrices.

Napthalene result from sample ***NOCEXGH011*** was reported outside calibration range. Included in the standards data section is a plot illustrating the linearity of Napthalene past

the calibration range. The level of the compound found in the samples was within the extrapolated linear range of calibration. The result is considered an estimated value.

New York State Electric & Gas Norwich MGP

Case: *NY 9714*
SDG: *NOC3EXW006G*
Reviewer: *Carrie A. Carlson*

General

The sample included in **SDG *NOC3EXW006G*** were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 18th of July, 1997. The project was completed on August 7, 1997. These sample is located in the site map as location 21. The sample ***NOC3EXW006***, was analyzed for Volatile and Semi-Volatile Organics in accordance with the methodology as detailed in the contract. Holding times were met and the data package is complete as defined under the requirements for the NYSDEC ASP Category B deliverables. This package presents acceptable contractual and technical performance with qualifications. The Form I's do not reflect these qualifications. Further details are provided below.

Volatile Analysis-Benzene

The sample was analyzed using low level analysis procedure. No corrective action needed.

Semi-volatile Analysis-Polycyclic Aromatic Hydrocarbons

The sample was analyzed for polycyclic aromatic hydrocarbons. Sample ***NOC3EXW006*** was analyzed using the medium level extraction due to high level of compounds present in the sample. The Acenapthylene results are not present on the Form I's but the results are included on an Addendum to the project. All raw data needed for Acenapthylene calculations are present in this package.

The %D for the compound Indeno(1,2,3-cd)pyrene for the continuing calibration analyzed on 7/21/97 was outside of the control limits. The %D for this compounds was 27.0%. According to the protocol, four semi-volatile organic compounds may exceed a %D equal to 25% as long as the %D is less than 40% and the RRF is above 0.010. The Indeno(1,2,3-cd)pyrene result in sample ***NOC3EXW006*** is considered estimated and could be biased slightly high.

The recoveries for Pyrene in the matrix spike and matrix spike duplicate analyses were outside of the limits. The concentration of Pyrene present in the sample was approximately three times the amount of the spike concentration. Inconsistency between

the amount of Pyrene present in the sample, the spike, and the spike duplicate was probable. This explains not only the recovery failures but also the precision (RPD) failure. No corrective taken was taken to the associated sample. The surrogate recovery for Terphenyl-d14 was outside the required limits for the matrix spike of ***NOC3EXW006.*** The matrix spike sample was not reanalyzed.

Pyrene result from sample ***NOC3EXW006*** was reported outside calibration range. Included in the standards data section is a plot illustrating the linearity of Pyrene past the calibration range. The level of the compound found in the samples was within the extrapolated linear range of calibration. The result is considered an estimated value.

AES Project Id: *970507A*
Number of Samples *2*
Reviewer *Carrie A. Carlson*

General

The 2 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on May 5, 1997. The samples were analyzed for Benzene and Polycylic Aromatic Hydrocarbons using methods EPA 8240 and EPA 8270, respectively.

Volatile Analysis-Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOCEXW003 AND NOCEXS003.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. The surrogate recoveries are lower than the required limit. All positive and non-detect results for Benzene are considered estimated and biased low.

Semi-volatile Analysis-Polycyclic Aromatic Hydrocarbons

The Semi-Volatile analyses presents no technical qualifications.

New York State Electric & Gas Corporation

Norwich Former Manufactured Gas Plant (MGP) Site

Interim Remedial Measures (IRM) Project

Data Usability Summary Reports (DUSR)

Blended Piles for Coburn Sampling Data

AES Project id *970317D*
Pile Identification# *NOPOO1*
Number of Samples *4*
Reviewer *Carrie A. Carlson*

General

The 4 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 3/17/97. Samples **NOP001001, NOP001002, NOP0011003** were analyzed for TCLP-Benzene. Sample **NOP0012001** was analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualification for the benzene results were based on the blank, matrix spike, matrix spike blank, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0011003, BLANK, AND MATRIX SPIKE SAMPLE**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. The surrogate recoveries for **NOP0011003 and BLANK** were higher than the required limit. No action was taken on the non-detect results. The **MATRIX SPIKE SAMPLE** had a low recovery for two surrogate compounds. The matrix spike result maybe lower than expected. However, the percent recovery for the matrix spike sample was within the accepted limits. No action taken on the matrix spike sample. Not enough information was available to make a judgment on the validity of the associated samples data with regards to the blank surrogate failure. The blank problem could represent an isolated problem with the blank or there could be a fundamental problem with the analytical process.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits. No technical qualifications needed.

AES Project id *970318C*
Pile Identification# *NOPOO2*
Number of Samples *6*
Reviewer *Carrie A. Carlson*

General

The 6 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 3/18/97. Samples **NOP0021001, NOP0021002, NOP0021003, NOP0021004, and NOP0021005** were analyzed for TCLP-Benzene. Sample **NOP0012006** was analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualification for the benzene results were based on the blank, matrix spike, matrix spike blank, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **BLANK, NOP0021001, NOP0021003, NOP0021005, and MATRIX SPIKE SAMPLE.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. The surrogate recoveries for **BLANK, NOP0021001, NOP0021003, and NOP0021005** were higher than the required limit. No action was taken on the non-detect results. The **MATRIX SPIKE SAMPLE** had a low recovery for two surrogate compounds. The matrix spike result maybe lower than expected. However, the percent recovery for the matrix spike sample was within the accepted limits. No action taken on the matrix spike sample. Not enough information was available to make a judgment on the validity of the associated samples data with regards to the blank surrogate failure. The blank problem could represent an isolated problem with the blank or there could be a fundamental problem with the analytical process.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits. No technical qualifications needed.

AES Project id *970325A*
Pile Identification# *NOPOO3*
Number of Samples *10*
Reviewer *Carrie A. Carlson*

General

The 10 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 3/25/97 from NOP003. Samples **NOP0031001R1, NOP0031002R1, NOP0031003R1, NOP0031004R1, NOP0031005R1, NOP0031006R1, NOP0031007R1, and NOP0031008R1** were analyzed for TCLP-Benzene. Samples **NOP0032001R1 and NOP0032002R1** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, matrix spike blank, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **BLANK, NOP0031001R1, NOP0031003R1, and MATRIX SPIKE SAMPLE.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. The surrogate recoveries for **BLANK, NOP0031001R1, and NOP0031003R1** were higher than the required limit. The **BLANK and NOP0031001R1** were non-detects for benzene. Non-detect results are not qualified. Sample **NOP0031003R1** had a positive hit for benzene. The result maybe biased slightly high. The **MATRIX SPIKE SAMPLE** had a high recovery for all of the surrogate compounds. The matrix spike result was not within the spike limits for benzene. Not enough data was given to make a decision regarding the matrix spike sample and its effect on the associated data. Not enough information was available to make a judgment on the validity of the associated samples data with regards to the blank surrogate failure. The blank problem could represent an isolated problem with the blank or there could be a fundamental problem with the analytical process.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications taken.

AES Project id *970325A*
Pile Identification# *NOPOO4*
Number of Samples *6*
Reviewer *Carrie A. Carlson*

General

The 6 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 3/25/97 from NOP004. Samples **NOP0041001R1, NOP0041002R1, NOP0041003R1, NOP0041004R1, and NOP0041005R1** were analyzed for TCLP-Benzene. Sample **NOP0042001R1** was analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, matrix spike blank, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **BLANK and MATRIX SPIKE SAMPLE.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. The surrogate recoveries for **BLANK, MATRIX SPIKE SAMPLE** were higher than the required limit. The **BLANK** was a non-detect for benzene. Non-detect results are not qualified. Not enough information was available to make a judgment on the validity of the associated samples data with regards to the blank surrogate failure. The blank problem could represent an isolated problem with the blank or there could be a fundamental problem with the analytical process. The **MATRIX SPIKE SAMPLE** had a high recovery for all of the surrogate compounds. The matrix spike result was not within the spike limits for benzene. Not enough data was given to make a decision regarding the matrix spike sample and its effect on the associated data.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications taken.

AES Project id *970326B*
Pile Identification# *NOPOO5*
Number of Samples *12*
Reviewer *Carrie A. Carlson*

General

The 11 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 3/26/97 from NOP005. Samples **NOP0051001R1, NOP0051002R1, NOP0051003R1, NOP0051004R1, NOP0051005R1, NOP0051006R1, NOP0051007R1, NOP0051008, NOP0051009, and NOP0051010R1** were analyzed for TCLP-Benzene. Samples **NOP0052001R1 and NOP0052002R1** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, matrix spike blank, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0051004R1, NOP0051005R1, and MATRIX SPIKE SAMPLE.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. The surrogate recoveries for **NOP0051004R1 and NOP0051005R1** were lower than the required limit. These samples were positive for benzene and the results are considered an estimated value with a low bias. The **MATRIX SPIKE SAMPLE** had a high recovery for all of the surrogate compounds. The matrix spike result was not within the spike limits for benzene. Not enough data was given to make a decision regarding the matrix spike sample.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970327A*
Pile Identification# *NOPOO6*
Number of Samples *11*
Reviewer *Carrie A. Carlson*

General

The 11 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 3/27/97 from NOP006. Samples **NOP0061001, NOP0061002, NOP0061003, NOP0061004, NOP0061005, NOP0061006, NOP0061007, NOP0061008, and NOP0061009** were analyzed for TCLP-Benzene. Samples **NOP0062001 and NOP0062002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, matrix spike blank, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0061009 and MATRIX SPIKE SAMPLE.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. One surrogate recovery for **NOP0061009** was lower than the required limit. The sample was positive for benzene and the result is considered an estimated value with a low bias. The **MATRIX SPIKE SAMPLE** had a high recovery for all of the surrogate compounds. The matrix spike result was not within the spike limits for benzene. Not enough data was given to make a decision regarding the matrix spike sample.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970328A*
Pile Identification# *NOPOO7*
Number of Samples *6*
Reviewer *Carrie A. Carlson*

General

The 6 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 3/28/97 from NOP007. Samples **NOP0071001, NOP0071002, NOP0071003, and NOP0071004** were analyzed for TCLP-Benzene. Sample **NOP0072001** was analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, matrix spike blank, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0071002, NOP0071003, NOP0071004, and MATRIX SPIKE SAMPLE.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Surrogate recoveries for samples **NOP0071002, NOP0071003, NOP0071004** were lower than the required limit. Sample **NOP0071002** was positive for benzene and the result is considered an estimated value with a low bias. Samples **NOP0071003 and NOP0071004** were non-detects for benzene. The results for these samples are considered estimated value with a possible low bias. The **MATRIX SPIKE SAMPLE** had a high recovery for all of the surrogate compounds. The matrix spike result was not within the spike limits for benzene. Not enough data was given to make a decision regarding the matrix spike sample.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970331B*
Pile Identification# *NOPOO8*
Number of Samples *9*
Reviewer *Carrie A. Carlson*

General

The 9 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 3/31/97 from NOP008. Samples **NOP0081001, NOP0081002, NOP0081003, NOP0081004, NOP0081005, NOP0081006, and NOP0081007** were analyzed for TCLP-Benzene. Samples **NOP0082001 and NOP0082002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0081003, and NOP0081004.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Surrogate recoveries for samples **NOP0081003 and NOP0081004** were lower than the required limit. Samples **NOP0081003 and NOP0081004** were positive for benzene and the results are considered an estimated value with a possible low bias.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970401A*
Pile Identification# *NOPOO9*
Number of Samples *5*
Reviewer *Carrie A. Carlson*

General

The 5 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 4/1/97 from NOP009. Samples **NOP0091001, NOP0091002, NOP0091003, NOP0091004, and NOP0091005** were analyzed for TCLP-Benzene. Sample **NOP0092001** was analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. All results are considered acceptable based on the quality control stated above. No technical qualifications needed.

AES Project id *970403Z*
Pile Identification# *NOPO10*
Number of Samples *6*
Reviewer *Carrie A. Carlson*

General

The 6 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 4/3/97 from NOP010. Samples **NOP0101001, NOP0101002, NOP0101003, NOP0101004, and NOP0101005** were analyzed for TCLP-Benzene. Sample **NOP0102001** was analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0101001, NOP0101002, NOP0101003, and NOP0101005**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Surrogate recoveries for samples: **NOP0101001, NOP0101002, and NOP0101003** were higher than the required limit. Samples **NOP0101001 and NOP010102** were positive for benzene. The results are considered estimated with a possible high bias. Sample **NOP0101005** had a non-detect result for benzene. One of surrogate recoveries for this sample was outside the lower control limit. The sample result could possibly be bias low and is considered an estimated value.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970404A*
Pile Identification# *NOPO11*
Number of Samples *5*
Reviewer *Carrie A. Carlson*

General

The 5 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 4/4/97 from NOP011. Samples **NOP0111001, NOP0111002, NOP0111003, and NOP0111004** were analyzed for TCLP-Benzene. Sample **NOP0112001** was analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. All results are considered acceptable based on the quality control stated above. Technical qualifications are not needed.

AES Project id *970407C*
Pile Identification# *NOPO12*
Number of Samples *8*
Reviewer *Carrie A. Carlson*

General

The 8 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 4/7/97 from NOP012. Samples **NOP0121001, NOP0121002, NOP0121003, NOP0121004, NOP0121005, and NOP0121006** were analyzed for TCLP-Benzene. Samples **NOP0122001 and NOP0122002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, matrix spike blank, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0121001, NOP0121003, NOP0121005, NOP0101006, BLANK, and MATRIX SPIKE BLANK.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Surrogate recoveries for all the samples mentioned above were higher than the required limit. Samples: **NOP0121001, NOP0121003, NOP0121005, NOP0101006, and BLANK** were non-detects for benzene. The results are not qualified. Not enough information was available to make a judgment on the validity of the associated samples data with regards to the blank surrogate failure. The blank problem could represent an isolated problem with the blank or there could be a fundamental problem with the analytical process. The **MATRIX SPIKE BLANK** was a quality control sample and contained positive amounts for benzene. The results for this sample could be bias slightly high. The matrix spike blank recovery for benzene was within the acceptable criteria. No action taken on this sample. The **MATRIX SPIKE SAMPLE** result was not within the spike limits for benzene. Not enough data was given to make a decision regarding the matrix spike sample and its effect on the associated data. Due to a lack of surrogate recovery information, qualification of **MATRIX SPIKE SAMPLE** could not be provided.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed. The spike recovery for total lead was slightly high. There was not enough data included to assess the effect of the spike recovery on the associated samples.

AES Project id *970407B*
Pile Identification# *NOPO13*
Number of Samples *6*
Reviewer *Carrie A. Carlson*

General

The 6 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 4/7/97 from NOP013. Samples **NOP0131001, NOP0131002, NOP0131003, NOP0131004, and NOP0131005** were analyzed for TCLP-Benzene. Sample **NOP0132001** was analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, matrix spike blank, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0131004, NOP0131005, BLANK, and MATRIX SPIKE SAMPLE**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Surrogate recoveries for all the samples mentioned above were higher than the required limit. Samples: **NOP0131004, NOP0131005, and BLANK** were non-detects for benzene. The results are not qualified. Not enough information was available to make a judgment on the validity of the associated samples data with regards to the blank surrogate failure. The blank problem could represent an isolated problem with the blank or there could be a fundamental problem with the analytical process. The **MATRIX SPIKE SAMPLE** had a high surrogate recovery for all of the surrogate compounds, the spike result could possibly be bias high. This could account for the **MATRIX SPIKE SAMPLE** result not within the spike limits for benzene. Not enough data was given to make a decision regarding the matrix spike sample and its effect on the associated data.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970409C*
Pile Identification# *NOPO14*
Number of Samples *6*
Reviewer ***Carrie A. Carlson***

General

The 6 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 4/9/97 from NOP014. Samples **NOP0141001, NOP0141002, NOP0141003, NOP0141004, and NOP0141005** were analyzed for TCLP-Benzene. Samples **NOP0142001** was analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, matrix spike blank, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: the **MATRIX SPIKE SAMPLE**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. The **MATRIX SPIKE SAMPLE** had a high surrogate recovery for all of the surrogate compounds. The spike result could possibly be bias high. This could account for the **MATRIX SPIKE SAMPLE** result not within the spike limits for benzene. Not enough data was given to make a decision regarding the matrix spike sample and its effect on the associated data.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970410D*
Pile Identification# *NOPO15*
Number of Samples *9*
Reviewer *Carrie A. Carlson*

General

The 6 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 4/10/97 from NOP015. Samples **NOP0151001, NOP0151002, NOP0151003, NOP0151004, NOP0151005, NOP0151006, and NOP0151007** were analyzed for TCLP-Benzene. Samples **NOP0152001 and NOP0152002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, matrix spike blank, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0151006 and MATRIX SPIKE SAMPLE.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Sample **NOP0151006** had a low surrogate recovery and was positive for benzene. The result for this sample is considered an estimated value with possible low bias. The **MATRIX SPIKE SAMPLE** had a high surrogate recovery for all of the surrogate compounds, the spike result could possibly be bias high. This could account for the **MATRIX SPIKE SAMPLE** result was not within the spike limits for benzene. Not enough data was given to make a decision regarding the matrix spike sample and its effect on the associated data.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970419B*
Pile Identification# *NOPO19R1*
Number of Samples *5*
Reviewer *Carrie A. Carlson*

General

The 5 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 4/19/97 from NOP019. Samples **NOP0191001R1, NOP0191002R1, NOP0191003R3, and NOP0191004R4** were analyzed for TCLP-Benzene. Sample **NOP0192001** was analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0191001R1, NOP019003R3, NOP019004R4, BLANK, and MATRIX SPIKE SAMPLE.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Samples **NOP0191001R1 and BLANK** have one low surrogate recovery out of limits. The results are non-detects and considered estimated values with possible low bias. Not enough information was available to make a judgment on the validity of the associated samples data with regards to the blank surrogate failure. The blank problem could represent an isolated problem with the blank or there could be a fundamental problem with the analytical process. The **MATRIX SPIKE SAMPLE** had a high surrogate recovery for two of the surrogate compounds, the spike result could possibly be bias high. Not enough data was given to make a decision regarding the matrix spike sample and its effect on the associated data.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970419A*
Pile Identification# *NOPO20*
Number of Samples *6*
Reviewer *Carrie A. Carlson*

General

The 6 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 4/19/97 from NOP020. Samples **NOP0201001, NOP0201002, NOP0201003, NOP0201004, and NOP0201005** were analyzed for TCLP-Benzene. Sample **NOP0202001** was analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: Samples **NOP0201002, NOP0201003, NOP0201004, NOP0201005, BLANK, and MATRIX SPIKE SAMPLE**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Samples **NOP0201002, NOP0201004, NOP0201005, and BLANK** had low surrogate recoveries. All the results for the samples above were non-detects. The results are not qualified. Not enough information was available to make a judgment on the validity of the associated samples data with regards to the blank surrogate failure. The blank problem could represent an isolated problem with the blank or there could be a fundamental problem with the analytical process. Sample **NOP0201003** had one high and one low surrogate recovery. The non-detect result for this sample is considered an estimated value. The **MATRIX SPIKE SAMPLE** had a high surrogate recovery for two of the surrogate compounds, the spike result could possibly be bias high. However, the matrix spike recovery was within the acceptable limits.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970421F*
Pile Identification# *NOPO22*
Number of Samples *10*
Reviewer *Carrie A. Carlson*

General

The 10 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 4/21/97 from NOP022. Samples **NOP0221001, NOP0221002, NOP0221003, NOP0221004, NOP0221005, NOP0221006, NOP0221007, and NOP0221008** were analyzed for TCLP-Benzene. Samples **NOP0222001 and NOP0222002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0221003, BLANK, and MATRIX SPIKE SAMPLE**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Samples **NOP0221003 and BLANK** had surrogate recoveries lower than the lower control limit. Both results were non-detects. These results are considered estimated values. Not enough information was available to make a judgment on the validity of the associated sample data with regards to the blank surrogate failure. The blank problem could represent a isolated problem with the blank or there could be a fundamental problem with the analytical process. The **MATRIX SPIKE SAMPLE** had high surrogate recoveries. The results had positive hits for benzene. This result is considered estimated with a possible high bias. The matrix spike samples was within the spike criteria limits.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970423D*
Pile Identification# *NOPO24*
Number of Samples *9*
Reviewer *Carrie A. Carlson*

General

The 9 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 4/23/97 from NOP024. Samples **NOP0241001, NOP0241002, NOP0241003, NOP0241004, NOP0241005, NOP0241006, and NOP0241007** were analyzed for TCLP-Benzene. Samples **NOP0242001 and NOP0242002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the **MATRIX SPIKE SAMPLE**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. The **MATRIX SPIKE SAMPLE** had one surrogate recovery slightly out of limits. The surrogate recovery was higher than the upper control limit. The result is considered a estimated value with a possible high bias. The spike sample was within the spike recovery limits.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970423E*
Pile Identification# *NOPO25*
Number of Samples *6*
Reviewer *Carrie A. Carlson*

General

The 6 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 4/23/97 from NOP025. Samples **NOP0251001, NOP0251002, NOP0251003, NOP0251004, and NOP0251005** were analyzed for TCLP-Benzene. Sample **NOP0252001** was analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0251004 and MATRIX SPIKE SAMPLE**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. The **MATRIX SPIKE SAMPLE** had one surrogate recovery slightly out of limits. The surrogate recovery was higher than the upper control limit. The result is considered a estimated value with a possible high bias. The spike sample was within the spike recovery limits. Sample **NOP0251004** was slightly low for one of surrogate recoveries. The sample had a non-detect result. The sample result is considered a estimated value with a possible low bias.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970424B*
Pile Identification# *NOPO26*
Number of Samples *11*
Reviewer *Carrie A. Carlson*

General

The 6 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 4/24/97 from NOP026. Samples **NOP0261001, NOP0261002, NOP0261003, NOP0261004, NOP0261005, NOP0261006, NOP0261007, NOP0261008, and NOP0261009** were analyzed for TCLP-Benzene. Samples **NOP0262001 and NOP0262002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0261001, NOP0261002, NOP0261004, and MATRIX SPIKE SAMPLE.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. All of the samples listed above had a least one surrogate recovery lower than the lower control limit. All of these samples were non-detects except the **MATRIX SPIKE SAMPLE.** The non-detect and the detected results for the samples described are considered estimated and with a possible low bias. The matrix spike samples was within the spike recovery limits.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970422A*
Pile Identification# *NOPO23*
Number of Samples *9*
Reviewer *Carrie A. Carlson*

General

The 9 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 4/22/97 from NOP023. Samples **NOP0231001, NOP0231002, NOP0231003, NOP0231004, NOP0231005, NOP0231006, and NOP0231007** were analyzed for TCLP-Benzene. Samples **NOP0232001 and NOP0232002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0231001, NOP0231002, NOP0231004, BLANK, and MATRIX SPIKE SAMPLE.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Sample **NOP0231001** surrogate recovery was lower than the lower control limit. The sample had a non-detect result. The result is considered an estimated value. The following samples had surrogate recoveries greater than the upper control limit: **NOP0231002, NOP0231004, BLANK, and MATRIX SPIKE SAMPLE.** All of the sample results were non-detects except the matrix spike sample. Non-detect results are not qualified and detectable results are considered as an estimated value. Not enough information was available to make a judgment on the validity of the associated sample data with regards to the blank surrogate failure. The blank problem could represent a isolated problem with the blank or there could be a fundamental problem with the analytical process.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970419C*
Pile Identification# *NOPO21*
Number of Samples *9*
Reviewer *Carrie A. Carlson*

General

The 9 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 4/19/97 from NOP021. Samples **NOP0211001, NOP0211002, NOP0211003, NOP0211004, NOP0211005, NOP0211006, and NOP0211007** were analyzed for TCLP-Benzene. Samples **NOP0212001 and NOP0212002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0211001, NOP0211002, NOP0211003, NOP0211004, NOP0211005, NOP0211006, NOP0211007, BLANK, and MATRIX SPIKE SAMPLE**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Samples **NOP0211001, NOP0211002, NOP0211003, NOP0211004, NOP0211005, and NOP0211006** had surrogate recoveries greater than the upper control limits. All of the samples were non-detects. Non-detect results are not qualified for a high bias surrogate recovery. Samples **NOP0211007 and MATRIX SPIKE SAMPLE** had high surrogate recoveries. The results had positive hits for benzene. These results are considered estimated with a possible high bias. The **BLANK** samples had a slightly low surrogate recovery. The blank value is considered an estimated value with a possible low bias. Not enough information was available to make a judgment on the validity of the associated samples data with regards to the blank surrogate failure. The blank problem could represent an isolated problem with the blank or there could be a fundamental problem with the analytical process.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970425E*
Pile Identification# *NOPO27*
Number of Samples *6*
Reviewer *Carrie A. Carlson*

General

The 6 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 4/25/97 from NOP027. Samples **NOP0271001, NOP0271002, NOP0271003, NOP0271004, and NOP0261005** were analyzed for TCLP-Benzene. Sample **NOP0272001** was analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0271001, NOP0271002, NOP0271003, NOP0271005, and MATRIX SPIKE SAMPLE.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. All of the samples listed above had a least one surrogate recovery lower than the lower control limit. All of these samples were non-detects except the **MATRIX SPIKE SAMPLE.** The non-detect and the detected results for the samples described are considered estimated and possibly bias low. The matrix spike samples was within the spike recovery limits.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970429B*
Pile Identification# *NOPO28*
Number of Samples *10*
Reviewer *Carrie A. Carlson*

General

The 10 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 4/29/97 from NOP028. Samples **NOP0281001, NOP0281002, NOP0281003, NOP0281004, NOP0281005, NOP0281006, NOP0281007, and NOP0281008** were analyzed for TCLP-Benzene. Samples **NOP0282001 and NOP0282002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0281002, NOP0281003, NOP0281004, NOP0281005, NOP0281007, NOP0281008, BLANK and MATRIX SPIKE SAMPLE.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. All of the samples listed above had a least one surrogate recovery lower than the lower control limit. All of these samples were non-detects except the **MATRIX SPIKE SAMPLE.** The non-detect and the detected results for the samples described are considered estimated and possibly bias low. The matrix spike samples was within the spike recovery limits. Not enough information was available to make a judgment on the validity of the associated sample data with regards to the blank surrogate failure. The blank problem could represent a isolated problem with the blank or there could be a fundamental problem with the analytical process.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970430C*
Pile Identification# *NOPO29*
Number of Samples *11*
Reviewer *Carrie A. Carlson*

General

The 11 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 4/30/97 from NOP029. Samples **NOP0291001, NOP0291002, NOP0291003, NOP0291004, NOP0291005, NOP0291006, NOP0291007, NOP0291008, and NOP0291009** were analyzed for TCLP-Benzene. Samples **NOP0292001 and NOP0292002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0291009 and BLANK**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Sample **NOP0291009** had one surrogate recovery lower than the lower control limit. The sample was a non-detect for benzene and the result is considered an estimated value. The **BLANK** was a non-detect for benzene and the result is not qualified due to the surrogate recovery above the upper control limit. Not enough information was available to make a judgment on the validity of the associated sample data with regards to the blank surrogate failure. The blank problem could represent a isolated problem with the blank or there could be a fundamental problem with the analytical process.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970501G*
Pile Identification# *NOPO30*
Number of Samples *11*
Reviewer *Carrie A. Carlson*

General

The 11 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 5/1/97 from NOP030. Samples **NOP0301001, NOP0301002, NOP0301003, NOP0301004, NOP0301005, NOP0301006, NOP0301007, NOP0301008, and NOP0301009** were analyzed for TCLP-Benzene. Samples **NOP0302001 and NOP0302002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0301001 and NOP0301007**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Sample **NOP0301001** had one surrogate recovery lower than the lower control limit. The sample was a non-detect for benzene and the result is considered an estimated value. Sample **NOP0301007** was a non-detect for benzene and the result is not qualified due to the surrogate recovery above the upper control limit.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970502B*
Pile Identification# *NOPO31*
Number of Samples *12*
Reviewer *Carrie A. Carlson*

General

The 12 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 5/2/97 from NOP031. Samples **NOP0311001, NOP0311002, NOP0311003, NOP0311004, NOP0311005, NOP0311006, NOP0311007, NOP0311008, NOP0311009, and NOP0311010** were analyzed for TCLP-Benzene. Samples **NOP0312001 and NOP0312002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0311007, NOP0311008, NOP0311009, and NOP0311010**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Samples listed above had at least one surrogate recovery lower than the lower control limit. All of the samples were non-detects for benzene. The results are considered estimated.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970505D*
Pile Identification# *NOPO32*
Number of Samples *9*
Reviewer ***Carrie A. Carlson***

General

The 9 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 5/5/97 from NOP032. Samples **NOP0321001, NOP0321002, NOP0321003, NOP0321004, NOP0321005, NOP0321006, and NOP0320007** were analyzed for TCLP-Benzene. Samples **NOP0322001 and NOP0322002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0321002 and MATRIX SPIKE SAMPLE.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Samples listed above had at least one surrogate recovery higher than the upper control limit. Sample **NOP0321002** was a non-detect for benzene. Non-detect results with surrogate recoveries greater than the upper control limit do not need to be qualified. The **MATRIX SPIKE SAMPLE** had positive hit for benzene. The result is considered estimated. However, the spike recovery was within the required limits.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970505E*
Pile Identification# *NOPO33*
Number of Samples *12*
Reviewer *Carrie A. Carlson*

General

The 12 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 5/5/97 from NOP033. Samples **NOP0331001, NOP0331002, NOP0331003, NOP0331004, NOP0331005, NOP0331006, NOP0331007, NOP0331008, NOP0331009, and NOP0331010** were analyzed for TCLP-Benzene. Samples **NOP0332001 and NOP0332002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0331001, NOP0331003, NOP0331005, NOP0331006, NOP0331009, NOP0331010, and MATRIX SPIKE SAMPLE**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Samples listed above had at least one surrogate recovery higher than the upper control limit. Samples **NOP0331001, NOP0331005, NOP0331006, and NOP0331009** were non-detects for benzene. Non-detect results with surrogate recoveries greater than the upper control limit do not need to be qualified. Samples **NOP0331003, NOP0331010, and MATRIX SPIKE** had positive hits for benzene. The results are considered estimated with a possible high bias.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *9705060*
Pile Identification# *NOP034*
Number of Samples *11*
Reviewer *Carrie A. Carlson*

General

The 11 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 5/6/97 from NOP034. Samples **NOP0341001, NOP0341002, NOP0341003, NOP0341004, NOP0341005, NOP0341006, NOP0341007, NOP0341008, and NOP0341009** were analyzed for TCLP-Benzene. Samples **NOP0342001 and NOP0342002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0341001, NOP0341002, NOP0341003, NOP0351005, NOP0351007, NOP0351008, and MATRIX SPIKE BLANK.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. The surrogate recoveries for all of the samples above had at least one surrogate lower than the lower control limits. Samples **NOP0341002 and NOP0341005** had surrogate recoveries lower than the lower control limit. Both samples were non-detects for benzene. Non-detect results with surrogate recoveries lower than the lower control limit are considered estimated values with a possible low bias. Samples **NOP0341001, NOP0341003, NOP0341007, NOP0341008, and MATRIX SPIKE BLANK** had at least one surrogate greater than the upper control limit. All samples above were non-detects except for the matrix spike blank sample. Non-detect samples are not qualified. Matrix Spike blank result is considered an estimated value with a possible high bias. Matrix spike blank recovery and value was not given. Surrogate recovery for a matrix spike sample was not given.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970507B*
Pile Identification# *NOPO35*
Number of Samples *6*
Reviewer ***Carrie A. Carlson***

General

The 6 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 5/7/97 from NOP035. Samples **NOP0351001, NOP0351002, NOP0351003, NOP0351004, and NOP0351005** were analyzed for TCLP-Benzene. Sample **NOP0352001** was analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0351001, NOP0351002, NOP0351003, NOP0341004, NOP0351005, BLANK, and MATRIX SPIKE BLANK**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. All samples were non-detects except for **NOP0351005 and MATRIX SPIKE BLANK.** Positive and non-detect results for TCLP benzene are considered estimated values with a possible low bias. Not enough information was available to make a judgment on the validity of the associated sample data with regards to the blank surrogate failure. The blank problem could represent a isolated problem with the blank or there could be a fundamental problem with the analytical process. Surrogate recovery for the matrix spike sample and the matrix spike blank recovery were not given.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970509E*
Pile Identification# *NOPO37*
Number of Samples *10*
Reviewer *Carrie A. Carlson*

General

The 10 soil samples were received by Adirondack Environmental Services, Inc. from New York St0ate Electric & Gas on 5/9/97 from NOP037. Samples **NOP0371001, NOP0371002, NOP0371003, NOP0371004, NOP0371005, NOP0371006, NOP0371007, and NOP0371008** were analyzed for TCLP-Benzene. Samples **NOP0372001 and NOP0372002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0371001 and NOP0371008**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Both samples were non-detects and had surrogate recoveries lower than the acceptable limits. Samples **NOP0371001 and NOP0371008** are considered estimated values with a possible low bias. A Matrix spike blank surrogate recovery was given but not the percent spike recovery. The matrix spike sample recovery was present. The surrogate recovery for that sample was not given.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970510G*
Pile Identification# *NOPO38*
Number of Samples *11*
Reviewer *Carrie A. Carlson*

General

The 11 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 5/10/97 from NOP038. Samples **NOP0381001, NOP0381002, NOP0381003, NOP0381004, NOP0381005, NOP0381006, NOP0381007, NOP0381008, and NOP0381009** were analyzed for TCLP-Benzene. Samples **NOP0382001 and NOP0382002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0381003, NOP0381004, NOP0381006, NOP0381007, and NOP0381009**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Samples **NOP0381003 and NOP0381004** had surrogate recoveries higher than the upper control limit. Both samples were non-detects and results do not need to be qualified. Samples **NOP0381006, NOP0381007, and NOP0381009** surrogate recoveries were less than the acceptable control limits. All of these samples were non-detects. The results for these samples are considered estimated with a possible low bias.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970508H*
Pile Identification# *NOPO36*
Number of Samples *9*
Reviewer *Carrie A. Carlson*

General

The 9 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 5/8/97 from NOP036. Samples **NOP0361001, NOP0361002, NOP0361003, NOP0361004, NOP0361005, NOP0361006, and NOP0361007** were analyzed for TCLP-Benzene. Samples **NOP0362001 and NOP0362002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0361001, NOP0361004, NOP0361006, NOP0361007, BLANK, and MATRIX SPIKE BLANK.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. All samples were non-detects and had surrogate recoveries higher than the acceptable limits except for **MATRIX SPIKE BLANK.** Non-detect results for TCLP benzene are not qualified. Not enough information was available to make a judgment on the validity of the associated sample data with regards to the blank surrogate failure. The blank problem could represent a isolated problem with the blank or there could be a fundamental problem with the analytical process. The **MATRIX SPIKE BLANK** sample had a low surrogate recovery and the value is considered estimated with a possible low bias. The matrix spike blank value and recovery were not given. Surrogate recovery for the matrix spike sample was not given.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970512D*
Pile Identification# *NOPO39*
Number of Samples *9*
Reviewer *Carrie A. Carlson*

General

The 9 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 5/12/97 from NOP039. Samples **NOP0391001, NOP0391002, NOP0391003, NOP0391004, NOP0391005, NOP0391006, and NOP0391007** were analyzed for TCLP-Benzene. Samples **NOP0392001 and NOP0392002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0391003 and NOP0391006.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Samples **NOP0391003 and NOP0391006** had surrogate recoveries higher than the upper control limit. Both samples were non-detects and results do not need to be qualified.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970513E*
Pile Identification# *NOPO40*
Number of Samples *8*
Reviewer *Carrie A. Carlson*

General

The 8 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 5/13/97 from NOP040. Samples **NOP0401001, NOP0401002, NOP0401003, NOP0401004, NOP0401005, and NOP0401006** were analyzed for TCLP-Benzene. Samples **NOP0402001 and NOP0402002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

No technical qualifications needed.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970514D*
Pile Identification# *NOPO41*
Number of Samples *11*
Reviewer *Carrie A. Carlson*

General

The 11 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 5/14/97 from NOP041. Samples **NOP0411001, NOP0411002, NOP0411003, NOP0411004, NOP0411005, NOP0411006, NOP041107, NOP041108, and NOP0411009** were analyzed for TCLP-Benzene. Samples **NOP0412001 and NOP0412002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike blank, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

No technical qualifications needed.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970515C*
Pile Identification# *NOPO42*
Number of Samples *11*
Reviewer *Carrie A. Carlson*

General

The 11 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 5/15/97 from NOP042. Samples **NOP0421001, NOP0421002, NOP0421003, NOP0421004, NOP0421005, NOP0421006, NOP0421007, NOP0421008, and NOP0421009** were analyzed for TCLP-Benzene. Samples **NOP0422001 and NOP0422002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0421002, NOP0421003, NOP0421004, and MATRIX SPIKE BLANK**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Samples **NOP0421002, NOP0421003, and MATRIX SPIKE BLANK** had surrogate recoveries higher than the acceptable limits. The samples listed above were non-detects for benzene except for the matrix spike blank sample. The non-detect results are not qualified. The matrix spike blank sample would be considered an estimated value with a possible high bias. The matrix spike blank percent spike recovery was not given. Sample **NOP0421004** surrogate recoveries were lower than the acceptable criteria. The result is a non-detect for benzene and is considered an estimated value with a possible low bias. A Matrix spike blank surrogate recovery was given but not the percent spike recovery. The matrix spike sample recovery was present. The surrogate recovery for that sample was not given.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970516F*
Pile Identification# *NOPO43*
Number of Samples *12*
Reviewer *Carrie A. Carlson*

General

The 12 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 5/16/97 from NOP043. Samples **NOP0431001, NOP0431002, NOP0431003, NOP0431004, NOP0431005, NOP0431006, NOP0431007, NOP0431008, NOP0431009, and NOP0431010** were analyzed for TCLP-Benzene. Samples **NOP0432001 and NOP0432002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0431001, NOP0431002, and NOP0431004**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. The samples listed above were non-detects for benzene. The results are considered an estimated value with a possible low bias. A Matrix spike blank surrogate recovery was given but not the percent spike recovery. The matrix spike sample recovery was present. The surrogate recovery for that sample was not given.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970519E*
Pile Identification# *NOPO44*
Number of Samples *11*
Reviewer *Carrie A. Carlson*

General

The 11 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 5/19/97 from NOP044. Samples **NOP0441001, NOP0441002, NOP0441003, NOP0441004, NOP0441005, NOP0441006, NOP0441007, NOP0441008, and NOP0441009** were analyzed for TCLP-Benzene. Samples **NOP0442001 and NOP0442002** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0441001, NOP0441002, NOP0441003, NOP0441006, NOP0441007, NOP0441009, and BLANK.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Samples **NOP0441001, NOP0441002, and NOP0441003** surrogate recoveries were less than the lower control limit. The samples had non-detect results for benzene. The values for these samples are considered estimated with a possible low bias. Samples **NOP0441006, NOP0441007, NOP0441009, BLANK** surrogate recoveries were higher than the acceptable control limits. All of these samples were non-detects for benzene and do not need to be qualified. Not enough information was available to make a judgment on the validity of the associated sample data with regards to the blank surrogate failure. The blank problem could represent a isolated problem with the blank or there could be a fundamental problem with the analytical process. A Matrix spike blank surrogate recovery was given but not the percent spike recovery. The matrix spike sample recovery was present. The surrogate recovery for that sample was not given.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970519G*
Pile Identification# *NOPO45*
Number of Samples *15*
Reviewer *Carrie A. Carlson*

General

The 15 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 5/19/97 from NOP045. Samples **NOP0451001, NOP0451002, NOP0451003, NOP0451004, NOP0451005, NOP0451006, NOP0451007, NOP0451008, NOP0451009, NOP0451010, NOP0451011, and NOP0451012** were analyzed for TCLP-Benzene. Samples **NOP0452001, NOP0452002, and NOP0452003** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0451003, NOP0451005, NOP0451006, NOP0451007, NOP0451008, NOP0451009, NOP0451010, and BLANK**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Samples listed above all have low surrogate recoveries except the blank which has a recovery higher than the upper control limit. All of these samples were non-detects for benzene and the values are considered estimated for the samples which had low surrogate recoveries. The blank result does not need to be qualified. Not enough information was available to make a judgment on the validity of the associated sample data with regards to the blank surrogate failure. The blank problem could represent a isolated problem with the blank or there could be a fundamental problem with the analytical process. Surrogate recovery was not given for sample **NOP0451012.**

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970520A*
Pile Identification# *NOPO46*
Number of Samples *17*
Reviewer *Carrie A. Carlson*

General

The 17 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 5/20/97 from NOP046. Samples **NOP0461001, NOP0461002, NOP0461003, NOP0461004, NOP0461005, NOP0461006, NOP0461007, NOP0461008, NOP0461009, NOP0461010, NOP0461011, NOP0461012, NOP0461013, and NOP0461014** were analyzed for TCLP-Benzene. Samples **NOP0462001, NOP0462002, and NOP0462003** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0461009, NOP0461013, and NOP0461014**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Samples listed above all had high surrogate recoveries. All of these samples were non-detects for benzene. The values do not need to be qualified for surrogate recovery.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970521G*
Pile Identification# *NOPO47*
Number of Samples *14*
Reviewer *Carrie A. Carlson*

General

The 14 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 5/21/97 from NOP047. Samples **NOP0471001, NOP0471002, NOP0471003, NOP0471004, NOP0471005, NOP0471006, NOP0471007, NOP0471008, NOP0471009, NOP0471010, and NOP0471011** were analyzed for TCLP-Benzene. Samples **NOP0472001, NOP0472002, and NOP0472003** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0471003, NOP0471005, NOP0471006, and NOP0471008.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Samples listed above all had low surrogate recoveries and were non-detects for benzene. The values are considered estimated and bias low.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970522A*
Pile Identification# *NOPO48*
Number of Samples *15*
Reviewer *Carrie A. Carlson*

General

The 15soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 5/22/97 from NOP048. Samples **NOP0481001, NOP0481002, NOP0481003, NOP0481004, NOP0481005, NOP0481006, NOP0481007, NOP0481008, NOP0481009, NOP0481010, NOP0481011, and NOP0481012** were analyzed for TCLP-Benzene. Samples **NOP0482001, NOP0482002, and NOP0482003** were analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **NOP0481005, NOP0481007, NOP0481008, NOP0481010, and NOP0481011**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Samples listed above all had high surrogate recoveries and were non-detects for benzene. The values for these samples do not need to be qualified. A Matrix spike blank surrogate recovery was given but not the percent spike recovery. The matrix spike sample recovery was present. The surrogate recovery for that sample was not given.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970523G*
Pile Identification# *NOPO49*
Number of Samples *4*
Reviewer *Carrie A. Carlson*

General

The 4 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 5/23/97 from NOP049. Samples **NOP0491001, NOP0491002, and NOP049003** were analyzed for TCLP-Benzene. Sample **NOP0492001** was analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for sample **NOP0491001**. Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. The sample listed above had low surrogate recoveries and was a non-detect for benzene. The value for this sample is considered estimated with a possible low bias. A Matrix spike blank surrogate recovery was given but not the percent spike recovery. The matrix spike sample recovery was present. The surrogate recovery for that sample was not given.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.

AES Project id *970531E*
Pile Identification# *NOPLINER*
Number of Samples *5*
Reviewer *Carrie A. Carlson*

General

The 5 soil samples were received by Adirondack Environmental Services, Inc. from New York State Electric & Gas on 6/2/97 from NOPLINER. Samples **NOPLINER1, NOPLINER2, NOPLINER3, and NOPLINER4** were analyzed for TCLP-Benzene. Sample **NOPLINER5** was analyzed for the following analytes: Total Lead, BTU, Percent Sulfur, and Reactive Cyanide. Qualifications for the benzene results were based on the blank, matrix spike, and surrogate data. The conventional chemistry and total lead were qualified based on the blank, accuracy, and precision data. Technical qualifications of the data are discussed below. All other results not discussed are considered acceptable based on the quality control stated above.

TCLP Benzene

The surrogate recoveries were not within acceptable criteria for the following samples: **BLANK, NOPLINER3, and NOPLINER4.** Surrogate compounds are used to monitor extraction efficiencies for analytical protocol. Results are qualified based on recovery of any system monitoring compounds outside of the control limits. Samples listed above all had low surrogate recoveries and were non-detects for benzene. The values for these samples are considered estimated with a possible low bias. A Matrix spike blank surrogate recovery was given but not the percent spike recovery. The matrix spike sample recovery was present. The surrogate recovery for that sample was not given.

Total Lead and Conventional Chemistry

The blank, matrix spike, and matrix spike duplicate were within acceptable limits for total lead and percent sulfur. The cyanide quality control was within the laboratory criteria. The precision for cyanide was not determined due to the sample results less than reporting level. No technical qualifications needed.