ROSTRAVER AIRPORT RUNWAY SAFETY AREA

FINAL TECHNICAL REPORT

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CBRC PROJECT #01-CBRC-E41

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ABSTRACT

This report summarizes the findings of an investigation of the potential environmental impacts associated with the large volume beneficial use of Low-Permeability Cementitious (LPC) Material as structural fill for the Rostraver Airport Runway Safety Area. This project was sponsored by Reliant Energy-Orion Power MidWest, Trumbull Corporation, GAI Consultants, Inc., and the Combustion Byproducts Recycling Consortium. To date, the potential environmental impacts of the beneficial use of LPC Material has not been investigated thoroughly on large scale projects. The marketing of coal combustion products (CCPs) for beneficial use can increase the feasibility of development projects and can significantly reduce disposal costs without compromising the environment. The potential impacts to air, surface water, groundwater, and environmental compliance have been quantified based on the information obtained during construction of the runway safety area.

Quantifying the potential environmental impacts for large scale CCP projects will support the development of future large scale CCP beneficial use projects.

This investigation included:

- monitoring air quality, water quality, and construction activities during the placement of LPC Material in the field; and

- evaluation of potential impacts on the air quality, water quality, and field operations.

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INTRODUCTION

The Westmoreland County Airport Authority (WCAA) and Reliant Energy-Orion Power MidWest (OPMW) agreed to construct a Runway Safety Area at the Rostraver Airport located in Rostraver Township, Westmoreland County, Pennsylvania. GAI Consultants, Inc. (GAI), on behalf of Reliant Energy (who is acting on behalf of OPMW) and the WCAA, has prepared this report as part of the commitment to report air and water quality in the vicinity of Rostraver Airport along with QA/QC results of the placement of Low-Permeability Cementitious (LPC) Material as structural fill. Supporting documentation is included herein. To develop the findings, background air and water quality data were collected prior to the placement of the LPC Material associated with the proposed runway safety area (January 2001)and emergency access road (November 2, 2000). Background air and water quality data was collected in accordance with Items 3 and 4 of the August 2, 2000 project approval letter from the Pennsylvania Department of Environmental Protection (PaDEP) concerning General Permit WMGR052. During the construction phase of the project, monitoring of air quality, water quality, and QA/QC of the placement of LPC Material was performed. The air quality monitoring was performed on a monthly basis during construction. The water quality monitoring was performed on a quarterly basis during construction. The collection of samples for the air and water quality monitoring was performed by a third party sampler. The QA/QC analysis of the LPC Material placed at the site was done one to two times per week by GAI during placement activities of LPC Material at the site. In June 2002, a honeybee study was implemented to determine if the placement activities of LPC Material had any adverse effects on the activity of honeybees and their hives. For background data, three control hives were located in an off-site remote area for comparison to the hives placed at the project site.

EXECUTIVE SUMMARY

This report provides s summary of the activities and monitoring that took place during the placement of a large volume of CCP at the Rostraver Airport Runway Safety Area. Much of the information obtained during pre-construction, construction, and post-construction was to determine whether or not the large volume beneficial use of CCPs had the potential to create an environmental impact in the area of the project. Background samples for both air quality and water quality were collected prior to the placement of LPC Material in the fill area. Air quality samples, collected using dustfall buckets placed in close proximity to the fill area **did not exceed** the PaDEP dustfall standards established prior to the beginning of the project. Water quality samples collected during the project were compared to background levels of samples collected before LPC Material placement. The background monitoring data showed that exceedances of secondary drinking water standards were observed at several locations prior to construction. The water quality for springs and wells during the project remained within the established background levels. The placement of the LPC Material in the fill was also monitored. Based on monitoring performed by GAI, the placement of LPC Material complied with standards for compaction established prior to the start of placement activities. A unique experiment involving honeybees was proposed and implemented during the last year of the project as an additional way to assess the impact of LPC Material in the area. The components involved in the production of honey were tested to determine if the LPC Material impacted their quality. The four media tested were honey, wax, pollen, and the honeybees themselves. The media were tested for metals that have been identified as the most likely to be taken up by the bees and transferred through the pollen to the bees in the hives, the honey, and the wax. The results of the testing for the fill site hives showed similar constituent levels to those tested at the background hives. The results presented in this report demonstrate that the placement of LPC Material at the project site has not had an impact to the area surrounding the Rostraver Airport site.

AIR QUALITY

Air quality (dustfall) sampling devices were installed at the beginning of the project in accordance with ASTM D 1739-98, Standard Test Method for Collection and Measurement of Dustfall (Settleable Particulate Matter), at eight locations on site and contiguous to the site to collect samples for analytical testing to establish background air quality data relating to the settled particulate material (dustfall) from air borne sources. These eight dustfall sampling devices were installed approximately two months prior to the placement of LPC Material at the site. A ninth sampling location was added on site in the vicinity of the sedimentation pond upon completion of its construction (November 2000). A tenth location was added for the August 2001 sampling period at the entrance of the Haul/Access Road. The location of the dustfall sampling devices are shown on the attached Drawing 97-359-A005.

Experimental

The dustfall containers were installed in accordance with the procedures described in ASTM D1739-98, "Standard Test Method for Collection and Measurement of Dustfall (Settleable Particulate Matter)." Dustfall containers DB-01, DB-02, DB-03, and DB-04 were installed on September 1, 2000; dustfall containers DB-05, DB-06, and DB-08 were installed on September 15, 2000; and dustfall container DB-07 was installed on September 5, 2000. Dustfall container DB-09 was installed on November 7, 2000 after sediment pond construction was completed. Dustfall container DB-10 was installed in August 2001. The dustfall containers are six inches in diameter and 12 inches in height. The dustfall containers were placed in a stand with a wind screen and the top of the sample containers are approximately two meters above the ground surface.

New dustfall containers were installed at each new sampling. The dustfall containers were rinsed with distilled water prior to installation in order to remove any extraneous material which may be present in the containers. Once the dustfall containers were ready for use, the dustfall container identification, project number, and date of installation were clearly marked on the outside of the container. Prior to placing the dustfall sample container into the dustfall container stand, approximately 100 milliliters (m/L) of distilled water, methanol, or copper sulfate solution was placed into the containers. Distilled water was utilized for late spring and fall when the probability of freezing and/or algal growth is at a minimum; methanol was added during the winter months to lower the freezing point of any precipitation which may accumulate in the containers; and a copper sulfate solution was added during the late spring, summer, and early fall months to eliminate algal growth in the

sample containers. At the end of the sampling period a new lid for the sampling container was marked with the dustfall container identification, rinsed with distilled water, and placed over the sample container. After the dustfall sample container was removed from its stand, the dustfall container was marked with the date of removal.

Discussion and Results

The dustfall containers placed during September and October, 2000 were sampled prior to the placement of any LPC Material at the project site and are designated as background data. All ten dustfall bucket analytical results are presented in Tables 2 thru 11. Dustfall container analysis through the project period yielded no exceedances of the PaDEP monthly dustfall standard of 1.5 mg/cm^2/mo. Results at several sampling sites were voided at various times due to uncharacteristic contents in the dust containers. These anomalies were explained by activities at the site such as seeding, grass cutting, helicopter hovering, and other unusual circumstances not common to every day construction activities at the site. The results of the monitoring program indicates the range of dustfall was a low of 0.0 mg/cm^2/mo to a high of 1.47 mg/cm^2/mo. The PaDEP monthly dustfall standard for non-voided samples was not exceeded during the construction period.

WATER QUALITY - SPRINGS AND WELLS

To establish ground water quality in the vicinity of the project site, background water quality samples were collected from eight local residents and the previously sampled surface water locations on August 29, 2000; September 12, 2000; September 26, 2000; October 10, 2000; and October 24, 2000. The first background sample collected (August 29, 2000) from sampling location RES-5 was replaced by an additional sample collected on November 3, 2000. Sampling subsequent to the August 29, 2000 sampling revealed that the initial sampling at RES-5 was at a location after treatment and would not be representative of ground water quality. The first background sample for sampling location RES-6 was collected on September 5, 2000. Sampling locations are shown on the attached Drawing 97-359-A004. A description of the water source is included as Table 12. Action Levels for LPC Material, including arsenic, cadmium, lead, mercury, and selenium, have been set based on values reported in the "Water Quality Plan", dated January 2000. All other parameters were monitored only according to the "Water Quality Plan" and were compared to drinking water standards, where applicable. Water samples collected from residents' wells, springs, ponds, and cisterns, and the samples obtained from the previously sampled surface water locations, were sampled and analyzed for the parameters listed in Table 5.

The testing for these parameters is consistent with the requirements of Item 5 of the August 2, 2000 project approval letter from the PaDEP.

Experimental

Water samples collected from surface water locations (SP-1, SP-2, SP-3, SP-4, SP-6, RES-7D, and RES-7E) were collected from the area where flow was at a maximum (outfall of ponds and/or center of stream). Springs which were flowing (SP-5, RES-7B, and RES-8) were sampled in a location in which flow was observed at a maximum. Water samples collected from locations RES-5, RES-7A, and RES-7C were collected using a disposable bailer. Samples collected from spigots (RES-1, RES-2, RES-3, RES-4, and RES-6) were collected after opening the spigot and permitting the water to flow for several minutes. All samples collected were kept in an iced cooler until delivery at the laboratory.

Discussion and Results

Water samples were analyzed for the parameters listed in Table 5. The analytical methods utilized for sample analyses are listed in Table 14. The parameters were analyzed with detection limits intended to be at or below the primary and secondary drinking water standards, where applicable. Arsenic, cadmium, chromium, and mercury and selenium were analyzed at detection limits below the Action Levels identified for this project (arsenic, cadmium, chromium, mercury, and selenium). [Selenium was analyzed at a detection limit of 0.2 milligrams per liter (mg/L) for the August 29, 2000 and September 2, 2000 sampling dates, and at a detection limit of 0.0075 mg/L for subsequent samples.] The Action Levels for arsenic, cadmium, chromium, mercury, and selenium associated with LPC Material are 0.015 mg/L, 0.002 mg/L, 0.009 mg/L, 0.0005 mg/L, and 0.010 mg/L, respectively.

No exceedances of the action levels were observed in the background testing and analysis. Table 13 presents a summary of the sampling locations and parameters for which primary or secondary exceedances were observed at the sampling locations during the background water quality testing period. Secondary drinking water standards pertain to contaminants that may adversely affect the aesthetic quality of drinking water, such as color, odor, and taste. The results of water quality analyses for both background testing and during the construction monitoring periods are included as Tables 18 thru 53. Shaded values in the tables indicate values which exceed the primary or secondary drinking water standards for the monitor only parameters for this project.

WATER QUALITY - SEDIMENTATION POND OUTFALL

Water Quality Analysis of the Sedimentation Pond Outfall was established after completion of the sedimentation pond. Since this outfall site is a result of construction activities, background samples were unable to be taken. A description of the water source is included in Table 12. Water samples collected from the outfall were sampled and analyzed for the parameters outlined in the water quality plan for the sedimentation pond and toe drain presented in Table 17.

Experimental

Water samples collected from the sedimentation pond outfall (Outfall 013) were collected at the point of the discharge pipe from the pond before entering the receiving stream. A 12-inch black corrugated pipe discharged water from the sedimentation pond to the receiving stream. Three samples were collected, one each for general analysis, metals, and oil and grease. If possible, a flow measurement was done during each visit to the outfall site. The outfall was sampled two times per month during the construction phase of the project. All samples collected were kept in an iced cooler until delivery at the laboratory.

Water samples were analyzed for oil and grease, pH, total Suspended Solids, Aluminum, Arsenic, Boron, Iron, Mercury, Selenium, and Zinc. The analytical methods utilized for sample analysis are listed in Table 16. The parameters were analyzed with detection limits intended to be at or below the primary and secondary drinking water standards, where applicable.

Discussion and Results

The results of sampling of the sediment pond outfall are presented in Tables 54 and 55. The monthly average and instantaneous maximum for the testing parameters are presented in these tables. The measurement of flow from the discharge pipe varied throughout the project depending largely on weather conditions. Dry periods during the summer months many times yielded no flow from the discharge pipe. During the winter months, the outfall frequently became frozen, resulting in no sample for that visit. Since the outfall was sampled twice each month, at least one sample was collected for analysis each month except for a couple of months which simply report no flow.

WATER QUALITY - SPRING DRAIN/TOE DRAIN

The toe drain at Rostraver Airport was installed in December 2000, as part of the underdrain system for the proposed fill using LPC Material. The underdrain system collects both groundwater from seeps and springs, and surface water from areas upgradient of the toe drain/underdrain. The December 11, 2000 sample was collected shortly after the toe berm and underdrain appurtenances were in place, and prior to the placement of bottom ash or LPC Material in the fill area. The sampling reflects both surface water and groundwater quality for the area contingent to the proposed fill.

The spring drain was installed May 9, 2001. The spring drain was installed to drain a spring that was encountered in the subgrade but due to the underdrain pipe configuration in the fill area, the spring drain pipe could also collect underdrain flow from approximately 0.5-acre of the site. Once an underdrain pipe was installed upgradient of the spring drain the wedge of the bottom ash that drained to the spring drain pipe was capped with LPC Material. As the fill developed, the influence of infiltrating rain water on the spring drain discharge was eliminated. Since the spring drain discharged water from installation to the end of the second quarter of 2001, the discharge was compared to the limits in Condition 4 of the PaDEP permit letter.

Experimental

The toe drain and spring drain were sampled on a quarterly basis along with the springs and wells. Two samples were collected at each site, each for general analysis and metals analysis. Fixed parameters tested at the time of sampling included pH, temperature and conductivity. Some re-sampling of the toe drain was done in March 2001 to gather data to establish a baseline of the water chemistry for the toe drain. All samples were stored in a cooler until delivery to the laboratory. Water samples from the toe drain and spring drain were analyzed for the parameters presented in Table 15 and Table 16 respectfully. The analytical methods utilized for sample analysis are listed in Table 14 for the toe drain and Table 16 for the spring drain. The parameters were analyzed with detection limits intended to be at or below the primary and secondary drinking water standards, where applicable.

Discussion and Results

The results of all sampling periods for the toe drain and spring drain are presented in Tables 56 and 57, respectively.

NUCLEAR DENSITY TESTING - QA/QC OF LPC MATERIAL

The QA/QC analysis of the LPC Material being placed in the fill area was done with a Nuclear Density Gauge. The readings from each test provides information to determine the percentage of compaction of the LPC Material after placement. The tests conducted early in the project were used by GAI to develop a calibration factor for moisture content to be used in all subsequent testing. This calibration factor was necessary since the gauge is calibrated for common soil testing rather than the unique mixture characteristics of the LPC Material. The nuclear density gauge provides the moisture and density characteristics of the tested LPC Material, which in conjunction with the calibration factor and standard proctor curve of the LPC Material, is used to determine a percentage of compaction of the placed LPC Material. The Proctor Curve used was developed through Standard Proctor testing of LPC Material samples brought from the field to the laboratory.

Experimental

The QA/QC testing of the LPC Material is performed using a nuclear density gauge. A suitable location (flat) on the fill is chosen and prepared for the density testing. A steel plate is set on the surface and a steel rod is driven into the ground 12 inches to allow the density gauge probe to enter the LPC Material at the full length. Once the probe has entered the LPC Material to full length, the test is started and runs a cycle of 60 seconds. The moisture and density results, displayed by the gauge after the testing cycle, are used to determine the percent compaction of the placed LPC Material. Once testing is complete at a location, a sample of the LPC Material is put into a plastic Ziploc® bag, and transported back to the laboratory for moisture content.

Discussion and Results

The results of the density testing are used to determine the quality of the placed LPC Material in the fill area. If a test fails, the area is retested, if possible, until a passing test is completed. For this project and fill material, a standard compaction percentage of 97 percent is used as a pass/fail point. The results of all tests performed in the fill area are presented as Table 59.

APIS MELLIFERA (HONEYBEE) STUDY

Honeybees are useful samplers of the environment in which they are kept and have been used to assess atmospheric and other types of pollution. Honeybees serve as samplers that average the concentrations of pollutants over time and throughout the large spatial areas in which they forage. Honeybees sample contaminants in all forms - gaseous, liquid, and particulate. Most of the contamination the honeybees are exposed to ends up in the honeybees themselves, the pollen carried to the hive and in their products such as honey, beeswax, and propolis. Therefore, honeybees were selected as a cost effective and scientifically acceptable procedure to sample the environment around the Rostraver Airport. The honeybees would, in effect, sample the air, water and particulates that settle out of the air during their daily forays into fields and meadows to gather pollen and nectar.

Experimental

The sampling and testing program will be conducted over a two-year period. It is intended to sample the hives approximately quarterly. No sampling or disturbance of the colonies will be done during the winter months. Sampling will only occur when the honeybees are active and foraging. A total of eight rounds of sampling will be completed. There are three honeybee colonies (hives) at the apiary near McDonald, Pennsylvania for control hives and three hives near the work area at the Rostraver Airport. The control hives are numbered 4H, 5H and 6H (H meaning Home). Th Airport hives are numbered 1A, 2A, and 3A (A meaning Airport). The sampling procedure requires that each colony is sampled for the products to be tested and that one composite sample is prepared for each site. The materials sampled from each hive included: honeybees, honey and wax, and wax and pollen. Sampling the control and airport hives will be performed on a single day. Four elements were selected to be quantitatively measured in the honeybees and their products: arsenic (As), selenium (Se), barium (Ba), and manganese (Mn). Two of these elements, arsenic and selenium were found in higher concentrations in the LPC Material than in the ambient environment. The barium and manganese were typically in higher concentrations in the ambient environmental than in the LPC Material. The test would determine if the honeybees were able to pickup these elements in significant quantities from either the LPC Material or the environment.

Discussion and Results

The results of the first five rounds of sampling do not show any trends for the parameters tested. The one parameter present in almost all of the samples is manganese, however, this was designated as a parameter that is more prevalent in the ambient environment rather than the LPC Material. The levels of manganese are not consistently higher at one site, but rather fluctuate between each site. Barium is also present in samples taken from the Home and Airport. Selenium and arsenic, the two parameters with high concentration in the LPC Material, remained below the detection except for a few samples at the Home and airport. At this point, with only five rounds of data to work with, there is no correlation between higher levels of contaminants in the honeybees and their production with the placement of LPC Material. All the results of the first five round of sampling are presented in Table 59.

SUMMARY AND CONCLUSION

The following provides a summary of the significant findings of this investigation based on information presently available. Additional post-construction monitoring and data collection will be done for a minimum of five years past construction.

Air Quality

- Background data and monthly data collected during construction activities routinely indicated airborne emission levels below standard limits established by the PaDEP.
- Air quality was not compromised during seasonal variation (i.e., dry periods).
- Voided samples not included in the analysis were due to unusual contents caused by discrete events not associated with the construction activities.

Water Quality

- Background data collected illustrated no action level exceedance. However, certain background parameters existed at levels above primary and secondary standards.
- Quarterly data collected during construction and post-construction of the project indicate that background levels have remained on the same order of magnitude.
- The LPC Material placement did not compromise the water quality of the area in close proximity to the fill area.

LPC Material Placement QA/QC

- LPC Material was placed in the fill for a period of 27 months.
- Placement and compaction of the LPC Material was accomplished in a timely manner, resulting in reduced dustfall emissions and provided the highest degree of compaction possible.
- LPC Material variability affected the compaction characteristics.

Apis Mellifera (Honeybee) Study

- Three hives at the home of the beekeeper were designated as background hives.

- Three hives at the Rostraver Airport were designated as the sample hives.

- Comparison of data between the background hives and airport hives has not resulted in any trends indicating the LPC Material placement has an adverse affect on the honeybee activities.

- Additional data will continue to be collected.

The investigation of LPC Material placement has resulted in minimal, if any, environmental impact to the contiguous area of the Rostraver Airport Runway Safety Area. Established environmental standards were met throughout the project with pre-project environmental conditions maintained throughout the duration of the construction activities. While the investigation and monitoring of the large volume beneficial use of LPC Material is in the early stages, the investigation indicates that beneficial use is a viable alternative to the disposal by landfill.

REFERENCES

None.

TABLES

Table 1

ROSTRAVER AIRPORT BACKGROUND DUSTFALL CONTAINER ANALYTICAL RESULTS

Sample Designation	September 2000[1]			October 2000[2]		
	Insoluble Fraction (mg/cm²/mo)	Soluble Fraction (mg/cm²/mo)	Total Dustfall (mg/cm²/mo)	Insoluble Fraction (mg/cm²/mo)	Soluble Fraction (mg/cm²/mo)	Total Dustfall (mg/cm+G23/mo)
DB-01	0.051	0.066	0.12	0.047	0.129	0.18
DB-02	0.032	0.071	0.1	0.042	0.079	0.12
DB-03	0.031	0.06	0.09	0.056	0.06	0.12
DB-04	6.869	0.127	7.00[3]	0.349	0.077	0.43
DB-05	0.124	0.015	0.14[4]	1.054	0.122	1.18
DB-06	0.037	0.051	0.09[4]	0.112	0.100	0.21
DB-07	0.02	0.045	0.07[5]	0.018	0.067	0.09
DB-08	0.054	0.019	0.07[4]	0.058	0.109	0.16
DB-09	Not installed for this sampling period			Not installed for this sampling period		
DB-10	Not installed for this sampling period			Not installed for this sampling period		

Notes:

(1) Sampling period for September equals 32 days except where noted.

(2) Sampling period for October equals 29 days.

(3) Layer of dustfall observed in sample container-results voided by laboratory. Appeard that Dustfall Bucket had been mover or disturbed.

(4) Sampling period equals 17 days.

(5) Sampling period equals 27 days.

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Table 2

Rostraver Airport Dust Bucket Analytical Results

AIR SAMPLING RESULTS FOR LOCATION DB-01

SEPTEMBER 2000 THROUGH AUGUST 2003

SAMPLE DATE	INSOLUBLE FRACTION ($mg/cm^2/mo$)	SOLUBLE FRACTION ($mg/cm^2/mo$)	TOTAL DUSTFALL ($mg/cm^2/mo$)
Nov-00	0.024	0.125	0.15
Dec-00	0.022	0.031	0.05
Jan-01	0.012	0.037	0.05
Feb-01	0.033	0.073	0.11
Mar-01	0.035	0.053	0.09
Apr-01	0.133	0.098	0.23
May-01	0.126	0.106	0.23
Jun-01	0.076	0.129	0.21
Jul-01	0.415	0.318	0.73
Aug-01	0.049	0.104	0.15
Sep-01	0.037	0.107	0.14
Oct-01	0.200	0.244	0.44
Nov-01	0.007	0.051	0.06
Dec-01	0.100	0.127	0.23
Annual Average Jan-01 to Dec-01	**0.10**	**0.12**	**0.22**
Jan-02	0.064	0.142	0.21
Feb-02	0.052	0.045	0.10
Mar-02	0.122	0.211	0.33
Apr-02	Void	Void	Void
May-02	Void	Void	Void
Jun-02	Void	Void	Void
Jul-02	0.123	0.172	0.29
Aug-02	0.116	0.175	0.29
Sep-02	0.216	0.579	0.80
Oct-02	0.063	0.250	0.31
Nov-02	0.081	0.563	0.64
Dec-02	Void	Void	Void
Annual Average Jan-02 to Dec-02	**0.10**	**0.27**	**0.37**
Jan-03	Void	Void	Void
Feb-03	0.007	0.044	0.05
Mar-03	0.060	0.079	0.14
Apr-03	0.047	0.135	0.18
May-03	0.087	0.269	0.36
Jun-03	0.071	0.209	0.28
Jul-03	0.052	0.288	0.34
Aug-03	0.028	0.183	0.21
Annual Average Jan-03 to Aug-03	**0.00**	**0.00**	**0.00**

(1) Voided samples due to sampler error, excessive amounts of organic material(humus) due to mowing activities in the vicinity of the dustfall buckets, various insect parts or contaminants not consistent with the construction activities. Voided samples are not included in the annual average.

Table 3

Rostraver Airport Dust Bucket Analytical Results

AIR SAMPLING RESULTS FOR LOCATION DB-02

SEPTEMBER 2000 THROUGH AUGUST 2003

SAMPLE DATE	INSOLUBLE FRACTION ($mg/cm^2/mo$)	SOLUBLE FRACTION ($mg/cm^2/mo$)	TOTAL DUSTFALL ($mg/cm^2/mo$)
Nov-00	0.020	0.077	0.10
Dec-00	0.030	0.004	0.03
Jan-01	0.002	0.028	0.03
Feb-01	0.037	0.065	0.10
Mar-01	0.020	0.037	0.06
Apr-01	0.051	0.084	0.14
May-01	0.091	0.097	0.19
Jun-01	0.053	0.144	0.20
Jul-01	0.577	0.330	0.91
Aug-01	0.162	0.058	0.22
Sep-01	0.091	0.086	0.18
Oct-01	0.054	0.171	0.23
Nov-01	0.012	0.032	0.04
Dec-01	0.004	0.049	0.05
Annual Average Jan-01 to Dec-01	**0.096**	**0.098**	**0.195**
Jan-02	0.040	0.184	0.22
Feb-02	0.031	0.028	0.06
Mar-02	0.047	0.231	0.28
Apr-02	0.050	0.076	0.13
May-02	0.036	0.082	0.12
Jun-02	Void	Void	Void
Jul-02	0.108	0.079	0.19
Aug-02	0.074	0.140	0.21
Sep-02	0.175	0.374	0.55
Oct-02	0.010	0.174	0.18
Nov-02	0.031	0.259	0.29
Dec-02	Void	Void	Void
Annual Average Jan-02 to Dec-02	**0.060**	**0.163**	**0.223**
Jan-03	Void	Void	Void
Feb-03	0.001	0.090	0.09
Mar-03	0.045	0.063	0.11
Apr-03	0.112	0.146	0.26
May-03	0.070	0.261	0.33
Jun-03	0.002	0.190	0.19
Jul-03	0.020	0.273	0.29
Aug-03	0.006	0.149	0.16
Annual Average Jan-03 to Aug-03	**0.037**	**0.167**	**0.204**

(1) Voided samples due to sampler error, excessive amounts of organic material(humus) due to mowing activities in the vicinity of the dustfall buckets, various insect parts or contaminants not consistent with the construction activities. Voided samples are not included in the annual average.

Table 4

Rostraver Airport Dust Bucket Analytical Results

AIR SAMPLING RESULTS FOR LOCATION DB-03

SEPTEMBER 2000 THROUGH AUGUST 2003

SAMPLE DATE	INSOLUBLE FRACTION ($mg/cm^2/mo$)	SOLUBLE FRACTION ($mg/cm^2/mo$)	TOTAL DUSTFALL ($mg/cm^2/mo$)
Nov-00	0.014	0.058	0.07
Dec-00	0.011	0.029	0.04
Jan-01	0.014	0.030	0.04
Feb-01	0.013	0.024	0.04
Mar-01	0.009	0.053	0.06
Apr-01	0.045	0.111	0.16
May-01	0.102	0.082	0.18
Jun-01	0.077	0.185	0.26
Jul-01	0.082	0.102	0.18
Aug-01	0.056	0.100	0.16
Sep-01	0.040	0.061	0.10
Oct-01	0.077	0.303	0.38
Nov-01	0.003	0.041	0.04
Dec-01	0.003	0.060	0.06
Annual Average Jan-01 to Dec-01	**0.043**	**0.096**	**0.139**
Jan-02	0.030	0.126	0.16
Feb-02	0.112	0.287	0.40
Mar-02	0.094	0.124	0.22
Apr-02	0.046	0.080	0.13
May-02	0.045	0.098	0.14
Jun-02	Void	Void	Void
Jul-02	0.087	0.113	0.20
Aug-02	0.082	0.17	0.25
Sep-02	0.15	0.398	0.55
Oct-02	0.017	0.168	0.18
Nov-02	0.005	0.257	0.26
Dec-02	Void	Void	Void
Annual Average Jan-02 to Dec-02	**0.067**	**0.182**	**0.248**
Jan-03	Void	Void	Void
Feb-03	0.002	0.012	0.01
Mar-03	0.066	0.127	0.19
Apr-03	0.06	0.155	0.21
May-03	0.042	0.252	0.29
Jun-03	0.08	0.16	0.24
Jul-03	0.131	0.364	0.50
Aug-03	0.049	0.218	0.27
Annual Average Jan-03 to Aug-03	**0.061**	**0.184**	**0.244**

(1) Voided samples due to sampler error, excessive amounts of organic material(humus) due to mowing activities in the vicinity of the dustfall buckets, various insect parts or contaminants not consistent with the construction activities. Voided samples are not included in the annual average.

Table 5

Rostraver Airport Dust Bucket Analytical Results

AIR SAMPLING RESULTS FOR LOCATION DB-04

SEPTEMBER 2000 THROUGH AUGUST 2003

SAMPLE DATE	INSOLUBLE FRACTION ($mg/cm^2/mo$)	SOLUBLE FRACTION ($mg/cm^2/mo$)	TOTAL DUSTFALL ($mg/cm^2/mo$)
Nov-00	2.353	0.074	2.43
Dec-00	0.089	0.014	0.10
Jan-01	0.032	0.024	0.06
Feb-01	0.093	0.056	0.15
Mar-01	0.008	0.057	0.07
Apr-01	0.100	0.136	0.24
May-01	0.120	0.131	0.25
Jun-01	0.932	0.197	1.13
Jul-01	0.146	0.126	0.27
Aug-01	0.051	0.080	0.13
Sep-01	0.058	0.104	0.16
Oct-01	0.065	0.214	0.28
Nov-01	0.010	0.063	0.07
Dec-01	0.010	0.061	0.07
Annual Average Jan-01 to Dec-01	**0.135**	**0.104**	**0.240**
Jan-02	0.035	0.138	0.17
Feb-02	0.034	0.037	0.07
Mar-02	0.043	0.072	0.12
Apr-02	0.114	0.072	0.19
May-02	0.017	0.122	0.14
Jun-02	Void	Void	Void
Jul-02	0.198	0.144	0.34
Aug-02	0.134	0.158	0.29
Sep-02	0.221	0.349	0.57
Oct-02	0.037	0.177	0.21
Nov-02	0.008	0.308	0.32
Dec-02	Void	Void	Void
Annual Average Jan-02 to Dec-02	**0.084**	**0.158**	**0.241**
Jan-03	Void	Void	Void
Feb-03	0.02	0.091	0.11
Mar-03	0.201	0.134	0.34
Apr-03	0.55	0.366	0.92
May-03	1.065	0.406	1.47
Jun-03	Void*	1.429*	1.43*
Jul-03	0.782	0.412	1.19
Aug-03	0.461	0.294	0.76
Annual Average Jan-03 to Aug-03	**0.513**	**0.284**	**0.798**

(1) Voided samples due to sampler error, excessive amounts of organic material(humus) due to mowing activities in the vicinity of the dustfall buckets, various insect parts or contaminants not consistent with the construction activities. Voided samples are not included in the annual average.

Table 6
Rostraver Airport Dust Bucket Analytical Results
AIR SAMPLING RESULTS FOR LOCATION DB-05
SEPTEMBER 2000 THROUGH AUGUST 2003

SAMPLE DATE	INSOLUBLE FRACTION (mg/cm²/mo)	SOLUBLE FRACTION (mg/cm²/mo)	TOTAL DUSTFALL (mg/cm²/mo)
Nov-00	0.205	0.118	0.32
Dec-00	0.049	0.037	0.09
Jan-01	0.013	0.021	0.03
Feb-01	0.016	0.041	0.06
Mar-01	0.055	0.111	0.17
Apr-01	0.06	0.118	0.18
May-01	0.096	0.086	0.18
Jun-01	0.071	0.16	0.23
Jul-01	Void	Void	Void
Aug-01	0.195	0.151	0.35
Sep-01	0.034	0.052	0.09
Oct-01	0.039	0.196	0.24
Nov-01	0.016	0.048	0.06
Dec-01	0.049	0.201	0.25
Annual Average Jan-01 to Dec-01	**0.059**	**0.108**	**0.166**
Jan-02	Void	1.073	1.07
Feb-02	Void	2.894	2.98*
Mar-02	Void	0.943	0.94
Apr-02	Void	0.554	0.55
May-02	Void	Void	Void*
Jun-02	Void	Void	Void
Jul-02	Void	Void	Void
Aug-02	Void	0.804	0.8
Sep-02	0.061	0.691	0.75
Oct-02	0.245	0.648	0.89
Nov-02	0.106	0.649	0.75
Dec-02	Void	Void	Void
Annual Average Jan-02 to Dec-02	**0.137**	**1.032**	**0.822**
Jan-03	Void	Void	Void
Feb-03	0.023	0.097	0.12
Mar-03	Void	Void	Void
Apr-03	0.342	0.418	0.76
May-03	Void	Void	Void
Jun-03	Void*	3.351*	3.35*
Jul-03	Void	Void	Void
Aug-03	Void	Void	Void
Annual Average Jan-03 to Aug-03	**0.183**	**0.258**	**0.440**

(1) Voided samples due to sampler error, excessive amounts of organic material(humus) due to mowing activities in the vicinity of the dustfall buckets, various insect parts or contaminants not consistent with the construction activities. Voided samples are not included in the annual average.

Table 7

Rostraver Airport Dust Bucket Analytical Results

AIR SAMPLING RESULTS FOR LOCATION DB-06

SEPTEMBER 2000 THROUGH AUGUST 2003

SAMPLE DATE	INSOLUBLE FRACTION ($mg/cm^2/mo$)	SOLUBLE FRACTION ($mg/cm^2/mo$)	TOTAL DUSTFALL ($mg/cm^2/mo$)
Nov-00	0.081	0.096	0.18
Dec-00	0.042	0.056	0.10
Jan-01	0.061	0.099	0.16
Feb-01	0.030	0.067	0.10
Mar-01	0.027	0.039	0.07
Apr-01	0.041	0.029	0.07
May-01	0.111	0.092	0.20
Jun-01	0.053	0.146	0.20
Jul-01	0.35	0.163	0.51
Aug-01	Void	Void	Void
Sep-01	0.043	0.048	0.09
Oct-01	0.101	0.19	0.29
Nov-01	0.015	0.061	0.08
Dec-01	0.021	0.064	0.09
Annual Average Jan-01 to Dec-01	**0.078**	**0.091**	**0.168**
Jan-02	0.056	0.152	0.21
Feb-02	1.900	0.185	2.09
Mar-02	0.108	0.140	0.25
Apr-02	0.137	0.129	0.27
May-02	0.018	0.144	0.16
Jun-02	Void	Void	Void
Jul-02	0.123	0.107	0.23
Aug-02	0.192	0.196	0.39
Sep-02	0.202	0.57	0.77
Oct-02	0.046	0.211	0.26
Nov-02	0.027	0.335	0.36
Dec-02	Void	Void	Void
Annual Average Jan-02 to Dec-02	**0.281**	**0.217**	**0.498**
Jan-03	Void	Void	Void
Feb-03	0.01	0.049	0.06
Mar-03	0.115	0.098	0.21
Apr-03	0.154	0.196	0.35
May-03	0.062	0.259	0.32
Jun-03	0.088	0.241	0.33
Jul-03	0.065	0.335	0.40
Aug-03	0.044	0.242	0.29
Annual Average Jan-03 to Aug-03	**0.077**	**0.203**	**0.280**

(1) Voided samples due to sampler error, excessive amounts of organic material(humus) due to mowing activities in the vicinity of the dustfall buckets, various insect parts or contaminants not consistent with the construction activities. Voided samples are not included in the annual average.

Table 8

Rostraver Airport Dust Bucket Analytical Results

AIR SAMPLING RESULTS FOR LOCATION DB-07

SEPTEMBER 2000 THROUGH AUGUST 2003

SAMPLE DATE	INSOLUBLE FRACTION ($mg/cm^2/mo$)	SOLUBLE FRACTION ($mg/cm^2/mo$)	TOTAL DUSTFALL ($mg/cm^2/mo$)
Nov-00	0.020	0.065	0.09
Dec-00	0.025	0.028	0.05
Jan-01	0.012	0.035	0.05
Feb-01	0.040	0.062	0.10
Mar-01	0.025	0.038	0.06
Apr-01	0.082	0.107	0.19
May-01	0.114	0.116	0.23
Jun-01	Void	Void	Void
Jul-01	0.201	0.198	0.40
Aug-01	0.049	0.102	0.15
Sep-01	0.022	0.083	0.11
Oct-01	0.064	0.161	0.23
Nov-01	0.015	0.032	0.05
Dec-01	0.013	0.027	0.04
Annual Average Jan-01 to Dec-01	**0.058**	**0.087**	**0.145**
Jan-02	0.059	0.212	0.27
Feb-02	0.061	0.047	0.11
Mar-02	0.234	0.174	0.41
Apr-02	0.066	0.087	0.15
May-02	0.073	0.127	0.20
Jun-02	Void	Void	Void
Jul-02	0.078	0.113	0.19
Aug-02	0.14	0.168	0.31
Sep-02	0.162	0.564	0.73
Oct-02	0.019	0.172	0.19
Nov-02	0.026	0.367	0.39
Dec-02	Void	Void	Void
Annual Average Jan-02 to Dec-02	**0.092**	**0.203**	**0.295**
Jan-03	Void	Void	Void
Feb-03	0.004	0.072	0.08
Mar-03	0.069	0.075	0.14
Apr-03	0.042	0.157	0.20
May-03	0.052	0.273	0.33
Jun-03	0.138	0.169	0.31
Jul-03	0.009	0.103	0.11
Aug-03	0.087	0.212	0.30
Annual Average Jan-03 to Aug-03	**0.057**	**0.152**	**0.210**

(1) Voided samples due to sampler error, excessive amounts of organic material(humus) due to mowing activities in the vicinity of the dustfall buckets, various insect parts or contaminants not consistent with the construction activities. Voided samples are not included in the annual average.

Table 9

Rostraver Airport Dust Bucket Analytical Results

AIR SAMPLING RESULTS FOR LOCATION DB-08

SEPTEMBER 2000 THROUGH AUGUST 2003

SAMPLE DATE	INSOLUBLE FRACTION (mg/cm²/mo)	SOLUBLE FRACTION (mg/cm²/mo)	TOTAL DUSTFALL (mg/cm²/mo)
Nov-00	0.036	0.106	0.14
Dec-00	0.027	0.139	0.17
Jan-01	0.018	0.065	0.08
Feb-01	0.060	0.069	0.13
Mar-01	0.040	0.143	0.18
Apr-01	0.106	0.115	0.22
May-01	0.120	0.145	0.27
Jun-01	0.051	0.128	0.18
Jul-01	0.345	0.214	0.56
Aug-01	0.031	0.094	0.13
Sep-01	0.058	0.076	0.13
Oct-01	0.100	0.221	0.32
Nov-01	0.038	0.083	0.12
Dec-01	0.015	0.050	0.07
Annual Average Jan-01 to Dec-01	**0.082**	**0.117**	**0.199**
Jan-02	0.026	0.194	0.22
Feb-02	0.099	0.062	0.16
Mar-02	0.142	0.192	0.33
Apr-02	0.063	0.091	0.15
May-02	0.018	0.095	0.11
Jun-02	Void	Void	Void
Jul-02	0.086	0.132	0.22
Aug-02	0.173	0.167	0.34
Sep-02	0.054	0.479	0.53
Oct-02	0.043	0.168	0.21
Nov-02	0.083	0.512	0.59
Dec-02	Void	Void	Void
Annual Average Jan-02 to Dec-02	**0.079**	**0.209**	**0.287**
Jan-03	Void	Void	Void
Feb-03	0.003	0.051	0.05
Mar-03	0.085	0.081	0.17
Apr-03	0.03	0.043	0.07
May-03	0.139	0.286	0.43
Jun-03	0.113	0.268	0.38
Jul-03	0.034	0.195	0.23
Aug-03	0.044	0.242	0.29
Annual Average Jan-03 to Aug-03	**0.064**	**0.167**	**0.231**

(1) Voided samples due to sampler error, excessive amounts of organic material(humus) due to mowing activities in the vicinity of the dustfall buckets, various insect parts or contaminants not consistent with the construction activities. Voided samples are not included in the annual average.

Table 10

Rostraver Airport Dust Bucket Analytical Results

AIR SAMPLING RESULTS FOR LOCATION DB-09

SEPTEMBER 2000 THROUGH AUGUST 2003

SAMPLE DATE	INSOLUBLE FRACTION ($mg/cm^2/mo$)	SOLUBLE FRACTION ($mg/cm^2/mo$)	TOTAL DUSTFALL ($mg/cm^2/mo$)
Nov-00	0.021	0.031	0.05
Dec-00	0.042	0.055	0.10
Jan-01	0.010	0.041	0.05
Feb-01	0.035	0.085	0.12
Mar-01	0.021	0.031	0.05
Apr-01	Void	Void	Void
May-01	0.115	0.157	0.27
Jun-01	0.050	0.182	0.23
Jul-01	Void	Void	Void
Aug-01	0.336	0.246	0.58
Sep-01	0.077	0.12	0.20
Oct-01	0.068	0.057	0.13
Nov-01	0.022	0.053	0.08
Dec-01	0.034	0.087	0.12
Annual Average Jan-01 to Dec-01	**0.077**	**0.106**	**0.183**
Jan-02	0.036	0.182	0.22
Feb-02	0.107	0.068	0.18
Mar-02	0.089	0.092	0.18
Apr-02	0.077	0.093	0.17
May-02	0.024	0.105	0.13
Jun-02	Void	Void	Void
Jul-02	0.201	0.162	0.36
Aug-02	0.188	0.171	0.36
Sep-02	0.108	0.276	0.38
Oct-02	0.029	0.167	0.20
Nov-02	0.025	0.311	0.34
Dec-02	Void	Void	Void
Annual Average Jan-02 to Dec-02	**0.088**	**0.163**	**0.251**
Jan-03	Void	Void	Void
Feb-03	0.018	0.098	0.12
Mar-03	0.076	0.077	0.15
Apr-03	0.064	0.098	0.16
May-03	0.018	0.221	0.24
Jun-03	0.072	0.222	0.29
Jul-03	0.018	0.182	0.20
Aug-03	0.365	0.223	0.59
Annual Average Jan-03 to Aug-03	**0.090**	**0.160**	**0.250**

(1) Voided samples due to sampler error, excessive amounts of organic material(humus) due to mowing activities in the vicinity of the dustfall buckets, various insect parts or contaminants not consistent with the construction activities. Voided samples are not included in the annual average.

Table 11

Rostraver Airport Dust Bucket Analytical Results

AIR SAMPLING RESULTS FOR LOCATION DB-10

SEPTEMBER 2000 THROUGH AUGUST 2003

SAMPLE DATE	INSOLUBLE FRACTION ($mg/cm^2/mo$)	SOLUBLE FRACTION ($mg/cm^2/mo$)	TOTAL DUSTFALL ($mg/cm^2/mo$)
Nov-00	Not installed for this sampling period		
Dec-00	Not installed for this sampling period		
Jan-01	Not installed for this sampling period		
Feb-01	Not installed for this sampling period		
Mar-01	Not installed for this sampling period		
Apr-01	Not installed for this sampling period		
May-01	Not installed for this sampling period		
Jun-01	Not installed for this sampling period		
Jul-01	Not installed for this sampling period		
Aug-01	0.538	0.289	0.83
Sep-01	0.468	0.208	0.68
Oct-01	0.416	0.227	0.64
Nov-01	0.223	0.145	0.37
Dec-01	0.234	0.169	0.40
Annual Average Jan-01 to Dec-01	**0.376**	**0.208**	**0.583**
Jan-02	0.294	0.208	0.50
Feb-02	0.326	0.128	0.45
Mar-02	0.709	0.205	0.91
Apr-02	0.524	0.231	0.75
May-02	0.075	0.248	0.32
Jun-02	Void	Void	Void
Jul-02	0.813	0.15	0.96
Aug-02	0.827	0.263	1.09
Sep-02	0.867	0.367	1.23
Oct-02	0.404	0.305	0.71
Nov-02	0.176	0.33	0.51
Dec-02	Void	Void	Void
Annual Average Jan-02 to Dec-02	**0.502**	**0.244**	**0.744**
Jan-03	Void	Void	Void
Feb-03	0.035	0.117	0.15
Mar-03	0.278	0.215	0.49
Apr-03	0.338	0.111	0.45
May-03	0.194	0.331	0.52
Jun-03	0.202	0.275	0.48
Jul-03	0.198	0.395	0.59
Aug-03	0.19	0.257	0.45
Annual Average Jan-03 to Aug-03	**0.205**	**0.243**	**0.447**

(1) Voided samples due to sampler error, excessive amounts of organic material(humus) due to mowing activities in the vicinity of the dustfall buckets, various insect parts or contaminants not consistent with the construction activities. Voided samples are not included in the annual average.

Table 12

WATER QUALITY MONITORING LOCATIONS
RUNWAY SAFETY AREA
ROSTRAVER AIRPORT

Location	Description	Tax Map I.D. No.
SP-1	Stream Sample North of Salem Church Road	N/A
SP-2	Stream Sample South of Route 136 at Trailer Park	N/A
SP-3	Stream Sample North of Bridge on Long Hollow Road	N/A
SP-4	Stream Sample South of Route 136 at Residence	N/A
SP-5	Spring Southwest of Runway End	N/A
SP-6	Pond Outfall South of SP-5	N/A
RES-1	Well for Nursery Along Route 51	56-5-74
RES-2	Well fro Residence Along Salem Church Road	56-5-107
RES-3	Well for Residence in Hollow North of Salem Church Road	56-6-214
RES-4	Spring for Residence in Hollow North of Salem Church Road	56-6-212
RES-5	Well for Residence in Hollow North of Salem Church Road	56-6-286
RES-6	Well for Residence West of Weddel Road	56-2-98
RES-7A	Cistern for Residence East of Weddel Road	56-2-92
RES-7B	Spring for Residence East of Weddel Road	56-2-92
RES-7C	Pasture Spring for Residence East of Weddel Road	56-2-92
RES-7D	Small Pond Outfall South of Route 136	56-2-92
RES-7E	Large Pond Outfall South of Route 136	56-2-92
RES-8	Spring South of Route 136	2083-E-49
Spring Drain	Drain Pipe Upslope of Toe Drain Pipe	
Toe Drain	Drain Pipe Upslope of Sedimentation Pond Inlet Channel	
Sedimentation Pond Outfall	Outflow Pipe of Sedimentation Pond	

Note:

N/A - Not Applicable

Table 13

PRIMARY AND SECONDARY DRINKING
WATER STANDARDS EXCEEDENCES

Sampling Locations	Sampling Date [1,2]				
	08/29/2000	09/12/2000	09/26/2000	10/10/2000	10/24/2000
SP-1	Fe,Al,Mn	---	Fe,Al,Mn	---	---
SP-2	---	---	Fe,Al	---	---
SP-3	---	---	Fe,Al	---	---
SP-4	---	---	---	---	---
SP-5	---	---	Fe,Al,Mn	---	---
SP-6	N.S	N.S.	Fe,Al,Mn	Mn	---
RES-1	Mn	Mn	---	Mn	Mn
RES-2	---	---	---	---	---
RES-3	---	---	---	---	---
RES-4	---	---	---	---	Al
RES-5	Voided	---	---	---	pH
RES-6	---	---	---	Fe,Mn	Fe,Mn
RES-7A	Al	Al	---	---	---
RES-7B	---	---	---	Pb	---
RES-7C	---	Fe,Mn	Fe,Al,Mn	Fe,Al,Mn	Fe,Sb,Cd,Mn,Al
RES-7D	Fe,Mn	Mn	Fe,Al,Mn	Fe	Fe,Al,Mn
RES-7E	Mn	Mn	---	---	Fe,Al,Mn,Sb
RES-8	---	Al	Fe,Al,Mn	Fe,Al,Mn	Fe,Al,Mn

Notes:

(1) Fe = Iron; Al = Aluminum; Cd = Cadmium; Pb = Lead; Sb = Antimony

(2) Not sampled due to no flow

Table 14

ANALYTICAL METHODS
WATER QUALITY PARAMETERS
SPRINGS/WELLS/TOE DRAIN
RUNWAY SAFETY AREA
ROSTRAVER AIRPORT

Parameter	Method[1]
Aluminum	3120
Antimony	3120
Arsenic	3120
Barium	3120
Boron	3120
Cadmium	3120
Chloride	4110
Chromium	3120
Conductivity	2150
Copper	3120
Iron	3120
Lead	3120
Manganese	3120
Mercury	3112
Molybdenum	3120
Nickel	3120
pH	4500H+
Selenium	3114C
Silver	3120
Sulfate	4110
Zinc	3120

Note:

[1] Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.

Table 15

ROSTRAVER AIRPORT WATER
QUALITY SAMPLING PARAMETERS
SPRINGS/WELLS/TOE DRAIN

Parameter	Monitroing Level
Aluminum	Secondary Drinking Water Standard
Antimony	Primary Drinking Water Standard
Arsenic	Action Parameter
Barium	Primary Drinking Water Standard
Boron	Monitor Only
Cadmium	Action Parameter
Chloride	Secondary Drinking Water Standard
Chromium	Action Parameter
Conductivity	Monitor Only
Copper	Primary Drinking Water Standard
Iron	Secondary Drinking Water Standard
Lead	Primary Drinking Water Standard
Manganese	Secondary Drinking Water Standard
Mercury	Action Level
Molybdenum	Monitor Only
Nickel	Monitor Only
pH	Secondary Drinking Water Standard
Selenium	PaDEP Action Parameter
Silver	Monitor Only
Sulfate	Secondary Drinking Water Standard
Zinc	Secondary Drinking Water Standard

Table 16

ANALYTICAL METHODS
WATER QUALITY PARAMETERS
SPRING DRAIN/SEDIMENTATION POND EFFLUENT
RUNWAY SAFETY AREA
ROSTRAVER AIRPORT

Parameter	EPA Method
Oil and Grease	413.1
pH	150.1
Total Suspended Solids	160.2
Aluminum	200.7
Arsenic	200.7
Boron	200.7
Iron	200.7
Mercury	245.1
Selnium	270.2
Zinc	200.7

Table 17

WATER QUALITY SAMPLING PARAMETERS
SPRING DRAIN/SEDIMENTATION POND EFFLUENT
RUNWAY SAFETY AREA
ROSTRAVER AIRPORT

Parameter	Monitoring Level
Oil and Grease	NPDES Effluent Limitation
pH	NPDES Effluent Limitation
Total Suspended Solids	NPDES Effluent Limitation
Aluminum	NPDES Effluent Limitation
Arsenic	NPDES Effluent Limitation
Boron	NPDES Effluent Limitation
Iron	NPDES Effluent Limitation
Mercury	NPDES Effluent Limitation
Selenium	NPDES Effluent Limitation
Zinc	NPDES Effluent Limitation

TABLE 18
BACKGROUND SAMPLING DATA
SAMPLING LOCATION RES-1 (MARTIN NURSERY WELL)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3] 08/29/2000	09/12/2000	09/26/2000	10/10/2000	10/24/2000
Aluminum, Total	mg/L	0.05-0.2	< 0.04	< 0.04	0.088	< 0.002	< 0.002
Antimony, Total	mg/L	0.006	< 0.08	< 0.08	< 0.006	< 0.006	< 0.006
Arsenic, Total[4]	mg/L	0.05	< 0.08	< 0.08	< 0.01	< 0.01	< 0.01
Barium, Total	mg/L	2	0.07	0.06	0.037	0.08	0.087
Boron, Total	mg/L	None	0.15	0.04	0.013	0.081	0.007
Cadmium, Total[4]	mg/L	0.005	< 0.006	< 0.006	< 0.001	< 0.001	< 0.001
Chloride	mg/L	250	156.8	116	17.7	NA	214.9
Chromium, Total[4]	mg/L	0.1	< 0.006	< 0.006	< 0.001	< 0.001	< 0.001
Copper, Total	mg/L	1.3	0.01	< 0.006	0.007	0.006	0.009
Iron, Total	mg/L	0.3	0.05	0.04	0.022	0.055	0.067
Lead, Total	mg/L	0.015	< 0.08	< 0.08	< 0.005	< 0.005	< 0.005
Manganese, Total	mg/L	0.05			< 0.0001		
Mercury, Total[4]	µg/L	2	NA	NA	0.051	0.327	0.078
Molybdenum, Total	mg/L	None	< 0.005	< 0.005	< 0.002	< 0.002	< 0.002
Nickel, Total	mg/L	None	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001
pH	s.u.	6.5-8.5	6.97	7.26	7.63	8.37	7.48
Selenium, Total[4]	mg/L	0.05	< 0.2	< 0.2	< 0.0075	< 0.0075	< 0.0075
Silver, Total	mg/L	0.1	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001
Specific Conductance	umhos/cm	None	1190	790	220	1150	1320
Sulfate	mg/L	250	88.47	75.24	28.4	NA	73.3
Zinc, Total	mg/L	5	0.03	0.04	0.092	0.056	0.077

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

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TABLE 19
BACKGROUND SAMPLING DATA
SAMPLE LOCATION RES-2 (WILSON WELL)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3]				
			08/29/2000	09/12/2000	09/26/2000	10/10/2000	10/24/2000
Aluminum, Total	mg/L	0.05-0.2	< 0.04	0.09	0.091	< 0.0001	< 0.002
Antimony, Total	mg/L	0.006	< 0.08	< 0.08	< 0.006	< 0.006	< 0.006
Arsenic, Total[4]	mg/L	0.05	< 0.08	< 0.08	< 0.01	< 0.01	< 0.01
Barium, Total	mg/L	2	0.15	0.15	0.147	0.169	0.168
Boron, Total	mg/L	None	0.09	0.08	0.045	0.069	0.067
Cadmium, Total[4]	mg/L	0.005	< 0.006	< 0.006	< 0.001	< 0.001	< 0.001
Chloride	mg/L	250	120.55	86	78.9	130.1	107.4
Chromium, Total[4]	mg/L	0.1	< 0.006	< 0.006	< 0.001	< 0.001	< 0.001
Copper, Total	mg/L	1.3	0.02	0.01	0.017	0.014	0.007
Iron, Total	mg/L	0.3	0.02	0.06	0.042	0.025	0.033
Lead, Total	mg/L	0.015	< 0.08	< 0.08	< 0.005	< 0.005	< 0.005
Manganese, Total	mg/L	0.05	0.01	0.01	< 0.0001	< 0.0001	< 0.0001
Mercury, Total[4]	µg/L	2	NA	NA	0.013	< 0.001	0.009
Molybdenum, Total	mg/L	None	0.01	< 0.005	< 0.002	< 0.002	< 0.002
Nickel, Total	mg/L	None	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001
pH	s.u.	6.5-8.5	7.49	7.38	8.07	8.06	7.56
Selenium, Total[4]	mg/L	0.05	< 0.2	< 0.2	< 0.0075	< 0.0075	< 0.0075
Silver, Total	mg/L	0.1	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001
Specific Conductance	umhos/cm	None	790	750	970	970	1010
Sulfate	mg/L	250	56.29	46.17	48.3	56.7	55.3
Zinc, Total	mg/L	5	< 0.006	0.01	0.003	< 0.001	< 0.001

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

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TABLE 20
BACKGROUND SAMPLING DATA
SAMPLING LOCATION RES-3 (GREEN WELL)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3]				
			08/29/2000	09/12/2000	09/26/2000	10/10/2000	10/24/2000
Aluminum, Total	mg/L	0.05-0.2	0.08	< 0.04	0.06	< 0.002	< 0.002
Antimony, Total	mg/L	0.006	< 0.08	< 0.08	< 0.006	< 0.006	< 0.006
Arsenic, Total[4]	mg/L	0.05	< 0.08	< 0.08	< 0.01	< 0.01	< 0.01
Barium, Total	mg/L	2	0.1	0.11	0.106	0.112	0.108
Boron, Total	mg/L	None	0.11	0.09	0.016	0.019	0.012
Cadmium, Total[4]	mg/L	0.005	< 0.006	< 0.006	< 0.001	< 0.001	< 0.001
Chloride	mg/L	250	4.29	4.35	14.15	5.8	4.65
Chromium, Total[4]	mg/L	0.1	< 0.006	< 0.006	< 0.001	< 0.001	< 0.001
Copper, Total	mg/L	1.3	0.03	0.02	0.127	0.02	0.015
Iron, Total	mg/L	0.3	0.15	0.02	0.015	0.016	0.019
Lead, Total	mg/L	0.015	< 0.08	< 0.08	< 0.005	< 0.005	< 0.005
Manganese, Total	mg/L	0.05	0.01	< 0.006	< 0.0001	< 0.0001	< 0.0001
Mercury, Total[4]	µg/L	2	NA	NA	0.022	0.029	0.015
Molybdenum, Total	mg/L	None	< 0.005	< 0.005	< 0.002	< 0.002	< 0.002
Nickel, Total	mg/L	None	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001
pH	s.u.	6.5-8.5	7.84	7.06	8.11	7.99	7.85
Selenium, Total[4]	mg/L	0.05	< 0.2	< 0.2	< 0.0075	< 0.0075	< 0.0075
Silver, Total	mg/L	0.1	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001
Specific Conductance	umhos/cm	None	640	540	600	690	650
Sulfate	mg/L	250	86.63	83.75	86.05	87.3	91.1
Zinc, Total	mg/L	5	< 0.006	0.01	0.017	< 0.001	< 0.001

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

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TABLE 21
BACKGROUND SAMPLING DATA
SAMPLING LOCATION RES-4 (BARELLA SPRING)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3] 08/29/2000	09/12/2000	09/26/2000	10/10/2000	10/24/2000
Aluminum, Total	mg/L	0.05-0.2	0.05	0.05	0.023	0.011	
Antimony, Total	mg/L	0.006	< 0.08	< 0.08	< 0.006	< 0.006	< 0.006
Arsenic, Total[4]	mg/L	0.05	< 0.08	< 0.08	< 0.01	< 0.01	< 0.01
Barium, Total	mg/L	2	0.13	0.13	0.146	0.134	0.121
Boron, Total	mg/L	None	0.12	< 0.008	0.01	0.016	0.012
Cadmium, Total[4]	mg/L	0.005	< 0.006	< 0.006	< 0.001	< 0.001	< 0.001
Chloride	mg/L	250	2.08	3.2	3.9	2.3	1.5
Chromium, Total[4]	mg/L	0.1	< 0.006	< 0.006	< 0.001	< 0.001	< 0.001
Copper, Total	mg/L	1.3	0.57	0.03	0.091	0.004	< 0.001
Iron, Total	mg/L	0.3	0.04	0.07	0.042	0.095	0.21
Lead, Total	mg/L	0.015	< 0.08	< 0.08	0.014	0.000014	< 0.005
Manganese, Total	mg/L	0.05	0.01	< 0.006	< 0.0001	< 0.0001	< 0.0001
Mercury, Total[4]	µg/L	2	NA	NA	0.013	< 0.001	0.017
Molybdenum, Total	mg/L	None	< 0.005	< 0.005	< 0.002	< 0.002	< 0.002
Nickel, Total	mg/L	None	< 10	< 10	< 1	< 1	< 1
pH	s.u.	6.5-8.5	7.43	7.42	8.22	8.31	7.57
Selenium, Total[4]	mg/L	0.05	< 0.2	< 0.2	< 0.0075	< 0.0075	< 0.0075
Silver, Total	mg/L	0.1	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001
Specific Conductance	umhos/cm	None	570	540	610	500	520
Sulfate	mg/L	250	37.71	38.18	39.5	35.9	27.85
Zinc, Total	mg/L	5	0.41	0.09	0.073	0.032	0.004

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

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TABLE 22
BACKGROUND SAMPLING DATA
SAMPLING LOCATION RES-5 (BARELLA, Jr. WELL)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3]				
			09/12/2000	09/26/2000	10/10/2000	10/24/2000	11/03/2000
Aluminum, Total	mg/L	0.05-0.2	< 0.04	< 0.002	< 0.002	< 0.002	< 0.002
Antimony, Total	mg/L	0.006	< 0.08	< 0.006	< 0.006	< 0.006	< 0.006
Arsenic, Total[4]	mg/L	0.05	< 0.08	< 0.01	< 0.01	< 0.01	< 0.01
Barium, Total	mg/L	2	0.1	0.098	0.102	0.1	0.098
Boron, Total	mg/L	None	0.04	0.044	0.046	0.039	0.04
Cadmium, Total[4]	mg/L	0.005	< 0.006	< 0.001	< 0.001	< 0.001	< 0.001
Chloride	mg/L	250	43.4	45.2	44.4	44.45	43.8
Chromium, Total[4]	mg/L	0.1	< 0.006	< 0.001	< 0.001	< 0.001	< 0.001
Copper, Total	mg/L	1.3	< 0.006	< 0.001	< 0.001	< 0.001	< 0.001
Iron, Total	mg/L	0.3	0.04	0.077	0.077	0.14	0.029
Lead, Total	mg/L	0.015	< 0.08	< 0.005	< 0.005	< 0.005	< 0.005
Manganese, Total	mg/L	0.05	0.02	< 0.0001	0.023	0.002	0.001
Mercury, Total[4]	µg/L	2	NA	0.004	0.063	0.027	< 0.001
Molybdenum, Total	mg/L	None	< 0.005	< 0.002	< 0.002	< 0.002	< 0.002
Nickel, Total	mg/L	None	< 0.01	< 0.001	0.002	< 0.001	< 0.001
pH	s.u.	6.5-8.5	7.53	7.98	8.03	7.7	8.5
Selenium, Total[4]	mg/L	0.05	< 0.2	< 0.0075	< 0.0075	< 0.0075	< 0.0075
Silver, Total	mg/L	0.1	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001
Specific Conductance	umhos/cm	None	590	810	640	740	1192
Sulfate	mg/L	250	63.33	46.7	70.3	63.6	63.5
Zinc, Total	mg/L	5	0.02	< 0.001	< 0.001	< 0.001	< 0.001

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

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ORION Power Midwest
ROSTRAVER AIRPORT

TABLE 23
BACKGROUND SAMPLING DATA
SAMPLING LOCATION RES-6 (FISHER WELL)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3] 09/05/2000	09/12/2000	09/26/2000	10/10/2000	10/24/2000
Aluminum, Total	mg/L	0.05-0.2	0.072	< 0.04	0.039	< 0.002	0.028
Antimony, Total	mg/L	0.006	< 0.006	< 0.08	< 0.006	< 0.006	< 0.006
Arsenic, Total[4]	mg/L	0.05	< 0.01	< 0.08	< 0.01	< 0.01	< 0.01
Barium, Total	mg/L	2	0.068	0.06	0.06	0.076	0.089
Boron, Total	mg/L	None	0.058	0.05	0.071	0.083	0.112
Cadmium, Total[4]	mg/L	0.005	< 0.001	< 0.006	< 0.001	< 0.001	< 0.001
Chloride	mg/L	250	NA	77.1	85	84.8	72.7
Chromium, Total[4]	mg/L	0.1	< 0.001	< 0.006	0.0011	0.022	0.011
Copper, Total	mg/L	1.3	0.013	0.01	0.018	0.016	0.054
Iron, Total	mg/L	0.3	0.031	0.04	0.161		
Lead, Total	mg/L	0.015	< 0.005	< 0.08	< 0.005	< 0.005	< 0.005
Manganese, Total	mg/L	0.05	0.004	0.01	0.008		
Mercury, Total[4]	µg/L	2	0.028	NA	0.049	0.034	0.033
Molybdenum, Total	mg/L	None	< 0.002	< 0.005	< 0.002	< 0.002	< 0.002
Nickel, Total	mg/L	None	< 0.001	< 0.01	< 0.001	0.04	0.012
pH	s.u.	6.5-8.5	8.5	8.18	8.28	8.32	7.96
Selenium, Total[4]	mg/L	0.05	< 0.02	< 0.2	< 0.0075	< 0.0075	< 0.0075
Silver, Total	mg/L	0.1	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001
Specific Conductance	umhos/cm	None	680	570	780	660	720
Sulfate	mg/L	250	NA	75.84	74.05	90.2	97.1
Zinc, Total	mg/L	5	< 0.001	0.01	0.003	0.006	0.01

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

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TABLE 24
BACKGROUND SAMPLING DATA
SAMPLING LOCATION RES-7A (MELILLI CISTERN)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3]				
			08/29/2000	09/12/2000	09/26/2000	10/10/2000	10/24/2000
Aluminum, Total	mg/L	0.05-0.2			0.084	0.148	0.114
Antimony, Total	mg/L	0.006	< 0.08	< 0.08	< 0.006	< 0.006	< 0.006
Arsenic, Total[4]	mg/L	0.05	< 0.08	< 0.08	< 0.01	< 0.01	< 0.01
Barium, Total	mg/L	2	< 0.006	< 0.006	0.002	0.004	0.005
Boron, Total	mg/L	None	0.1	0.05	< 0.001	< 0.01	0.012
Cadmium, Total[4]	mg/L	0.005	< 0.006	< 0.006	< 0.001	< 0.001	< 0.001
Chloride	mg/L	250	0.57	2.22	1.66	0.89	2.4
Chromium, Total[4]	mg/L	0.1	0.01	< 0.006	< 0.001	< 0.001	< 0.001
Copper, Total	mg/L	1.3	< 0.006	0.01	0.004	0.004	0.004
Iron, Total	mg/L	0.3	< 0.02	0.04	0.038	0.099	0.038
Lead, Total	mg/L	0.015	< 0.08	< 0.08	< 0.005	< 0.005	< 0.005
Manganese, Total	mg/L	0.05	0.01	< 0.006	< 0.0001	0.005	0.005
Mercury, Total[4]	µg/L	2	NA	NA	0.048	0.259	0.022
Molybdenum, Total	mg/L	None	< 0.005	< 0.005	< 0.002	< 0.002	< 0.002
Nickel, Total	mg/L	None	< 0.01	< 0.01	< 0.001	0.002	< 0.001
pH	s.u.	6.5-8.5	7.67	8.1	7.54	7.9	7.9
Selenium, Total[4]	mg/L	0.05	< 0.2	< 0.2	< 0.0075	< 0.0075	< 0.0075
Silver, Total	mg/L	0.1	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001
Specific Conductance	umhos/cm	None	60	75	60	80	110
Sulfate	mg/L	250	6.54	7.04	2.1	5.4	4.9
Zinc, Total	mg/L	5	0.02	0.03	< 0.001	0.006	0.007

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

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TABLE 25
BACKGROUND SAMPLING DATA
SAMPLING LOCATION RES-7B (MELILLI SPRING HOUSE)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3]				
			08/29/2000	09/12/2000	09/26/2000	10/10/2000	10/24/2000
Aluminum, Total	mg/L	0.05-0.2	< 0.04	< 0.04	0.056	< 0.002	0.033
Antimony, Total	mg/L	0.006	< 0.08	< 0.08	< 0.006	< 0.006	< 0.006
Arsenic, Total[4]	mg/L	0.05	< 0.08	< 0.08	< 0.01	< 0.01	< 0.01
Barium, Total	mg/L	2	0.08	0.08	0.088	0.094	0.089
Boron, Total	mg/L	None	0.08	0.02	0.051	0.04	0.028
Cadmium, Total[4]	mg/L	0.005	< 0.006	< 0.006	< 0.001	< 0.001	< 0.001
Chloride	mg/L	250	29.7	36.9	4.4	56.7	33.8
Chromium, Total[4]	mg/L	0.1	< 0.006	< 0.006	< 0.001	< 0.001	< 0.001
Copper, Total	mg/L	1.3	< 0.006	< 0.006	< 0.001	< 0.001	0.002
Iron, Total	mg/L	0.3	< 0.02	0.02	0.007	0.029	0.04
Lead, Total	mg/L	0.015	< 0.08	< 0.08	< 0.005		< 0.005
Manganese, Total	mg/L	0.05	< 0.006	< 0.006	< 0.0001	< 0.0001	< 0.0001
Mercury, Total[4]	µg/L	2	NA	NA	< 0.002	< 0.001	0.026
Molybdenum, Total	mg/L	None	< 0.005	< 0.005	< 0.002	< 0.002	< 0.002
Nickel, Total	mg/L	None	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001
pH	s.u.	6.5-8.5	7.45	7.44	7.9	8.02	8.25
Selenium, Total[4]	mg/L	0.05	< 0.2	< 0.2	< 0.0075	< 0.0075	< 0.0075
Silver, Total	mg/L	0.1	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001
Specific Conductance	umhos/cm	None	530	580	620	510	560
Sulfate	mg/L	250	52.57	51.91	86	50.9	48.8
Zinc, Total	mg/L	5	0.01	0.01	< 0.001	< 0.001	< 0.001

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

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TABLE 26
BACKGROUND SAMPLING DATA
SAMPLING LOCATION RES-7C (MELILLI FIELD SPRING)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3] 08/29/2000	09/12/2000	09/26/2000	10/10/2000	10/24/2000
Aluminum, Total	mg/L	0.05-0.2	< 0.04	0.13			
Antimony, Total	mg/L	0.006	< 0.08	< 0.08	< 0.006	< 0.006	
Arsenic, Total[4]	mg/L	0.05	< 0.08	< 0.08	< 0.01	< 0.01	< 0.01
Barium, Total	mg/L	2	0.08	0.14	0.146	0.188	0.75
Boron, Total	mg/L	None	0.09	0.02	0.035	0.04	0.416
Cadmium, Total[4]	mg/L	0.005	< 0.006	< 0.006	0.001	< 0.001	
Chloride	mg/L	250	20.8	23.3	23.2	23.3	23.05
Chromium, Total[4]	mg/L	0.1	< 0.006	< 0.006	0.004	0.01	0.025
Copper, Total	mg/L	1.3	< 0.006	< 0.006	< 0.001	0.003	0.048
Iron, Total	mg/L	0.3	0.03				
Lead, Total	mg/L	0.015	< 0.08	< 0.08	< 0.005	< 0.005	0.007
Manganese, Total	mg/L	0.05	0.03				
Mercury, Total[4]	µg/L	2	NA	NA	0.016	0.064	0.046
Molybdenum, Total	mg/L	None	< 0.005	< 0.005	< 0.002	< 0.002	< 0.002
Nickel, Total	mg/L	None	< 0.01	0.01	0.015	0.032	0.187
pH	s.u.	6.5-8.5	7.63	7.41	7.88	7.96	7.32
Selenium, Total[4]	mg/L	0.05	< 0.2	< 0.2	< 0.0075	< 0.0075	< 0.0075
Silver, Total	mg/L	0.1	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001
Specific Conductance	umhos/cm	None	430	410	520	340	440
Sulfate	mg/L	250	56.17	64.34	55.75	64.4	60.8
Zinc, Total	mg/L	5	0.02	0.02	0.01	0.016	0.124

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

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TABLE 27
BACKGROUND SAMPLING DATA
SAMPLING LOCATION RES-7D (MELILLI UPPER POND)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3] 08/29/2000	09/12/2000	09/26/2000	10/10/2000	10/24/2000
Aluminum, Total	mg/L	0.05-0.2	0.17	0.18		0.198	
Antimony, Total	mg/L	0.006	< 0.08	< 0.08	< 0.006	< 0.006	< 0.006
Arsenic, Total[4]	mg/L	0.05	< 0.08	< 0.08	< 0.01	< 0.01	< 0.01
Barium, Total	mg/L	2	0.09	0.09	0.088	0.082	0.077
Boron, Total	mg/L	None	0.09	0.02	0.038	0.042	0.036
Cadmium, Total[4]	mg/L	0.005	< 0.006	< 0.006	< 0.001	< 0.001	< 0.001
Chloride	mg/L	250	34.9	37.7	42.8	42.2	45.8
Chromium, Total[4]	mg/L	0.1	< 0.006	< 0.006	< 0.001	< 0.001	< 0.001
Copper, Total	mg/L	1.3	< 0.006	< 0.006	< 0.001	< 0.001	0.002
Iron, Total	mg/L	0.3		0.28			
Lead, Total	mg/L	0.015	< 0.08	< 0.08	< 0.005	< 0.005	< 0.005
Manganese, Total	mg/L	0.05				0.045	
Mercury, Total[4]	µg/L	2	NA	NA	0.085	< 0.001	0.02
Molybdenum, Total	mg/L	None	< 0.005	< 0.005	< 0.002	< 0.002	< 0.002
Nickel, Total	mg/L	None	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001
pH	s.u.	6.5-8.5	7.85	8.07	7.64	8.28	8.29
Selenium, Total[4]	mg/L	0.05	< 0.2	< 0.2	< 0.0075	< 0.0075	< 0.0075
Silver, Total	mg/L	0.1	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001
Specific Conductance	umhos/cm	None	510	470	540	490	500
Sulfate	mg/L	250	46.55	44.64	41.1	44	38.9
Zinc, Total	mg/L	5	< 0.006	0.01	0.006	< 0.001	0.001

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

TABLE 28
BACKGROUND SAMPLING DATA
SAMPLING LOCATION RES-7E (MELILLI LOWER POND)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3]				
			08/29/2000	09/12/2000	09/26/2000	10/10/2000	10/24/2000
Aluminum, Total	mg/L	0.05-0.2	0.05	< 0.04	0.095	0.047	
Antimony, Total	mg/L	0.006	< 0.08	< 0.08	< 0.006	< 0.006	
Arsenic, Total[4]	mg/L	0.05	< 0.08	< 0.08	< 0.01	< 0.01	< 0.01
Barium, Total	mg/L	2	0.11	0.08	0.053	0.052	0.062
Boron, Total	mg/L	None	0.09	0.01	0.033	0.035	0.031
Cadmium, Total[4]	mg/L	0.005	< 0.006	< 0.006	< 0.001	< 0.001	< 0.001
Chloride	mg/L	250	31.1	28.9	17.9	29.5	20.9
Chromium, Total[4]	mg/L	0.1	< 0.006	< 0.006	< 0.001	< 0.001	< 0.001
Copper, Total	mg/L	1.3	< 0.006	< 0.006	< 0.001	< 0.001	0.014
Iron, Total	mg/L	0.3	0.27	0.17	0.021	0.155	
Lead, Total	mg/L	0.015	< 0.08	< 0.08	< 0.005	< 0.005	< 0.005
Manganese, Total	mg/L	0.05			< 0.0001	0.036	
Mercury, Total[4]	µg/L	2	NA	NA	< 0.002	< 0.001	0.005
Molybdenum, Total	mg/L	None	< 0.005	< 0.005	< 0.002	< 0.002	< 0.002
Nickel, Total	mg/L	None	< 0.01	< 0.01	< 0.001	< 0.001	0.003
pH	s.u.	6.5-8.5	8.01	8.32	8.3	8.2	8.26
Selenium, Total[4]	mg/L	0.05	< 0.2	< 0.2	< 0.0075	< 0.0075	< 0.0075
Silver, Total	mg/L	0.1	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001
Specific Conductance	umhos/cm	None	450	370	410	290	350
Sulfate	mg/L	250	30.79	29.27	26.3	29.55	29.8
Zinc, Total	mg/L	5	0.01	0.02	< 0.001	< 0.001	0.001

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

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TABLE 29
BACKGROUND SAMPLING DATA
SAMPLING LOCATION RES-8 (GABAUER SPRING)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3] 08/29/2000	09/12/2000	09/26/2000	10/10/2000	10/24/2000
Aluminum, Total	mg/L	0.05-0.2	0.15				
Antimony, Total	mg/L	0.006	< 0.08	< 0.08	< 0.006	< 0.006	< 0.006
Arsenic, Total[4]	mg/L	0.05	< 0.08	< 0.08	< 0.01	< 0.01	< 0.01
Barium, Total	mg/L	2	0.1	0.09	0.12	0.101	0.109
Boron, Total	mg/L	None	0.08	0.01	0.055	0.051	0.045
Cadmium, Total[4]	mg/L	0.005	< 0.006	< 0.006	0.001	< 0.001	< 0.001
Chloride	mg/L	250	3.18	3.73	5.9	NA	3.4
Chromium, Total[4]	mg/L	0.1	< 0.006	< 0.006	0.002	< 0.001	0.001
Copper, Total	mg/L	1.3	< 0.006	0.01	< 0.001	< 0.001	< 0.001
Iron, Total	mg/L	0.3	0.14	0.17			
Lead, Total	mg/L	0.015	< 0.08	< 0.08	0.000006	< 0.005	< 0.005
Manganese, Total	mg/L	0.05	0.02	0.02			
Mercury, Total[4]	µg/L	2	NA	NA	0.0072	< 0.001	0.005
Molybdenum, Total	mg/L	None	< 0.005	< 0.005	< 0.002	< 0.002	< 0.002
Nickel, Total	mg/L	None	< 0.01	< 0.01	0.003	< 0.001	0.003
pH	s.u.	6.5-8.5	8.24	8.25	7.33	8.31	8.33
Selenium, Total[4]	mg/L	0.05	< 0.2	< 0.2	< 0.0075	< 0.0075	< 0.0075
Silver, Total	mg/L	0.1	< 0.01	< 0.01	< 0.001	< 0.001	< 0.001
Specific Conductance	umhos/cm	None	420	380	410	380	440
Sulfate	mg/L	250	60.73	62.04	63.5	NA	65.6
Zinc, Total	mg/L	5	0.01	0.01	0.037	0.005	0.011

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

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TABLE 30
CONSTRUCTION SAMPLING DATA
SAMPLING LOCATION RES-1 (MARTIN NURSERY WELL)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3]												
			01/23/2001	04/27/2001	07/27/2001	11/01/2001	2/6/2002	5/1/2002	8/25/2002	12/18/2002	03/07/2003	06/17/2003	10/06/2003	12/10/2003	03/29/2004
Aluminum, Total	mg/L	0.05-0.2	0.05	0.0123	0.0412	0.0371		0.034	<0.0025	<0.003	< 0.003	0.0206	< 0.1	0.133	<0.1
Antimony, Total	mg/L	0.006	< 0.006	< 0.006	< 0.006	< 0.006	<0.006	<0.006	<0.006	<0.006	< 0.006	< 0.006	< 0.005	<0.006	<0.005
Arsenic, Total[4]	mg/L	0.05	< 0.01	< 0.0075	< 0.0075	< 0.0075	<0.0075	<0.007	<0.0075	<0.0075	<0.008	0.0067	< 0.005	<0.0075	<0.005
Barium, Total	mg/L	2	0.06	0.0659	0.0645	0.0346	0.0688	0.0673	0.0706	0.0677	0.0562	0.0619	0.12	0.0672	0.07
Boron, Total	mg/L	None	0.031	0.0307	0.0613	0.0191	0.0265	0.0512	0.0306	<0.008	0.0632	0.0941	0.16	0.0549	0.08
Cadmium, Total[4]	mg/L	0.005	< 0.001	0.0007	0.0007	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	< 0.001	< 0.001	< 0.001	0.00062	<0.001
Chloride	mg/L	250	6.6	92.7	107	18.1	116	217	245			228		236	
Chromium, Total[4]	mg/L	0.1	< 0.001	0.0043	0.0038	0.0015	0.0279	<0.001	0.0041	<0.001	< 0.001	0.0065	< 0.01	0.0041	<0.01
Copper, Total	mg/L	1.3	0.013	0.0093	0.0043	0.0046	0.0252	0.0122	0.0154	0.0139	0.0342	0.006	<0.005	0.0181	0.005
Iron, Total	mg/L	0.3	0.102	0.0215	0.0561	0.029		0.0427	0.0248	0.0306	0.0339	0.0751	0.16	0.0477	0.16
Lead, Total	mg/L	0.015	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	0.0072	<0.005	<0.005	< 0.005	< 0.005	0.007	<0.005	0.012
Manganese, Total	mg/L	0.05				0.0019			0.0111						
Mercury, Total[4]	µg/L	2	0.028	0.023	0.0021	0.0152	0.0074	<0.001	<0.0005	<0.001	0.0114	0.0011	<0.2	<0.0005	<0.2
Molybdenum, Total	mg/L	None	< 0.002	0.0048	0.0025	NA	<0.002	0.0045	<0.0025	0.0056	0.0109	0.0035	< 0.1	<0.0025	<0.1
Nickel, Total	mg/L	None	0.005	0.0013	0.0021	0.0013	0.0274	0.0025	<0.002	0.0021	< 0.0015	0.0028	< 0.01	0.0034	<0.01
pH	s.u.	6.5-8.5	7.31	6.06	6.97	7.57	8.27	6.85	6.95	7.84	7.27	7.63	6.8	7.75	6.5
Selenium, Total[4]	mg/L	0.05	< 0.0075	< 0.007	< 0.0075	< 0.007	<0.0075	0.0128	0.0161	<0.0075	0.03	< 0.007	< 0.005	0.0085	<0.005
Silver, Total	mg/L	0.1	< 0.001	< 0.001	< 0.001	< 0.001	<0.0015	<0.0015	<0.0015	<0.001	< 0.001	< 0.001	< 0.01	<0.001	<0.01
Specific Conductance	umhos/cm	None	1280	1672	2.05	182.2	1790	1290	1460	1410	555	472	1410	939	1700
Sulfate	mg/L	250	90.9	76.5	103	27.8	97.2	98	128	130	100	92.8	94	101	117
Zinc, Total	mg/L	5	0.167	0.0482	0.0744	0.083	0.0792	0.0388	0.0232	0.0273	0.0613	0.0204	0.02	0.0217	0.017

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

TABLE 31
CONSTRUCTION SAMPLING DATA
SAMPLE LOCATION RES-2 (WILSON WELL)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3]												
			01/23/2001	04/27/2001	07/27/2001	11/01/2001	02/06/2002	05/01/2002	08/25/2002	12/19/2002	03/07/2003	06/17/2003	10/08/2003	12/10/2003	03/29/2004
Aluminum, Total	mg/L	0.05-0.2	0.027	0.0312	0.0218	0.023	<0.0025	0.0248	<0.0025	<0.003	0.014	0.0355	< 0.1	0.0855	<0.1
Antimony, Total	mg/L	0.006	< 0.006	< 0.006	< 0.006	< 0.006	<0.006	<0.006	<0.006	<0.006	< 0.006	< 0.006	< 0.005	<0.006	<0.005
Arsenic, Total[4]	mg/L	0.05	< 0.010	< 0.0075	< 0.0075	< 0.008	<0.0075	<0.007	<0.0075	<0.0075	< 0.008	0.0076	< 0.005	<0.0075	<0.005
Barium, Total	mg/L	2	0.150	0.133	0.188	0.164	0.152	0.138	0.156	0.201	0.125	0.152	0.17	0.155	0.14
Boron, Total	mg/L	None	0.038	0.014	0.0456	0.042	0.0283	0.0293	0.0104	<0.006	0.0484	0.0516	0.06	0.0634	0.07
Cadmium, Total[4]	mg/L	0.005	< 0.001	0.0007	0.0006	< 0.001	0.00128	<0.0005	<0.0005	<0.0005	<0.001	< 0.001	< 0.001	<0.0005	<0.001
Chloride	mg/L	250	139.5	112	78	96.6	118	124	94.9	119	115	83.6	118	103	128
Chromium, Total[4]	mg/L	0.1	< 0.001	0.0048	0.0027	0.003	<0.001	<0.001	0.0035	<0.001	< 0.001	0.0053	< 0.01	0.0023	<0.01
Copper, Total	mg/L	1.3	< 0.001	0.0141	0.0074	0.023	0.0178	0.024	0.0168	0.0174	0.0141	0.0159	0.009	0.0871	0.037
Iron, Total	mg/L	0.3	0.04	0.0917	0.0313	0.011	0.0274	0.0314	0.0149	0.0172	0.0341	0.0628	0.05	0.0334	0.07
Lead, Total	mg/L	0.015	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	< .005	< 0.005	0.006	<0.005	<0.001
Manganese, Total	mg/L	0.05	< 0.000	0.0112	0.0236	0.001	0.0051	0.0091	0.0018	0.002	0.0063	0.0123	<0.01	0.00436	<0.01
Mercury, Total[4]	µg/L	2	0.018	< 0.001	0.0067	0.009	<0.001	<0.001	<0.0005	<0.001	0.0018	0.0005	<0.2	<0.0005	<0.2
Molybdenum, Total	mg/L	None	< 0.002	0.0055	0.0021	NA	<0.002	0.0026	<0.0025	0.0033	0.0052	0.003	< 0.1	<0.0025	<0.1
Nickel, Total	mg/L	None	< 0.001	< 0.001	< 0.001	< 0.001	<0.0015	<0.0015	<0.002	<0.0015	< 0.0015	0.0018	< 0.01	0.0025	<0.01
pH	s.u.	6.5-8.5	7.19	6.13	7.7	7.27	7.85	7.43	7.6	7.6	7.67	7.34	7.4	7.58	7.3
Selenium, Total[4]	mg/L	0.05	< 0.008	0.0072	< 0.0075	< 0.007	<0.0075	0.0114	0.0086	<0.0075	0.0152	< 0.007	< 0.005	<0.007	<0.005
Silver, Total	mg/L	0.1	< 0.001	< 0.001	< 0.001	< 0.001	<0.0015	<0.0015	<0.0015	<0.001	< 0.001	< 0.001	< 0.01	<0.001	<0.01
Specific Conductance	umhos/cm	None	110	1584	1360	884	1750	940	922	932	322	289	929	939	967
Sulfate	mg/L	250	50.5	57.8	37	47.6	58	55	39.7	54.5	45.5	35.9	60	42.7	57
Zinc, Total	mg/L	5	< 0.001	0.0075	0.0333	0.017	0.0114	0.015	0.0074	0.0096	0.0166	0.0173	0.009	0.0277	0.024

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

TABLE 32
CONSTRUCTION SAMPLING DATA
SAMPLING LOCATION RES-3 (GREEN WELL)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3]												
			01/23/2001	04/27/2001	07/27/2001	11/01/2001	02/06/2002	05/01/2002	08/25/2002	12/19/2002	03/07/2003	06/17/2003	10/08/2003	12/10/2003	03/29/2004
Aluminum, Total	mg/L	0.05-0.2	0.037	0.0151	0.0275	0.0212	0.01	0.02	<0.0025	<0.003	0.0865	0.0548	<0.1	0.0574	<0.1
Antimony, Total	mg/L	0.006	< 0.006	< 0.006	< 0.006	< 0.006	<0.006	<0.006	<0.006	<0.006	< 0.006	< 0.006	<0.005	<0.006	<0.005
Arsenic, Total[4]	mg/L	0.05	< 0.01	< 0.0075	< 0.0075	< 0.0075	<0.0075	<0.007	<0.0075	<0.0075	< 0.008	< 0.007	<0.005	<0.0075	<0.005
Barium, Total	mg/L	2	0.111	0.115	0.108	0.1	0.111	0.113	0.0987	0.14	0.0987	0.117	0.08	0.12	0.12
Boron, Total	mg/L	None	0.014	< 0.012	0.0213	0.0155	0.0065	0.0148	<0.01	<0.008	0.031	0.0291	0.1	0.0398	0.07
Cadmium, Total[4]	mg/L	0.005	< 0.001	0.0006	0.0006	< 0.0005	<0.0005	<0.0005	<0.0005	<0.0005	< 0.001	< 0.001	<0.001	<0.0005	<0.001
Chloride	mg/L	250	4.4	4.09	5.43	20.7	5.37	5.9	5.9	8.2	5.4	6.1	5.87	8	5.6
Chromium, Total[4]	mg/L	0.1	< 0.001	0.0028	0.0018	0.0019	<0.001	<0.001	0.002	<0.001	< 0.001	0.0034	<0.01	0.0028	<0.01
Copper, Total	mg/L	1.3	0.102	0.0146	0.0212	0.0303	0.135	0.023	0.0279	0.0536	0.28	0.197	0.084	0.161	0.15
Iron, Total	mg/L	0.3	0.014	0.0039	0.0447	0.0273	0.0181	0.006	0.0062	0.0113	0.0118	0.023	0.02	<0.001	<0.01
Lead, Total	mg/L	0.015	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	< 0.005	< 0.005	0.001	<0.005	<0.001
Manganese, Total	mg/L	0.05	< 0.0001	< 0.001	0.0009	0.0006	0.0017	<0.0005	<0.0005	<0.0005	0.00064	< 0.00075	<0.01	0.00061	<0.01
Mercury, Total[4]	µg/L	2	0.019	0.0014	0.0019	0.0019	<0.001	<0.001	<0.0005	<0.001	< 0.001	0.0007	<0.2	<0.0005	<0.2
Molybdenum, Total	mg/L	None	< 0.002	0.0055	< 0.001	NA	<0.002	0.0031	<0.0025	0.0033	0.0056	0.0025	<0.1	<0.0025	<0.1
Nickel, Total	mg/L	None	< 0.0072	< 0.001	0.0011	< 0.001	<0.0015	<0.0015	<0.002	<0.0015	< 0.0015	0.0021	<0.01	0.0021	<0.01
pH	s.u.	6.5-8.5	7.6	6.4	7.73	7.29	7.92	7.44	7.72	7.79	7.34	7.66	7.5	7.65	7.3
Selenium, Total[4]	mg/L	0.05	< 0.0075	0.01	< 0.0075	< 0.007	<0.0075	0.019	0.0122	<0.0075	0.0166	0.0086	<0.005	0.0086	<0.005
Silver, Total	mg/L	0.1	< 0.001	< 0.001	< 0.001	< 0.001	<0.0015	<0.0015	<0.0015	<0.001	< 0.001	< 0.001	<0.01	<0.001	<0.01
Specific Conductance	umhos/cm	None	760	1040	1049	605	867	630	621	580	203	212	576	653	628
Sulfate	mg/L	250	83.5	77.8	95.1	68.4	73.1	85	73.2	73.2	81.1	79.3	84	101	78
Zinc, Total	mg/L	5	< 0.001	0.0066	0.0248	0.0054	0.0107	0.007	0.0067	0.0031	0.0123	0.0129	0.006	0.0072	<0.005

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

TABLE 33
CONSTRUCTION SAMPLING DATA
SAMPLING LOCATION RES-4 (BARELLA SPRING)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3]												
			01/23/2001	04/27/2001	07/27/2001	11/01/2001	02/06/2002	05/01/2002	08/25/2002	12/18/2002	03/07/2003	06/17/2003	10/08/2003	12/10/2003	03/29/2004
Aluminum, Total	mg/L	0.05-0.2	0.061	0.0161	0.0411	0.0649	<0.0025	0.09	<0.0025	<0.003	0.0263	0.0315	< 0.1	0.0526	<0.1
Antimony, Total	mg/L	0.006	< 0.006	< 0.006	< 0.006	< 0.006	<0.006	<0.006	<0.006	<0.006	< 0.006	< 0.006	< 0.005	<0.006	<0.005
Arsenic, Total[4]	mg/L	0.05	< 0.01	< 0.0075	< 0.0075	< 0.0075	<0.0075	<0.007	<0.0075	<0.0075	< 0.008	<0.007	< 0.005	<0.0075	<0.005
Barium, Total	mg/L	2	0.11	0.125	0.138	0.131	0.0938	0.107	0.142	0.123	0.0974	0.133	0.16	0.126	0.14
Boron, Total	mg/L	None	< 0.01	< 0.012	0.0131	0.0145	0.0048	0.0119	<0.01	<0.008	0.0224	0.0196	0.08	0.0225	0.04
Cadmium, Total[4]	mg/L	0.005	< 0.001	0.0006	0.0007	< 0.0005	<0.0005	<0.0005	<0.0005	<0.0005	< 0.001	< 0.001	< 0.001	<0.0005	<0.001
Chloride	mg/L	250	2.6	2.26	6.61	6.3	1.91	0.46	3.5	1.9	2.2	43.5	2.02	6.2	3
Chromium, Total[4]	mg/L	0.1	< 0.001	0.0034	0.0032	0.0031	<0.001	<0.001	0.0031	<0.001	< 0.001	0.0043	< 0.01	0.002	<0.01
Copper, Total	mg/L	1.3	< 0.001	0.0277	0.0025	0.0149	0.0017	0.0037	0.0029	<0.001	0.0021	0.0037	< 0.005	0.0051	0.006
Iron, Total	mg/L	0.3	0.035	0.0149	0.0519	0.0333	0.0441	0.0575	0.0181	0.0283	0.0303	0.0206	0.05	0.0074	0.02
Lead, Total	mg/L	0.015	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	< 0.005	< 0.005	0.006	<0.005	0.002
Manganese, Total	mg/L	0.05	< 0.0001	< 0.001	0.0011	0.0015	0.0019	0.0029	0.00059	0.0021	0.0014	0.0011	< 0.01	0.0012	<0.01
Mercury, Total[4]	µg/L	2	0.004	0.0141	0.0116	0.0058	<0.001	<0.001	<0.0005	<0.001	< 0.001	< 0.0004	<0.2	<0.0005	<0.2
Molybdenum, Total	mg/L	None	< 0.002	0.0044	0.0013	NA	<0.002	0.0025	<0.0025	<0.002	0.0038	0.0023	< 0.1	<0.0025	<0.1
Nickel, Total	mg/L	None	< 0.001	< 0.001	< 0.001	< 0.001	<0.0015	<0.0015	<0.002	<0.0015	<0.0015	< 0.0015	< 0.01	<0.0015	<0.01
pH	s.u.	6.5-8.5	7.28	6.5	7.73	7.61	8.16	7.7	7.49	7.84	7.94	7.84	7.7	8.06	7.4
Selenium, Total[4]	mg/L	0.05	< 0.0075	< 0.007	< 0.0075	0.0112	<0.0075	0.009	0.0091	<0.0075	0.0104	0.0073	< 0.0005	<0.007	<0.005
Silver, Total	mg/L	0.1	< 0.001	< 0.001	< 0.001	< 0.001	<0.0015	<0.0015	<0.0015	<0.001	< 0.001	< 0.001	< 0.01	<0.001	<0.01
Specific Conductance	umhos/cm	None	590	888	953	580	739	470	608	413	156	213	557	547	542
Sulfate	mg/L	250	34.3	34.9	41.2	99.6	32.1	32	42.5	30.2	27.8	53.2	45	34.5	40
Zinc, Total	mg/L	5	0.009	0.0508	0.0317	0.0076	0.0045	0.0085	0.012	0.0044	0.0123	0.0186	0.038	0.0077	0.026

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

TABLE 34
CONSTRUCTION SAMPLING DATA
SAMPLING LOCATION RES-5 (BARELLA, Jr. WELL)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3]												
			01/23/2001	04/27/2001	07/27/2001	11/01/2001	02/06/2002	05/01/2002	08/25/2002	12/18/2002	03/07/2003	06/17/2003	10/08/2003	12/10/2003	03/29/2004
Aluminum, Total	mg/L	0.05-0.2	0.019	0.0284	0.109	0.129	0.01	0.18	<0.0025	<0.003	0.0811	0.0494		0.113	<0.1
Antimony, Total	mg/L	0.006	< 0.006	< 0.006	< 0.006	< 0.006	<0.006	<0.006	<0.006	<0.006	< 0.006	< 0.006	< 0.005	<0.006	<0.005
Arsenic, Total[4]	mg/L	0.05	< 0.01	< 0.0075	< 0.0075	< 0.0075	<0.0075	<0.007	<0.0075	<0.0075	< 0.008	< 0.007	< 0.005	<0.0075	<0.005
Barium, Total	mg/L	2	0.105	0.0956	0.101	0.111	0.117	0.127	0.106	0.141	0.109	0.0454	0.16	0.118	0.11
Boron, Total	mg/L	None	0.035	0.0572	0.0439	0.0479	0.0256	0.0385	0.0102	0.01	0.0378	0.0213	0.05	0.0484	0.06
Cadmium, Total[4]	mg/L	0.005	< 0.001	0.0012	0.0007	0.0011	<0.0005	<0.0005	<0.0005	<0.0005	< 0.001	< 0.001	< 0.001	<0.0005	<0.001
Chloride	mg/L	250	57.8	36	43.2	77.6	60	56	59.8	69.5	63.3	35.4	79	49.9	62.5
Chromium, Total[4]	mg/L	0.1	< 0.001	0.0052	0.0029	0.0038	0.0031	<0.001	0.0025	<0.001	0.0094	0.0018	< 0.01	0.0051	<0.01
Copper, Total	mg/L	1.3	< 0.001	0.0059	0.0064	0.0033	0.0023	0.0165	<0.001	<0.001	0.0098	0.0051	0.012	0.0053	<0.005
Iron, Total	mg/L	0.3	0.019	0.121	0.0514	0.0733	0.0841		0.0594	0.0883		0.11		0.166	0.27
Lead, Total	mg/L	0.015	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	< 0.005	0.003	<0.005	0.002
Manganese, Total	mg/L	0.05	< 0.0001	0.0401	0.0063	0.0026	0.0127		0.0165	0.0115		0.0266		0.0364	0.03
Mercury, Total[4]	µg/L	2	0.002	< 0.001	< 0.001	0.0076	<0.001	<0.001	<0.0005	<0.001	< 0.001	0.0006	<0.2	0.0044	<0.2
Molybdenum, Total	mg/L	None	< 0.002	0.008	0.0016	NA	<0.002	0.0026	<0.0025	0.0043	0.0076	< 0.002	< 0.1	<0.0025	<0.1
Nickel, Total	mg/L	None	< 0.001	0.0027	0.0029	< 0.001	<0.0015	0.0046	0.0032	0.0016	0.0046	0.0031	< 0.01	0.0062	<0.01
pH	s.u.	6.5-8.5	7.11	6.17	7.83	7.44	7.87	7.49	7.59	7.64	7.08	7.24	8.2	7.71	7.3
Selenium, Total[4]	mg/L	0.05	< 0.0075	< 0.007	< 0.0075	0.0083	<0.0075	0.0083	0.0141	<0.0075	0.023	< 0.007	< 0.0005	<0.007	<0.005
Silver, Total	mg/L	0.1	< 0.001	< 0.001	< 0.001	< 0.001	<0.0015	<0.0015	<0.0015	<0.001	< 0.001	< 0.001	< 0.01	<0.001	<0.01
Specific Conductance	umhos/cm	None	940	1251	1286	809	1420	820	813	848	311	215	776	810	825
Sulfate	mg/L	250	69	63.9	69.1	59.1	78.4	90	61.8	79.9	63.1	37.3	71	49.4	68
Zinc, Total	mg/L	5	< 0.001	0.0414	0.0293	0.0054	0.005	0.0277	0.0185	0.0029	0.0172	0.0085	0.02	0.0195	<0.005

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

ORION Power Midwest
ROSTRAVER AIRPORT

TABLE 35
CONSTRUCTION SAMPLING DATA
SAMPLING LOCATION RES-6 (FISHER WELL)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3]												
			01/23/2001	04/27/2001	07/27/2001	11/01/2001	02/06/2002	05/01/2002	08/25/2002	12/18/2002	03/07/2003	06/17/2003	10/08/2003	12/10/2003	03/29/2004
Aluminum, Total	mg/L	0.05-0.2	< 0.002	0.0851	0.0292	0.028	<0.0025	0.13	<0.0025	<0.003	0.142	0.0992	<0.1		
Antimony, Total	mg/L	0.006	< 0.006	< 0.006	< 0.006	< 0.006	<0.006	<0.006	<0.006	<0.006	< 0.006	< 0.006	< 0.005	<0.006	<0.005
Arsenic, Total[4]	mg/L	0.05	< 0.01	< 0.0075	< 0.0075	< 0.0075	<0.0075	<0.007	<0.0075	<0.0075	< 0.008	< 0.007	< 0.005	<0.0075	<0.005
Barium, Total	mg/L	2	0.095	0.0905	0.0622	0.0516	0.0785	0.101	0.0454	0.14	0.106	0.0473	0.05	0.104	0.1
Boron, Total	mg/L	None	0.057	0.0473	0.0572	0.0829	0.0437	0.0292	0.0272	0.0204	0.0327	0.0263	0.08	0.0774	0.07
Cadmium, Total[4]	mg/L	0.005	< 0.001	0.001	0.0011	< 0.0005	<0.0005	<0.0005	<0.0005	<0.0005	< 0.001	< 0.001	< 0.001	<0.0005	<0.001
Chloride	mg/L	250	90.3	111.2	98.3	62.5	52.4	133	69	89.5	149	123	116	104	155
Chromium, Total[4]	mg/L	0.1	< 0.001	0.0054	0.0028	0.0026	0.0028	<0.001	0.003	<0.001	0.0097	0.0032	< 0.01	0.0023	<0.01
Copper, Total	mg/L	1.3	< 0.001	0.0244	0.0206	0.0096	0.0183	0.0274	0.0104	<0.001	0.0276	0.0124	0.005	0.0252	0.025
Iron, Total	mg/L	0.3	0.027	0.0561	0.0304	0.0188	0.0599	0.0274	0.0307	0.0996	0.041	0.0212	0.05	0.0246	0.02
Lead, Total	mg/L	0.015	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	< 0.005	< 0.005	0.01	<0.005	0.001
Manganese, Total	mg/L	0.05	< 0.0001		0.0131	0.0055	0.0135	0.0416	0.0152			0.0424	0.03	0.0928	0.03
Mercury, Total[4]	µg/L	2	0.009	0.0017	< 0.001	0.0096	<0.001	<0.001	<0.0005	<0.001	< 0.001	0.0009	<0.2	<0.0005	<0.2
Molybdenum, Total	mg/L	None	< 0.002	0.0039	0.0012	NA	<0.002	0.0021	<0.0025	<0.002	0.0032	<0.002	<0.1	<0.0025	<0.1
Nickel, Total	mg/L	None	< 0.001	0.0083	0.0046	< 0.001	0.0024	0.0063	<0.002	0.0086	0.0105	0.0054	< 0.01	0.0089	<0.01
pH	s.u.	6.5-8.5	7.42	6.37	7.9	8.02	8.14	7.59	8.37	7.71	7.82	7.82	7	7.69	7.3
Selenium, Total[4]	mg/L	0.05	< 0.0075	< 0.007	< 0.0075	< 0.007	<0.0075	<0.007	<0.007	<0.0075	0.0094	< 0.007	< 0.0005	0.0095	<0.005
Silver, Total	mg/L	0.1	< 0.001	< 0.001	< 0.001	< 0.001	<0.0015	<0.0015	<0.0015	<0.001	< 0.001	< 0.001	< 0.01	<0.001	<0.01
Specific Conductance	umhos/cm	None	860	1372	1187	633	1150	870	595	695	337	297	732	797	919
Sulfate	mg/L	250	76.5	73.3	91.4	79.4	52.4	89	69.7	102	69.2	62.7	81	82.8	84
Zinc, Total	mg/L	5	0.006	0.0229	0.043	0.0125	0.0319	0.0236	0.0104	0.0262	0.0267	0.0169	0.012	0.0231	0.026

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

TABLE 36
CONSTRUCTION SAMPLING DATA
SAMPLING LOCATION RES-7A (MELILLI CISTERN)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3]												
			01/23/2001	04/27/2001	07/27/2001	11/01/2001	02/06/2002	05/01/2002	08/25/2002	12/18/2002	03/07/2003	06/17/2003	10/08/2003	12/10/2003	03/29/2004
Aluminum, Total	mg/L	0.05-0.2	0.141	0.091	0.156	0.0828	0.07	0.09	0.03	0.02	0.0331	0.071	0.11	0.103	<0.1
Antimony, Total	mg/L	0.006	< 0.006	< 0.006	< 0.006	< 0.006	<0.006	<0.006	<0.006	<0.006	< 0.006	< 0.006	< 0.005	<0.006	<0.005
Arsenic, Total[4]	mg/L	0.05	< 0.01	< 0.0075	< 0.0075	< 0.0075	<0.0075	<0.007	<0.0075	<0.0075	< 0.008	< 0.007	< 0.005	<0.0075	<0.005
Barium, Total	mg/L	2	0.004	0.0028	0.0045	0.0047	0.003	0.003	0.0052	0.0027	0.0027	0.0032	< 0.01	0.0042	<0.01
Boron, Total	mg/L	None	< 0.01	0.0172	0.0113	0.0059	<0.005	0.004	<0.01	<0.008	< 0.008	0.0145	0.08	0.0154	0.02
Cadmium, Total[4]	mg/L	0.005	< 0.001	< 0.0005	0.0005	< 0.0005	<0.0005	<0.0005	<0.0005	<0.0005	< 0.001	< 0.001	< 0.001	<0.0005	<0.001
Chloride	mg/L	250	3.3	1.21	1.63	2.86	2.37	2	1.5	1	1.3	0.13	< 1	0.29	<1
Chromium, Total[4]	mg/L	0.1	< 0.001	0.001	< 0.001	0.0015	<0.001	<0.001	<0.001	<0.001	< 0.001	< 0.001	< 0.01	<0.001	<0.01
Copper, Total	mg/L	1.3	0.004	0.0018	0.0028	0.0021	0.0017	0.0025	<0.001	<0.001	0.0023	0.0023	< 0.005	0.0119	<0.005
Iron, Total	mg/L	0.3	0.077	0.0203	0.0198	0.0204	0.0458	0.0127	0.0096	0.0089	0.0159	0.017	0.02	<0.001	0.02
Lead, Total	mg/L	0.015	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	< 0.005	< 0.005	< 0.001	<0.005	<0.001
Manganese, Total	mg/L	0.05	0.017	0.0043	0.0144	0.0235	0.0043	0.0077	0.0196	0.0039	0.0049	0.005	< 0.01	0.00193	<0.01
Mercury, Total[4]	µg/L	2	0.094	0.0028	< 0.001	0.0086	<0.001	<0.001	<0.0005	0.0024	0.0036	0.0011	<0.2	0.0024	<0.2
Molybdenum, Total	mg/L	None	< 0.002	< 0.002	< 0.001	NA	<0.002	<0.002	<0.0025	<0.002	< 0.002	< 0.002	< 0.1	<0.0025	<0.1
Nickel, Total	mg/L	None	< 0.001	< 0.001	< 0.001	< 0.001	<0.0015	<0.0015	<0.002	<0.0015	0.0022	0.0029	< 0.01	<0.0015	<0.01
pH	s.u.	6.5-8.5	7.72	6.77	7.11	7.81	7.62	7.64	7		7.02	7.57	7.3	7.63	7
Selenium, Total[4]	mg/L	0.05	< 0.0075	< 0.007	< 0.0075	0.0077	<0.0075	<0.007	<0.007	<0.0075	< 0.0075	< 0.007	< 0.005	<0.007	<0.005
Silver, Total	mg/L	0.1	< 0.001	< 0.001	< 0.001	< 0.001	<0.0015	<0.0015	<0.0015	<0.001	< 0.001	< 0.001	< 0.01	<0.001	<0.01
Specific Conductance	umhos/cm	None	110	93.5	119.2	78.3	100	40	66.4	29.8	12.1	10.7	52	37.8	40
Sulfate	mg/L	250	9.4	6.62	6.94	5.61	5.8	4.4	8.2	1.3	4.1	3.2	5	3.2	6
Zinc, Total	mg/L	5	0.034	0.0214	0.0287	0.0069	0.0169	0.0155	0.0096	0.0095	0.0304	0.0129	0.009	0.0148	0.024

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

TABLE 37
CONSTRUCTION SAMPLING DATA
SAMPLING LOCATION RES-7B (MELILLI SPRING HOUSE)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3]												
			01/23/2001	04/27/2001	07/27/2001	11/01/2001	02/06/2002	05/01/2002	08/25/2002	12/18/2002	03/07/2003	06/17/2003	10/08/2003	12/10/2003	03/29/2004
Aluminum, Total	mg/L	0.05-0.2	0.021	0.0131	0.0288	0.0291	<0.0025	0.02	<0.0025	<0.003	0.0125	0.0282	< 0.1	0.0339	<0.1
Antimony, Total	mg/L	0.006	< 0.006	< 0.006	< 0.006	< 0.006	<0.006	<0.006	<0.006	<0.006	< 0.006	< 0.006	< 0.005	<0.006	<0.005
Arsenic, Total[4]	mg/L	0.05	< 0.01	< 0.0075	< 0.0075	< 0.0075	<0.0075	<0.007	<0.0075	<0.0075	< 0.008	< 0.007	< 0.005	<0.0075	<0.005
Barium, Total	mg/L	2	0.084	0.0823	0.0927	0.0939	0.0764	0.0835	0.101	0.0802	0.0739	0.0901	0.12	0.0927	0.09
Boron, Total	mg/L	None	0.028	0.0405	0.0333	0.0439	0.0169	0.022	<0.01	0.0082	0.0152	0.0338	0.04	0.0429	0.08
Cadmium, Total[4]	mg/L	0.005	< 0.001	0.0009	0.0008	< 0.0005	<0.0005	<0.0005	<0.0005	<0.0005	< 0.001	< 0.001	< 0.001	<0.005	<0.001
Chloride	mg/L	250	41.4	24.3	43.1	73.6	33.9	32.5	57.4	39.3	13	19	76.7	34.9	32.4
Chromium, Total[4]	mg/L	0.1	< 0.001	0.0036	0.0034	0.0029	<0.001	<0.001	<0.001	<0.001	< 0.001	0.0041	<0.01	0.0019	<0.01
Copper, Total	mg/L	1.3	< 0.001	0.0022	0.0014	0.0013	0.0019	<0.001	<0.001	<0.001	0.0018	0.0013	< 0.005	0.0019	<0.005
Iron, Total	mg/L	0.3	0.009	0.0112	0.0275	0.0448	0.0597	0.0104	<0.001	0.0096	0.0155	0.0162	0.02	<0.001	<0.01
Lead, Total	mg/L	0.015	< 0.005	< 0.005	< 0.005		<0.005	<0.005	<0.005	<0.005	< 0.005	< 0.005	0.008	<0.005	<0.001
Manganese, Total	mg/L	0.05	< 0.0001	0.0005	0.0013	0.0022	0.002	<0.0005	<0.0005	<0.0005	0.00083	0.00084	< 0.01	0.00059	<0.01
Mercury, Total[4]	µg/L	2	0.008	< 0.001	< 0.001	0.0007	<0.001	<0.001	<0.0005	<0.001	< 0.001	0.001	<0.2	<0.0005	<0.2
Molybdenum, Total	mg/L	None	< 0.002	0.0053	0.0032	NA	<0.002	<0.002	<0.0025	<0.002	0.0038	0.0025	< 0.1	<0.0025	<0.1
Nickel, Total	mg/L	None	< 0.001	< 0.001	< 0.001	< 0.001	<0.0015	<0.0015	<0.002	<0.0015	< 0.0015	0.0021	<0.01	0.0016	<0.01
pH	s.u.	6.5-8.5	7.74	6.52	7.94	7.77	7.94	7.42	7.43	7.53	7.44	7.65	7.8	7.57	7.3
Selenium, Total[4]	mg/L	0.05	< 0.0075	< 0.007	< 0.0075	0.0091	<0.0075	0.0088	0.0123	<0.0075	0.008	< 0.007	< 0.005	<0.007	<0.005
Silver, Total	mg/L	0.1	< 0.001	< 0.001	< 0.001	< 0.001	<0.0015	<0.0015	<0.0015	<0.001	< 0.001	<0.001	< 0.01	<0.001	<0.01
Specific Conductance	umhos/cm	None	650	885	1067	700	966	540	699	511	179	188	693	585	537
Sulfate	mg/L	250	52.6	54.5	56.7	47.7	46.6	50.2	52	44.8	43.8	51.4	60	42.6	58
Zinc, Total	mg/L	5	0.007	0.0089	0.0278	0.0125	0.0065	0.0033	<0.001	0.0013	0.0041	0.0068	< 0.005	0.0079	<0.005

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

TABLE 38
CONSTRUCTION SAMPLING DATA
SAMPLING LOCATION RES-7C (MELILLI FIELD SPRING)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3]												
			01/23/2001	04/27/2001	07/27/2001	11/01/2001	02/06/2002	05/01/2002	08/25/2002	12/18/2002	03/07/2003	06/17/2003	10/08/2003	12/10/2003	03/29/2004
Aluminum, Total	mg/L	0.05-0.2	0.009	0.132		0.0307	<0.0025	0.15	<0.0025	0.03		0.106	< 0.1		<0.1
Antimony, Total	mg/L	0.006	< 0.006	< 0.006	< 0.006	< 0.006	<0.006	<0.006	<0.006	<0.006	< 0.006	< 0.006	< 0.005	<0.006	<0.005
Arsenic, Total[4]	mg/L	0.05	< 0.01	< 0.0075	< 0.0075	< 0.0075	<0.0075	<0.007	<0.0075	<0.0075	< 0.008	< 0.007	< 0.005	<0.0075	<0.005
Barium, Total	mg/L	2	0.078	0.135	0.153	0.0948	0.0845	0.165	0.0969	0.127	0.12	0.0985	0.1	0.134	0.1
Boron, Total	mg/L	None	0.012	0.0438	0.0337	0.019	0.0042	0.0233	<0.01	<0.008	< 0.008	0.0264	< 0.01	0.0354	0.09
Cadmium, Total[4]	mg/L	0.005	< 0.001	0.0006	0.0014	< 0.0005	<0.0005	<0.0005	<0.0005	<0.0005	< 0.001	< 0.001	< 0.001	<0.0005	<0.001
Chloride	mg/L	250	24.3	16.7	21.7	26.1	20.1	26.7	26.7	31.5	21.7	23.5	28.3	17	27
Chromium, Total[4]	mg/L	0.1	< 0.001	0.0102	0.0034	0.0013	0.0016	<0.001	<0.001	<0.001	0.0039	0.0023	< 0.01	0.0029	<0.01
Copper, Total	mg/L	1.3	< 0.001	0.0023	0.0017	< 0.001	<0.001	0.0018	<0.001	<0.001	0.0036	0.0023	< 0.005	0.0021	<0.005
Iron, Total	mg/L	0.3	0.018				0.205		<0.001			0.223	0.06		0.14
Lead, Total	mg/L	0.015	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	< 0.005	< 0.005	< 0.001	<0.005	<0.001
Manganese, Total	mg/L	0.05	0.012						0.0205				0.04		
Mercury, Total[4]	µg/L	2	0.006	0.0057	< 0.001	0.0013	<0.001	<0.001	<0.0005	0.0021	< 0.001	0.0006	<0.2	0.0029	<0.2
Molybdenum, Total	mg/L	None	< 0.002	< 0.002	0.0012	NA	<0.002	<0.002	<0.0025	<0.002	< 0.002	0.0025	< 0.1	<0.0025	<0.1
Nickel, Total	mg/L	None	< 0.001	0.0162	0.0116	< 0.001	<0.0015	0.0136	<0.002	0.0133	0.0044	0.0037	< 0.01	0.0062	<0.01
pH	s.u.	6.5-8.5	7.27	6.33	7.9	7.47	7.45	7.24	7.39	7.47	7.59	7.3	7.7	7.43	7.2
Selenium, Total[4]	mg/L	0.05	< 0.0075	< 0.007	< 0.0075	< 0.007	<0.0075	<0.007	<0.007	<0.0075	< 0.0075	< 0.007	< 0.005	<0.007	<0.005
Silver, Total	mg/L	0.1	< 0.001	< 0.001	< 0.001	< 0.001	<0.0015	<0.0015	<0.0015	<0.001	< 0.001	< 0.001	< 0.01	<0.001	<0.01
Specific Conductance	umhos/cm	None	480	638	801	487	766	470	510	466	169	161	469	484	459
Sulfate	mg/L	250	60.9	53.2	62	55.1	64.8	64.6	69.5	76.9	60.7	62	78	66.4	64
Zinc, Total	mg/L	5	< 0.001	0.0158	0.0321	0.0036	0.0025	0.0124	<0.001	0.0068	0.007	0.0075	< 0.005	0.0116	<0.005

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

TABLE 39
CONSTRUCTION SAMPLING DATA
SAMPLING LOCATION RES-7D (MELILLI UPPER POND)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3]												
			01/23/2001	04/27/2001	07/27/2001	11/01/2001	02/06/2002	05/01/2002	08/25/2002	12/18/2002	03/07/2003	06/17/2003	10/08/2003	12/10/2003	03/29/2004
Aluminum, Total	mg/L	0.05-0.2	0.07	0.0779		NS	0.11		NS	<0.003	0.07	0.0894	NS		
Antimony, Total	mg/L	0.006	< 0.006	< 0.006	< 0.006	NS	<0.006	<0.006	NS	<0.006	< 0.006	< 0.006	NS	<0.006	<0.005
Arsenic, Total[4]	mg/L	0.05	< 0.01	< 0.0075	< 0.0075	NS	<0.0075	<0.007	NS	<0.0075	< 0.008	< 0.007	NS	<0.0075	<0.005
Barium, Total	mg/L	2	0.123	0.0801	0.0942	NS	0.072	0.0868	NS	0.0755	0.0666	0.0632	NS	0.0905	0.1
Boron, Total	mg/L	None	0.05	0.0325	0.0581	NS	0.0153	0.0277	NS	0.0129	0.0107	0.0421	NS	0.0435	0.06
Cadmium, Total[4]	mg/L	0.005	< 0.001	0.0006	0.0028	NS	<0.0005	<0.0005	NS	<0.0005	< 0.001	<0.001	NS	<0.0005	<0.001
Chloride	mg/L	250	33.4	46.2	79.7	NS	39.9	57.4	NS	60.7	46.3	39	NS	48.5	34.3
Chromium, Total[4]	mg/L	0.1	< 0.001	0.0035	0.0069	NS	0.0017	<0.001	NS	<0.001	< 0.001	0.0034	NS	0.0019	<0.01
Copper, Total	mg/L	1.3	< 0.001	0.0043	0.0059	NS	0.002	0.0018	NS	<0.001	0.0024	0.0022	NS	0.0014	<0.005
Iron, Total	mg/L	0.3		0.253		NS			NS	0.118	0.16	0.182	NS		
Lead, Total	mg/L	0.015	< 0.005	< 0.005	< 0.005	NS	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	NS	<0.005	0.003
Manganese, Total	mg/L	0.05				NS			NS	0.0466	0.0442	0.038	NS		
Mercury, Total[4]	µg/L	2	0.004	< 0.001	< 0.001	NS	<0.001	<0.001	NS	0.0012	< 0.001	< 0.0004	NS	0.0027	<0.2
Molybdenum, Total	mg/L	None	< 0.002	0.0036	0.0014	NS	<0.002	0.0027	NS	<0.002	0.0029	< 0.002	NS	<0.0025	<0.1
Nickel, Total	mg/L	None	< 0.001	0.0013	0.003	NS	<0.0015	<0.0015	NS	<0.0015	0.0042	0.0025	NS	<0.0015	<0.01
pH	s.u.	6.5-8.5	7.6	6.38	7.83	NS	7.75	7.85	NS	7.33	7.66	7.88	NS	7.8	8
Selenium, Total[4]	mg/L	0.05	< 0.0075	< 0.007	< 0.0075	NS	<0.0075	0.0064	NS	<0.0075	< 0.0075	< 0.007	NS	<0.007	<0.005
Silver, Total	mg/L	0.1	< 0.001	< 0.001	< 0.001	NS	<0.0015	<0.0015	NS	<0.001	<0.001	< 0.001	NS	<0.001	<0.01
Specific Conductance	umhos/cm	None	710	874	1006	NS	821	550	NS	524	175	171	NS	564	488
Sulfate	mg/L	250	44	52.5	33.5	NS	36.4	45.8	NS	43.8	35.5	34.8	NS	40.2	49
Zinc, Total	mg/L	5	0.005	0.0288	0.0323	NS	0.0051	0.005	NS	0.0046	0.0175	0.0077	NS	0.0079	0.007

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Sampled
4) Action Parameter

TABLE 40
CONSTRUCTION SAMPLING DATA
SAMPLING LOCATION RES-7E (MELILLI LOWER POND)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3] 01/23/2001	04/27/2001	07/27/2001	11/01/2001	02/06/2002	05/01/2002	08/25/2002	12/18/2002	03/07/2003	06/17/2003	10/08/2003	12/10/2003	03/29/2004
Aluminum, Total	mg/L	0.05-0.2		0.0305	0.0518	NS	0.04	0.07	NS	0.00	0.0871	0.0327	< 0.1	0.131	<0.1
Antimony, Total	mg/L	0.006		< 0.006	< 0.006	NS	<0.006	<0.006	NS	<0.006	< 0.006	< 0.006	< 0.005	<0.006	<0.005
Arsenic, Total[4]	mg/L	0.05	< 0.01	< 0.0075	< 0.0075	NS	<0.0075	<0.007	NS	<0.0075	< 0.008	< 0.007	< 0.005	<0.0075	<0.005
Barium, Total	mg/L	2	0.092	0.0979	0.0757	NS	0.0748	0.12	NS	0.0797	0.0979	0.0487	0.16	0.112	0.1
Boron, Total	mg/L	None	0.028	0.0287	0.0442	NS	0.012	0.031	NS	0.0111	0.0119	0.0246	0.03	0.0408	0.09
Cadmium, Total[4]	mg/L	0.005	< 0.001	< 0.0005	0.0004	NS	<0.0005	<0.0005	NS	<0.0005	< 0.001	< 0.001	< 0.001	<0.0005	<0.001
Chloride	mg/L	250	16.75	35.1	6.19	NS	24.4	44.1	NS	39	42.3	7.4	37	8.4	38.7
Chromium, Total[4]	mg/L	0.1	< 0.001	0.0026	0.0017	NS	0.0018	<0.001	NS	<0.001	< 0.001	0.0018	< 0.01	0.0023	<0.01
Copper, Total	mg/L	1.3	< 0.001	< 0.001	< 0.001	NS	0.0013	0.002	NS	<0.001	0.0022	0.0035	< 0.005	<0.001	<0.005
Iron, Total	mg/L	0.3		0.129	0.17	NS		0.267	NS	0.102	0.273	0.0454		0.232	0.2
Lead, Total	mg/L	0.015	< 0.005	< 0.005	< 0.005	NS	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	<0.001	<0.005	<0.001
Manganese, Total	mg/L	0.05				NS			NS			0.0307			
Mercury, Total[4]	µg/L	2	< 0.001	0.0054	< 0.001	NS	<0.001	<0.001	NS	<0.001	0.0012	0.0005	<0.2	0.0017	<0.2
Molybdenum, Total	mg/L	None	< 0.002	0.0035	0.0017	NS	<0.002	<0.002	NS	<0.002	0.0026	< 0.002	< 0.1	<0.0025	<0.1
Nickel, Total	mg/L	None	< 0.001	< 0.001	< 0.001	NS	<0.0015	<0.0015	NS	<0.0015	< 0.0015	0.0026	< 0.01	<0.0015	<0.01
pH	s.u.	6.5-8.5	7.46	6.27	7.95	NS	7.93	7.78	NS	7.33	7.74	8.14	8.1	7.19	8
Selenium, Total[4]	mg/L	0.05	< 0.0075	< 0.007	< 0.0075	NS	<0.0075	<0.007	NS	<0.0075	0.0078	< 0.007	<0.005	<0.007	<0.005
Silver, Total	mg/L	0.1	< 0.001	< 0.001	< 0.001	NS	<0.0015	<0.0015	NS	<0.001	< 0.001	< 0.001	< 0.01	<0.001	<0.01
Specific Conductance	umhos/cm	None	440	782	653	NS	662	490	NS	438	169	134	471	501	476
Sulfate	mg/L	250	37.4	38.9	22.2	NS	30.4	49.5	NS	39	33.8	33.5	16	40.4	47
Zinc, Total	mg/L	5	0.004	0.0089	0.0129	NS	0.0062	0.0033	NS	0.0011	0.0074	0.0071	0.008	0.0035	<0.005

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Sampled
4) Action Parameter

TABLE 41
CONSTRUCTION SAMPLING DATA
SAMPLING LOCATION RES-8 (GABAUER SPRING)

Parameter	Units	Drinking Water Standards[1]	Sample Date[2,3] 01/23/2001	04/27/2001	07/27/2001	11/01/2001	02/06/2002	05/01/2002	08/25/2002	12/18/2002	03/07/2003	06/17/2003	10/08/2003	12/10/2003	03/29/2004
Aluminum, Total	mg/L	0.05-0.2		0.0108		0.123	0.04	0.15		0.16	0.13				
Antimony, Total	mg/L	0.006	< 0.006	< 0.006	< 0.006	< 0.006	<0.006	<0.006	<0.006	<0.006	< 0.006	< 0.006	< 0.005	<0.006	<0.005
Arsenic, Total[4]	mg/L	0.05	< 0.01	< 0.0075	< 0.0075	< 0.0075	<0.0075	<0.007	<0.0075	<0.0075	<0.008	< 0.007	< 0.005	<0.0075	<0.005
Barium, Total	mg/L	2	0.086	0.0956	0.14	0.105	0.0823	0.106	0.11	0.103	0.0936	0.111	0.12	0.102	0.12
Boron, Total	mg/L	None	0.033	0.0327	0.0594	0.0387	0.0219	0.034	0.026	0.0207	0.0188	0.053	0.06	0.0803	0.07
Cadmium, Total[4]	mg/L	0.005	< 0.001	0.0005	0.0031	< 0.0005	<0.0005	<0.0005	<0.0005	<0.0005	< 0.001	< 0.001	< 0.001	<0.0005	<0.001
Chloride	mg/L	250	6.1	3.53	12.8	5.93	5.05	5.25	6.8	6	7.4	18.8	5.33	4.5	4.3
Chromium, Total[4]	mg/L	0.1	< 0.001	0.0028	0.0074	0.0022	0.002	<0.001	<0.001	<0.001	< 0.001	0.0036	< 0.01	0.0024	<0.01
Copper, Total	mg/L	1.3	< 0.001	< 0.001	0.0065	0.0015	0.0036	0.0012	<0.001	<0.001	0.0039	0.0019	< 0.005	0.0033	<0.005
Iron, Total	mg/L	0.3	0.211	0.0784		0.0825	0.0898	0.111		0.226	0.126				
Lead, Total	mg/L	0.015	< 0.005	< 0.005	0.006	< 0.005	<0.005	<0.005	<0.005	<0.005	< 0.005	< 0.005	0.002	<0.005	0.002
Manganese, Total	mg/L	0.05	0.017	0.0117		0.0164	0.0072	0.0259		0.034	0.0245	0.0406		0.042	
Mercury, Total[4]	µg/L	2	< 0.001	< 0.001	< 0.001	0.0027	<0.001	<0.001	<0.0005	0.0012	<0.001	< 0.0004	<0.2	0.0038	<0.2
Molybdenum, Total	mg/L	None	< 0.002	0.0041	0.0026	NA	<0.002	<0.002	<0.0025	<0.002	0.0022	< 0.002	< 0.1	<0.0025	<0.1
Nickel, Total	mg/L	None	< 0.001	< 0.001	0.0038	< 0.001	<0.0015	<0.0015	<0.002	<0.0015	<0.0015	0.0025	< 0.01	0.0024	<0.01
pH	s.u.	6.5-8.5	7.47	6.51	7.88	8.17	8.22	8.25	8.04	7.69	7.87	7.58	8.3	7.97	8.2
Selenium, Total[4]	mg/L	0.05	< 0.0075	< 0.007	< 0.0075	< 0.007	<0.0075	<0.007	<0.007	<0.0075	< 0.0075	< 0.007	<0.005	<0.007	<0.005
Silver, Total	mg/L	0.1	< 0.001	< 0.001	< 0.001	< 0.001	<0.0015	<0.0015	<0.0015	<0.001	< 0.001	< 0.001	< 0.01	<0.001	<0.01
Specific Conductance	umhos/cm	None	480	651	888	552	813	470	532	442	149	135	520	451	477
Sulfate	mg/L	250	64.7	54.2	78.7	73.9	79.2	66.3	93.5	78.4	71	52	99	84.8	69
Zinc, Total	mg/L	5	0.007	0.0045	0.0216	0.0034	0.0025	0.0048	0.0096	0.0046	0.0061	0.0103	0.009	0.0114	0.01

Notes:
1) From "Drinking water Regulations and Health Advisories" Dated Summer 2000, US EPA, Office of Water
If no MCL exists the SDWR is used.
2) Shaded values indicates an exceedance of either the MCL, SDWR or Action Level
3) Not Analyzed
4) Action Parameter

TABLE 42
BACKGROUND SAMPLING DATA - SAMPLING LOCATION SP-1
ROSTRAVER AIRPORT

Parameter	MCL for Drinking Water	Action Level	Units	Sample Date																	
				10/17/97	11/04/97	11/25/98	12/29/97	01/30/98	02/23/98	03/24/98	04/28/98	05/29/98	06/26/98	07/27/98	8/27/98	12/21/98	08/29/00	09/12/00	09/26/00	10/10/2000	10/24/2000
ALUMINUM	0.05-0.2	--	mg/l	0.31	0.22	0.42	0.25	0.21	0.23	0.16	0.17	0.31	0.21	0.22	0.16	0.24	0.23	0.07	0.21	<0.001	0.058
ANTIMONY	0.006	--	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.08	<0.08	<0.006	<0.006	<0.006
ARSENIC	--	0.015	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.08	<0.08	<0.010	<0.010	<0.010
BARIUM	2	--	mg/l	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11	0.10	0.071	0.097	0.105
BORON	None	None	mg/l	1.03	0.38	1.65	1.83	1.38	1.52	1.53	1.27	1.25	0.95	0.91	1.18	0.08	0.09	<0.008	0.049	0.055	0.044
CADMIUM	--	0.002	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.006	<0.006	<0.001	<0.001	<0.001
CHLORIDE	250	--	mg/l	58.1	72	44.4	55	49.7	53	43.9	34.5	30.2	41.5	43.8	58.9	61.7	41.10	53.20	47.7	72.8	56.3
CHROMIUM	--	0.009	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.006	<0.006	<0.001	<0.001	<0.001
COPPER	1.3	--	mg/l	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.01	<0.006	0.002	<0.001	<0.001
IRON	0.3	--	mg/l	0.32	0.19	0.08	0.09	0.09	0.32	0.25	0.15	0.32	0.27	0.25	0.23	0.32	0.32	0.10	0.32	0.156	0.152
LEAD	0.015	--	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.001	<0.08	<0.08	<0.005	<0.005	<0.005
MANGANESE	0.05	--	mg/l	0.06	0.04	<0.01	<0.01	<0.01	0.04	0.03	0.02	0.06	0.06	0.04	0.04	0.06	0.06	0.03	0.06	0.038	0.043
MERCURY	--	0.0005	mg/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NA[2]	NA	0.00001	<0.000001	0.000006
MOLYBDENUM	None	None	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005	<0.005	<0.002	<0.002	<0.002
NICKEL	None	None	mg/l	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.010	<0.010	<0.001	<0.001	<0.001
pH	6.5-8.5	--	S.U.	7.5	7.7	7.5	8.1	7.9	7.5	7.5	7.8	7.8	7.7	7.6	7.7	8	8.0	8.0	7.2	8.4	8.4
SELENIUM	--	0.01	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.2	<0.2	<0.0075	<0.0075	<0.0075
SILVER	0.1	--	mg/l	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.010	<0.010	<0.001	<0.001	<0.001
CONDUCTIVITY	None	None	umho/cm	600	600	550	520	520	460	450	440	500	525	530	550	634	650	660	490	730	660
SULFATE	250	--	mg/l	75.1	74.7	64.7	59.7	56.3	54.5	54.9	55.2	57.9	58.5	59.5	62.4	75	56.89	59.00	40.2	67.7	63.5
ZINC	5	--	mg/l	0.032	0.014	<0.005	0.008	<0.005	0.02	0.02	0.01	0.02	0.02	0.02	0.03	<0.01	0.01	<0.006	0.025	<0.001	<0.001

NOTES 1. Shaded value indicates an exceedence of Action Level, Primary MCL, or Secondary MCL.
2. Not analyzed due to lack of sample volume resulting from re-analysis of other parameters.
3. N/A - Not Analyzed

TABLE 43
BACKGROUND SAMPLING DATA - SAMPLING LOCATION SP-2
ROSTRAVER AIRPORT

Parameter	MCL for Drinking Water	Action Level	Units	Sample Date																	
				10/17/97	11/04/97	11/25/98	12/29/97	01/30/98	02/23/98	03/24/98	04/28/98	05/29/98	06/26/98	07/27/98	8/27/98/	12/21/98	08/29/00	09/12/00	09/26/00	10/10/2000	10/24/2000
ALUMINUM	0.05-0.2	–	mg/l	0.1	0.14	<0.1	0.12	0.15	0.27	0.14	0.11	0.12	0.27	0.31	0.19	<0.1	0.06	0.06	0.11	0.131	0.017
ANTIMONY	0.006	–	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.08	<0.08	<0.006	<0.006	<0.006
ARSENIC	–	0.015	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.08	<0.08	<0.010	<0.010	<0.001
BARIUM	2	–	mg/l	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.09	0.09	0.081	0.092	0.095
BORON	None	None	mg/l	0.8	1.24	1.19	1.63	1.31	1.5	1.41	1.06	1.3	1.21	0.85	1.23	0.03	0.08	0.03	0.05	0.047	0.041
CADMIUM	–	0.002	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.006	<0.006	<0.001	<0.001	<0.001
CHLORIDE	250	–	mg/l	41.5	44	43.1	47.2	44.9	33.7	33.2	29.2	30.9	37.2	36.2	40.2	43.2	39.60	48.10	41.7	52.8	50.2
CHROMIUM	–	0.009	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.006	<0.006	<0.001	<0.001	<0.001
COPPER	1.3	–	mg/l	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.01	<0.006	<0.001	<0.001	<0.001
IRON	0.3	–	mg/l	0.07	0.08	0.05	0.07	0.08	0.33	0.24	0.14	0.33	0.21	0.21	0.22	0.21	0.06	0.05	0.33	0.283	0.084
LEAD	0.015	–	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.001	<0.08	<0.08	<0.005	<0.005	<0.005
MANGANESE	0.05	–	mg/l	0.06	0.03	<0.01	<0.01	<0.01	0.06	0.02	<0.01	0.03	0.06	0.02	0.03	0.02	<0.006	0.01	0.047	0.013	0.005
MERCURY	–	5E-04	mg/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NA[1]	NA	0.00001	0.000003	<0.000001
MOLYBDENUM	None	None	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005	<0.005	<0.002	<0.002	<0.002
NICKEL	None	None	mg/l	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.010	<0.010	0.002	0.002	<0.001
pH	6.5-8.5	–	S.U.	7.6	7.8	7.8	8.3	7.9	7.7	7.8	7.9	8	7.9	7.6	7.9	8.3	8.3	7.9	7.6	8.2	8.4
SELENIUM	–	0.01	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.2	<0.2	<0.0075	<0.0075	<0.0075
SILVER	0.1	–	mg/l	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.010	<0.010	<0.001	<0.001	<0.001
CONDUCTIVITY	None	None	umho/cm	560	520	540	510	520	450	470	440	500	525	520	520	594	590	590	560	640	630
SULFATE	250	–	mg/l	70	69.6	64.9	60.5	57.5	52.3	53.6	55.7	60.9	59.1	60.5	58.7	78	61.05	61.61	45.2	65.1	64.9
ZINC	5	–	mg/l	0.008	0.008	<0.005	<0.005	<0.005	0.01	0.01	0.01	0.01	0.01	0.02	0.02	<0.01	<0.006	0.02	0.01	0.005	<0.001

NOTES: 1. Not analyzed due to lack of sample volume resulting from re-analysis of other parameters.
2. Shaded value indicates an exceedence of Action Level, Primary MCL, or Secondary MCL.
3. N/A - Not Analyzed

[redacted]

TABLE 44
BACKGROUND SAMPLING DATA - SAMPLING LOCATION SP-3
ROSTRAVER AIRPORT

Parameter	MCL for Drinking Water	Action Level	Units	Sample Date																	
				10/17/97	11/04/97	11/25/98	12/29/97	01/30/98	02/23/98	03/24/98	04/28/98	05/29/98	06/26/98	07/27/98	8/27/98/	12/21/98	08/29/00	09/12/00	09/26/00	10/10/2000	10/24/2000
ALUMINUM	0.05-0.2	–	mg/l	0.17		0.18	0.12	0.17		0.12					0.18	<0.1	0.07	0.07		0.052	0.086
ANTIMONY	0.006	–	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.08	<0.08	<0.006	<0.006	<0.006
ARSENIC	–	0.015	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.08	<0.08	<0.010	<0.010	<0.010
BARIUM	2	–	mg/l	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.09	0.09	0.076	0.084	0.087
BORON	None	None	mg/l	1.03	1.43	1.37	1.4	1.45	1.49	1.2	0.94	1.22	1.03	1.21	1.09	0.05	0.13	0.06	0.074	0.082	0.097
CADMIUM	–	0.002	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.006	<0.006	<0.001	<0.001	<0.001
CHLORIDE	250	–	mg/l	47.5	49.3	43.5	44.2	46.3	37.5	30.5	28.8	31.4	34.8	36.4	41.1	43.7	40.20	43.00	46	50.6	45.4
CHROMIUM	–	0.009	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.006	<0.006	<0.001	<0.001	<0.001
COPPER	1.3	–	mg/l	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.006	<0.006	<0.001	<0.001	<0.001
IRON	0.3	–	mg/l	0.16	0.14	0.05	0.08	0.08		0.24	0.14		0.24	0.2	0.26	0.11	0.06	0.05		0.164	0.09
LEAD	0.015	–	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.001	<0.08	<0.08	<0.005	<0.005	<0.005
MANGANESE	0.05	–	mg/l	0.02	0.02	<0.01	<0.01	<0.01		0.03	0.02	0.03		0.02	0.01	0.02	0.03	0.01	0.038	0.008	0.007
MERCURY	–	0.0005	mg/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NA[1]	NA	0.000045	0.00002	0.0000026
MOLYBDENUM	None	None	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005	<0.005	<0.002	<0.002	<0.002
NICKEL	None	None	mg/l	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.010	<0.010	<0.001	<0.001	<0.001
pH	6.5-8.5	–	S.U.	7.7	7.9	7.9	8.2	8	7.8	8	8	8	8	8	7.9	8.3	8.3	8.4	8.2	8.2	8.4
SELENIUM	–	0.01	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.2	<0.2	<0.0075	<0.0075	<0.0075
SILVER	0.1	–	mg/l	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.010	<0.010	<0.001	<0.001	<0.001
CONDUCTIVITY	None	None	umho/cm	610	550	520	500	500	425	425	420	500	500	510	530	623	640	600	570	640	610
SULFATE	250	–	mg/l	78.6	77.4	71.6	66.1	61.5	53.9	55	58.3	64	62.6	65.2	66.5	103	65.32	66.18	50.4	70.1	67.6
ZINC	5	–	mg/l	0.015	0.007	<0.005	<0.005	<0.005	0.03	0.01	0.01	0.02	0.02	0.01	0.02	<0.01	<0.006	0.01	0.01	<0.001	<0.001

NOTES: 1. Not analyzed due to lack of sample volume resulting from re-analysis of other parameters.
2. Shaded value indicates an exceedence of Action Level, Primary MCL, or Secondary MCL.
3. N/A - Not Analyzed

[redacted]

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TABLE 45
BACKGROUND SAMPLING DATA - SAMPLING LOCATION SP-4
ROSTRAVER AIRPORT

Parameter	MCL for Drinking Water	Action Level	Units	Sample Date																	
				10/17/97	11/04/97	11/25/98	12/29/97	01/30/98	02/23/98	03/24/98	04/28/98	05/29/98	06/26/98	07/27/98	8/27/98/	12/21/98	08/29/00	09/12/00	09/26/00	10/10/2000	10/24/2000
ALUMINUM	0.05-0.2	–	mg/l	<0.1	0.18	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	0.08	<0.04	0.052	<0.002	<0.002
ANTIMONY	0.006	–	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.06	<0.06	<0.006	<0.006	<0.006
ARSENIC	–	0.015	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.06	<0.06	<0.010	<0.010	<0.01
BARIUM	2	–	mg/l	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.07	0.07	0.059	0.065	0.067
BORON	None	None	mg/l	1.61	1.23	1.45	1.63	1.23	1.17	1.32	1.38	1.35	1.4	1.38	1.36	0.05	0.16	0.09	0.071	0.072	0.068
CADMIUM	–	0.002	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.006	<0.006	<0.001	<0.001	<0.001
CHLORIDE	250	–	mg/l	98.2	96.2	61.9	52.3	75.7	45.2	39.1	46.8	57.1	51.3	62.4	75.7	73.8	65.90	65.20	67.2	77.5	58.5
CHROMIUM	–	0.009	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	0.01	<0.006	<0.001	<0.001	<0.001
COPPER	1.3	–	mg/l	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.006	<0.006	<0.001	<0.001	<0.001
IRON	0.3	–	mg/l	0.07	0.09	0.07	0.1	0.12		0.16	0.1		0.23	0.24	0.16	0.14	0.06	0.04	0.211	0.077	0.06
LEAD	0.015	–	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.001	<0.06	<0.06	<0.005	<0.005	<0.005
MANGANESE	0.05	–	mg/l	0.02	0.02	<0.01	0.01	<0.01		0.04	0.01			0.03	<0.01	0.02	0.01	<0.006	0.01	0.002	0.005
MERCURY	–	0.0005	mg/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NA[1]	NA	<0.000002	0.000054	0.000004
MOLYBDENUM	None	None	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.02	<0.005	<0.002	<0.002	<0.002
NICKEL	None	None	mg/l	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.010	<0.010	<0.001	<0.001	<0.001
pH	6.5-8.5	–	S.U.	7.8	7.5	7.9	8.3	7.9	7.6	8	8	8	7.9	7.9	7.9	8.3	8.3	8.4	8.2	8.4	8.2
SELENIUM	–	0.01	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.2	<0.2	<0.0075	<0.0075	<0.0075
SILVER	0.1	–	mg/l	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.010	<0.010	0.007	<0.001	<0.001
CONDUCTIVITY	None	None	umho/cm	725	760	580	475	550	390	410	470	550	510	580	680	686	670	620	700	700	650
SULFATE	250	–	mg/l	94.5	108	85.5	73.6	71.7	52.5	61.5	70.7	78.7	72.3	81.4	97.2	110	79.43	77.79	72.4	78.6	73.4
ZINC	5	–	mg/l	0.011	0.011	<0.005	<0.005	<0.005	0.07	0.01	0.01	0.02	0.02	0.02	0.01	<0.01	<0.006	<0.006	0.007	<0.001	<0.001

NOTES: 1. Not analyzed due to lack of sample volume resulting from re-analysis of other parameters.
2. N/A - Not Analyzed

TABLE 46
BACKGROUND SAMPLING DATA - SAMPLING LOCATION SP-5
ROSTRAVER AIRPORT

Parameter	MCL for Drinking Water	Action Level	Units	Sample Date					
				12/21/98	08/29/00	09/12/00	09/26/00	10/10/2000	10/24/2000
ALUMINUM	0.05-0.2	--	mg/l	<0.1	0.08	0.06	[redacted]	<0.002	<0.002
ANTIMONY	0.006	--	mg/l	<0.1	<0.08	<0.08	<0.006	<0.006	<0.006
ARSENIC	--	0.015	mg/l	<0.005	<0.08	<0.08	<0.010	<0.010	<0.010
BARIUM	2	--	mg/l	N/A	0.10	0.10	0.093	0.1	0.103
BORON	None	None	mg/l	0.07	0.13	0.05	0.048	0.048	0.046
CADMIUM	--	0.002	mg/l	<0.005	<0.006	<0.006	<0.001	<0.001	<0.001
CHLORIDE	250	--	mg/l	42.2	32.70	40.60	38.9	53	43.5
CHROMIUM	--	0.009	mg/l	<0.01	<0.006	<0.006	<0.001	<0.001	<0.001
COPPER	1.3	--	mg/l	N/A	<0.006	<0.006	<0.001	<0.001	<0.001
IRON	0.3	--	mg/l	0.12	0.07	0.07	[redacted]	0.084	0.084
LEAD	0.015	--	mg/l	<0.001	<0.08	<0.08	<0.005	<0.005	<0.005
MANGANESE	0.05	--	mg/l	0.01	0.02	0.01	[redacted]	0.006	0.008
MERCURY	--	0.0005	mg/l	<0.0002	NA[1]	NA	2.6E-05	<0.000001	0.000026
MOLYBDENUM	None	None	mg/l	<0.1	<0.005	<0.005	<0.002	<0.002	<0.002
NICKEL	None	None	mg/l	<0.01	<0.010	<0.010	<0.001	<0.001	<0.001
pH	6.5-8.5	--	S.U.	7.5	7.6	7.5	8.2	8.1	8.2
SELENIUM	--	0.01	mg/l	<0.005	<0.2	<0.2	<0.0075	<0.0075	<0.0075
SILVER	0.1	--	mg/l	N/A	<0.010	<0.010	<0.001	<0.001	<0.001
CONDUCTIVITY	None	None	umho/cm	593	580	520	590	530	630
SULFATE	250	--	mg/l	75	58.90	60.95	43.30	63.40	61.00
ZINC	5	--	mg/l		<0.006	<0.006	<0.001	<0.001	<0.001

NOTES: 1. Not analyzed due to lack of sample volume resulting from re-analysis of other parameters.
2. Shaded value indicates an exceedence of Action Level, Primary MCL, or Secondary MCL.
3. N/A - Not Analyzed

TABLE 47
BACKGROUND SAMPLING DATA - SAMPLING LOCATION SP-6
ROSTRAVER AIRPORT

Parameter	MCL for Drinking Water	Action Level	Units	Sample Date					
				12/21/98	08/29/00	09/12/00	09/26/00	10/10/2000	10/24/2000
ALUMINUM	0.05-0.2	--	mg/l	<0.1	N.S.	N.S.		<0.002	<0.002
ANTIMONY	0.006	--	mg/l	<0.1	N.S.	N.S.	<0.006	<0.006	<0.006
ARSENIC	--	0.015	mg/l	<0.005	N.S.	N.S.	<0.010	<0.010	<0.010
BARIUM	2	--	mg/l	N/A	N.S.	N.S.	0.078	0.087	0.095
BORON	None	None	mg/l	0.07	N.S.	N.S.	0.034	0.048	0.045
CADMIUM	--	0.002	mg/l	<0.005	N.S.	N.S.	<0.001	<0.001	<0.001
CHLORIDE	250	--	mg/l	40.3	N.S.	N.S.	36.8	49.95	39
CHROMIUM	--	0.009	mg/l	<0.01	N.S.	N.S.	<0.001	<0.001	<0.001
COPPER	1.3	--	mg/l	N/A	N.S.	N.S.	<0.001	<0.001	0.042
IRON	0.3	--	mg/l	0.23	N.S.	N.S.		0.032	0.035
LEAD	0.015	--	mg/l	<0.001	N.S.	N.S.	<0.005	<0.005	<0.005
MANGANESE	0.05	--	mg/l	0.04	N.S.	N.S.			0.005
MERCURY	--	0.0005	mg/l	<0.0002	N.S.	N.S.	0.000022	0.000047	0.000007
MOLYBDENUM	None	None	mg/l	<0.1	N.S.	N.S.	<0.002	0.001	<0.002
NICKEL	None	None	mg/l	<0.01	N.S.	N.S.	<0.001	<0.001	<0.001
pH	6.5-8.5	--	S.U.	7.6	N.S.[1]	N.S.	8.2	8.2	7.7
SELENIUM	--	0.01	mg/l	<0.005	N.S.	N.S.	<0.0075	<0.0075	<0.0075
SILVER	0.1	--	mg/l	N/A	N.S.	N.S.	<0.001	<0.001	<0.001
CONDUCTIVITY	None	None	umho/cm	578	N.S.	N.S.	500	490	610
SULFATE	250	--	mg/l	78	N.S.	N.S.	39.85	67	60.1
ZINC	5	--	mg/l	<0.01	N.S.	N.S.	<0.001	<0.001	<0.001

NOTES: 1. Not sampled due to lack of discharge from pond.
2. Shaded value indicates an exceedence of Action Level, Primary MCL, or Secondary MCL.
3. N/A - Not Analyzed

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TABLE 48
CONSTRUCTION SAMPLING
LOCATION SP-1
ROSTRAVER AIRPORT

Parameter	Units	Sample Date[1]												
		01/23/01	04/27/01	07/27/01	11/01/2001	02/02/02	05/01/02	08/25/02	12/18/2002	03/07/03	06/17/03	10/08/03	12/10/03	03/29/04
Aluminum, Total	mg/l	0.057	0.086	0.149	0.0513	<0.0025	0.106	0.0585	0.0127	0.151	0.105	< 0.1	0.13	0.12
Antimony, Total	mg/l	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	< 0.006	< 0.006	< 0.005	< 0.006	<0.005
Arsenic, Total	mg/l	<0.010	<0.0075	<0.0075	<0.0075	<0.0075	<0.007	<0.0075	<0.0075	< 0.006	< 0.007	< 0.005	< 0.0075	<0.005
Barium, Total	mg/l	0.109	0.097	0.109	0.0971	0.0986	0.0914	0.090	0.134	0.103	0.116	0.100	0.113	0.1
Boron, Total	mg/l	0.030	0.030	0.066	0.0572	0.0354	0.033	0.0677	0.0165	0.0093	0.0441	0.0400	0.0585	0.08
Cadmium, Total	mg/l	<0.001	0.0008	0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	< 0.001	< 0.001	< 0.001	0.00	<0.001
Chloride	mg/l	201.2	49.1	60.5	99.8	94.2	56.9	71.5	109	143	1.8	99.8	110.0	86
Chromium, Total	mg/l	<0.001	0.0033	0.0030	0.0022	0.0026	<0.001	0.0015	<0.001	0.0051	0.0038	< 0.01	0.0023	<0.01
Specific Conductance	umho/cm	990	1034	1195	771	1554	620	683	735	307	156	756	834	714
Copper, Total	mg/l	<0.001	<0.001	0.001	0.0015	0.0019	0.0018	0.0012	<0.001	0.0021	0.0032	< 0.005	0.0034	<0.005
Iron, Total	mg/l	0.068	0.092	0.182	0.06	0.0439	0.107	0.109	0.083	0.155	0.13	0.05	0.1	0.14
Lead, Total	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	< 0.005	< .005	< 0.001	< 0.005	<0.001
Manganese, Total	mg/l	0.0160	0.022	0.034	0.0286	0.0104	0.0312	0.0312	0.0216	0.0419	0.029	0.0200	0.0245	0.02
Mercury, Total	mg/l	0.002	<0.0010	<0.0010	0.0053	<0.001	<0.001	<0.0005	<0.001	0.0022	< 0.0004	<0.2	0.0011	<0.2
Molybdenum, Total	mg/l	<0.002	0.005	0.004	NA	<0.002	<0.002	<0.0025	0.0023	0.0033	< 0.002	< 0.1	< 0.0025	<0.1
Nickel, Total	mg/l	<0.001	<0.001	<0.001	<0.001	<0.0015	<0.0015	<0.002	<0.0015	< 0.0015	0.0018	< 0.01	0.0017	<0.01
pH	S.U.	7.2	6.5	8.0	7.3	7.87	8.21	7.62	7.73	7.89	7.39	8.2	7.85	8.5
Selenium, Total	mg/l	<0.0075	0.007	<0.0075	<0.007	<0.0075	0.0085	<0.007	<0.0075	0.008	< 0.007	< 0.005	<0.007	<0.005
Silver, Total	mg/l	<0.001	<0.001	<0.001	<0.001	<0.0015	<0.0015	<0.0015	<0.001	< 0.001	< 0.001	<0.01	< 0.001	<0.01
Sulfate	mg/l	59.9	55.2	62.2	56.8	67.5	58.5	57.7	63.7	43.2	32.0	68	48.0	58
Zinc, Total	mg/l	0.005	0.006	<0.001	0.0097	0.0036	0.0069	0.0054	0.0051	0.0135	0.0164	< 0.005	0.015	<0.005

NOTES: 1. Not Analyzed

TABLE 49
CONSTRUCTION SAMPLING
LOCATION SP-2
ROSTRAVER AIRPORT

Parameter	Units	Sample Date[1]												
		01/23/01	04/27/01	07/27/01	11/01/2001	02/02/02	05/01/02	08/25/02	12/18/2002	03/07/03	06/17/03	10/08/03	12/10/03	03/29/04
Aluminum, Total	mg/l	0.007	0.029	0.104	0.0421	<0.0025	0.0707	0.0667	<0.003	0.0808	0.0695	< 0.1	0.081	<0.1
Antimony, Total	mg/l	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	< 0.006	< 0.006	< 0.005	< 0.006	<0.005
Arsenic, Total	mg/l	<0.010	<0.0075	<0.0075	<0.0075	<0.0075	<0.007	<0.0075	<0.0075	< 0.008	< 0.007	< 0.005	< 0.0075	<0.005
Barium, Total	mg/l	0.098	0.093	0.102	0.0898	0.0896	0.0823	0.0968	0.124	0.0892	0.106	0.1200	0.101	0.09
Boron, Total	mg/l	0.028	0.019	0.057	0.0773	0.0167	0.0331	0.118	0.0154	0.0082	0.0455	0.050	0.0551	0.07
Cadmium, Total	mg/l	<0.001	0.0005	0.0006	<0.0005	0.00119	<0.0005	<0.0005	<0.0005	< 0.001	< 0.001	< 0.001	0.00084	<0.001
Chloride	mg/l	141.0	41.4	48.3	60.06	67.7	52.5	45.9	96.2	99.2	40.3	74.2	93.7	74.5
Chromium, Total	mg/l	<0.001	0.0028	0.0028	0.0025	0.0024	<0.001	<0.001	<0.001	0.0055	0.0037	< 0.01	0.0024	<0.01
Specific Conductance	umho/cm	820	794	1169	694	1396	610	678	718	273	190	693	766	666
Copper, Total	mg/l	<0.001	<0.001	<0.001	0.002	<0.001	0.001	<0.001	<0.001	0.0029	0.0021	< 0.005	0.0024	<0.005
Iron, Total	mg/l	0.017	0.025	0.078	0.0309	0.0283	0.0538	0.147	0.0508	0.0739	0.0922	0.080	0.0597	0.1
Lead, Total	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	< 0.005	< 0.005	< 0.001	< 0.005	<0.001
Manganese, Total	mg/l	<0.0001	0.011	0.017	0.005	0.0034	0.0144	0.0276	0.0112	0.0165	0.016	0.01	0.00727	<0.01
Mercury, Total	mg/l	<0.001	<0.0010	<0.0010	0.0118	<0.001	<0.001	<0.0005	0.0012	0.0036	< 0.0004	<0.2	0.0009	<0.2
Molybdenum, Total	mg/l	<0.002	0.004	0.004	NA	0.0021	<0.002	<0.0025	0.0026	0.0038	< .002	< 0.1	< 0.0025	<0.1
Nickel, Total	mg/l	<0.001	<0.001	<0.001	<0.001	<0.0015	<0.0015	<0.002	<0.0015	< 0.0015	0.0021	<0.01	0.0016	<0.01
pH	S.U.	7.7	6.5	8.2	7.98	8.24	8.43	8.1	7.74	7.85	7.56	8.2	8.12	
Selenium, Total	mg/l	<0.0075	<0.007	<0.0075	0.0082	<0.0075	<0.007	<0.007	<0.0075	0.01	< 0.007	< 0.005	< 0.007	<0.005
Silver, Total	mg/l	<0.001	<0.001	<0.001	<0.001	<0.0015	<0.0015	<0.0015	<0.001	< 0.001	< 0.001	< 0.01	<0.001	<0.01
Sulfate	mg/l	61.8	63.8	71.3	75.5	69.1	60.6	91.7	71.1	48.3	43.9	73	55.7	61
Zinc, Total	mg/l	0.002	0.013	0.153	0.0033	<0.001	0.0028	0.0048	0.0034	0.0066	0.0086	0.0050	0.0117	<0.005

NOTES: 1. Not Analyzed

TABLE 50
CONSTRUCTION SAMPLING
LOCATION SP-3
ROSTRAVER AIRPORT

Parameter	Units	Sample Date[1]												
		01/23/01	04/27/01	07/27/01	11/01/2001	02/02/02	05/01/02	08/25/02	12/18/2002	03/07/03	06/17/03	10/08/03	12/10/03	03/29/04
Aluminum, Total	mg/l	<0.002	0.046	0.117	0.0289	0.0108	0.0636	0.107	<0.003	0.067	0.0615	< 0.1	0.132	<0.1
Antimony, Total	mg/l	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	< 0.006	< 0.006	< 0.005	< 0.006	<0.005
Arsenic, Total	mg/l	<0.010	<0.0075	<0.0075	<0.0075	<0.0075	<0.007	<0.0075	<0.0075	< 0.008	< 0.007	< 0.005	< 0.0075	<0.005
Barium, Total	mg/l	0.095	0.088	0.100	0.0882	0.0792	0.0759	0.0973	0.11	0.082	0.0911	0.100	0.0914	0.08
Boron, Total	mg/l	0.067	0.017	0.078	0.0651	0.0442	0.0549	0.103	0.0329	0.0214	0.0612	0.020	0.0782	0.08
Cadmium, Total	mg/l	<0.001	0.0006	0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	<0.001
Chloride	mg/l	197.9	40.2	109.5	68.7	107.5	45.7	46.2	82.1	107	45.1	76.5	90.4	73.7
Chromium, Total	mg/l	<0.001	0.0027	0.0028	0.003	<0.001	<0.001	<0.001	<0.001	0.0051	0.0029	< 0.01	0.0277	<0.01
Specific Conductance	umho/cm	980	979	1319	729	1364	590	687	662	273	216	727	765	680
Copper, Total	mg/l	<0.001	<0.001	0.001	0.0018	<0.001	0.0014	0.0011	<0.001	0.0018	0.0015	< 0.005	0.0049	<0.005
Iron, Total	mg/l	0.035	0.032	0.077	0.031	0.0618	0.052	0.175	0.0483	0.0652	0.0652	0.08	0.101	0.1
Lead, Total	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	< 0.005	<0.005	< 0.001	< 0.005	<0.001
Manganese, Total	mg/l	0.0020	0.008	0.012	0.0044	0.0051	0.0143	0.0298	0.0085	0.0144	0.0105	< 0.01	0.00836	<0.01
Mercury, Total	mg/l	<0.001	<0.0010	<0.0010	0.0077	<0.001	<0.001	<0.0005	0.0012	0.0037	< 0.0004	<0.2	0.0008	<0.2
Molybdenum, Total	mg/l	<0.002	0.005	0.004	NA	<0.002	<0.002	<0.0025	0.0022	0.0034	0.0027	< 0.1	0.004	<0.1
Nickel, Total	mg/l	<0.001	<0.001	<0.001	<0.001	<0.0015	<0.0015	<0.002	0.0017	< 0.0015	< 0.0015	< 0.01	0.0163	<0.01
pH	S.U.	7.1	6.5	7.1	7.99	7.9	8.49	8.21	7.75	7.87	8.07	8.4	8.25	
Selenium, Total	mg/l	<0.0075	0.009	<0.0075	<0.007	<0.0075	<0.007	<0.007	<0.0075	0.0112	< 0.007	<0.025	< 0.007	<0.005
Silver, Total	mg/l	<0.001	<0.001	<0.001	<0.001	<0.0015	<0.0015	<0.0015	<0.001	< 0.001	< 0.001	< 0.01	<0.001	<0.01
Sulfate	mg/l	66.2	60.2	72.8	68.4	76.9	63.9	87.6	74.3	53.4	50.4	81	57.8	65
Zinc, Total	mg/l	0.004	0.004	<0.001	0.0037	<0.001	0.0035	0.0058	0.0066	0.0061	0.0073	0.0080	0.0136	<0.005

NOTES: 1. Not analyzed due to lack of sample volume

Table 51

CONSTRUCTION SAMPLING
LOCATION SP-4
ROSTRAVER AIRPORT

Parameter	Units	Sample Date[1,2]												
		01/23/01	04/27/01	07/27/01	11/1/2001	02/02/02	05/01/02	08/25/02	12/18/2002	03/07/03	06/17/03	10/08/03	12/10/03	03/29/04
Aluminum, Total	mg/l	0.086	0.060	0.101	0.022	0.013	0.0753	<0.0025	<0.003	0.0768	0.0032	< 0.1	2.35	<0.1
Antimony, Total	mg/l	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	< 0.006	< 0.006	< 0.005	< 0.006	<0.005
Arsenic, Total	mg/l	<0.010	<0.0075	<0.0075	<0.0075	<0.0075	<0.007	<0.0075	<0.0075	< 0.008	< 0.007	< 0.005	< 0.0075	<0.005
Barium, Total	mg/l	0.084	0.070	0.084	0.0759	0.0491	0.0553	0.076	0.0849	0.0653	0.0168	0.090	0.0913	0.07
Boron, Total	mg/l	0.046	0.021	0.086	0.0812	0.0266	0.0447	0.0678	0.0205	0.0095	0.0302	0.0600	0.0672	0.09
Cadmium, Total	mg/l	<0.001	0.0006	0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	< 0.001	< 0.001	< 0.001	0.00057	<0.001
Chloride	mg/l	333.1	69.3	96.6	128.8	122	72.7	112.5	84.4	139	45.7	148	150	109
Chromium, Total	mg/l	<0.001	0.0026	0.0046	0.0023	<0.001	<0.001	<0.001	<0.001	0.0049	0.0019	< 0.01	0.0046	<0.01
Specific Conductance	umho/cm	1500	1098	1450	924	1463	620	885	614	314	215	941	864	702
Copper, Total	mg/l	<0.001	0.002	0.002	0.0014	0.0044	0.0016	<0.001	<0.001	0.0026	< 0.001	< 0.005	0.0059	<0.005
Iron, Total	mg/l	0.149	0.071	0.081	0.0232	0.0667	0.0767	0.0032	0.0757	0.0963	0.0056	0.10	2.69	0.13
Lead, Total	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	< 0.005	< 0.005	0.007	< 0.005	<0.001
Manganese, Total	mg/l	0.0310	0.009	0.012	0.0049	0.0089	0.0216	<0.0005	0.032	0.0569	0.0012	0.01	0.165	0.02
Mercury, Total	mg/l	0.012	<0.0010	<0.0010	0.004	<0.001	<0.001	<0.0005	0.0017	0.0025	< 0.0004	<0.2	0.0074	<0.2
Molybdenum, Total	mg/l	<0.002	0.004	0.004	NA	<0.002	<0.002	<0.0025	<0.002	0.0031	0.0029	< 0.1	< 0.0025	<0.1
Nickel, Total	mg/l	<0.001	<0.001	0.001	<0.001	<0.0015	<0.0015	<0.002	<0.0015	0.0018	< 0.0015	< 0.01	0.0053	<0.01
pH	S.U.	7.2	6.4	8.0	7.92	7.87	8.62	8.12	7.62	7.66	7.99	8.20	8.1	8.5
Selenium, Total	mg/l	<0.0075	0.009	<0.0075	<0.007	<0.0075	<0.007	0.008	<0.0075	0.0082	< 0.007	<0.025	< 0.007	<0.005
Silver, Total	mg/l	<0.001	<0.001	<0.001	<0.001	<0.0015	<0.0015	<0.0015	<0.001	< 0.001	< 0.001	< 0.01	< 0.001	<0.01
Sulfate	mg/l	77.0	65.3	89.0	91.8	62.3	72.5	100.6	73.4	52.8	30.2	95	64.4	69
Zinc, Total	mg/l	0.008	0.004	0.151	0.0043	0.0074	0.0034	0.0015	0.0049	0.0116	0.0012	< 0.005	0.0378	0.005

NOTES: 1. Not analyzed due to lack of sample volume resulting from re-analysis of other parameters.
2. Shaded value indicates an exceedence of Action Level, Primay MCL, or Secondary MCL.

Table 52

CONSTRUCITON SAMPLING
LOCATION SP-5
ROSTRAVER AIRPORT

Parameter	Units	Sample Date[1,2]												
		01/23/01	04/27/01	07/27/01	11/1/2001	02/02/02	05/01/02	08/25/02	12/18/2002	03/07/03	06/17/03	10/08/03	12/10/03	03/29/04
Aluminum, Total	mg/l	0.041	0.028	0.110	0.131	<0.0025	0.0562	0.0307	<0.003	0.134	0.074	< 0.1	0.184	<0.1
Antimony, Total	mg/l	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	< 0.006	< 0.006	< 0.005	< 0.006	<0.005
Arsenic, Total	mg/l	<0.010	<0.0075	<0.0075	<0.0075	<0.0075	<0.007	<0.0075	<0.0075	< 0.008	< 0.007	< 0.005	< 0.0075	<0.005
Barium, Total	mg/l	0.111	0.093	0.112	0.108	0.0931	0.0933	0.105	0.129	0.0926	0.0629	0.1	0.111	0.1
Boron, Total	mg/l	0.028	<0.012	0.056	0.0531	0.0129	0.0322	0.0455	0.0081	< 0.008	0.0231	0.03	0.0458	0.07
Cadmium, Total	mg/l	<0.001	0.0007	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	< 0.001	< 0.001	< 0.001	0.00052	<0.001
Chloride	mg/l	141.3	38.6	44.0	62.8	80.7	45.1	55	87.9	83.3	39	69.5	81.3	74
Chromium, Total	mg/l	<0.001	0.0028	0.0033	0.0061	<0.001	<0.001	<0.001	<0.001	0.0053	0.0018	< 0.01	0.0017	<0.01
Specific Conductance	umho/cm	910	1007	1130	697	1359	610	669	679	245	204	684	740	681
Copper, Total	mg/l	<0.001	<0.001	0.001	0.0102	<0.001	0.001	<0.001	<0.001	0.0073	0.0024	< 0.005	< 0.001	<0.005
Iron, Total	mg/l	0.079	0.038	0.128	1.632	0.0275	0.0506	0.0898	0.0513	0.143	0.067	0.15	0.149	0.11
Lead, Total	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	< 0.005	< 0.005	< 0.001	< 0.005	<0.001
Manganese, Total	mg/l	0.0310	0.018	0.022	0.0535	0.008	0.0184	0.0277	0.0159	0.0506	0.0191	0.02	0.0141	0.01
Mercury, Total	mg/l	<0.001	0.001	0.0016	0.0051	<0.001	<0.001	<0.0005	<0.001	0.0016	0.0005	<0.2	< 0.0005	<0.2
Molybdenum, Total	mg/l	<0.002	0.003	0.004	NA	<0.002	<0.002	<0.0025	0.0025	0.0041	< 0.002	< 0.1	< 0.0025	<0.1
Nickel, Total	mg/l	<0.001	<0.001	<0.001	0.0025	<0.0015	<0.0015	<0.002	<0.0015	<0.0015	< 0.0015	< 0.01	< 0.0015	<0.01
pH	S.U.	7.1	6.4	7.7	7.45	8.29	7.49	7.57	7.67	7.34	7.660	7.5	7.78	7.6
Selenium, Total	mg/l	<0.0075	0.009	<0.0075	<0.007	<0.0075	0.0091	<0.007	<0.0075	0.0092	< 0.007	< 0.025	0.0072	<0.005
Silver, Total	mg/l	<0.001	<0.001	<0.001	<0.001	<0.0015	<0.0015	<0.0015	<0.001	< 0.001	< 0.001	< 0.01	< 0.001	<0.01
Sulfate	mg/l	58.6	56.1	65.8	56.7	66.2	58.4	62.3	65	41.1	44.6	68	46.8	56
Zinc, Total	mg/l	0.005	0.016	<0.001	0.0156	<0.001	0.0031	0.0047	0.0024	0.0073	0.0063	0.009	0.0073	<0.005

NOTES: 1. Not analyzed due to lack of sample volume resulting from re-analysis of other parameters.
2. Shaded value indicates an exceedence of Action Level, Primay MCL, or Secondary MCL.

Table 53

CONSTRUCTION SAMPLING
LOCATION SP-6
ROSTRAVER AIRPORT

Parameter	Units	Sample Date[1,2]												
		01/23/01	04/27/01	07/27/01	11/1/2001	02/02/02	05/01/02	08/25/02	12/18/2002	03/07/03	06/17/03	10/08/03	12/10/03	03/29/04
Aluminum, Total	mg/l	<0.002	0.037	NS	NS	<0.0025	0.0642	NS	<0.003	0.0626	0.189	NS	3.45	<0.1
Antimony, Total	mg/l	<0.006	<0.006	NS	NS	<0.006	<0.006	NS	<0.006	< 0.006	< 0.006	NS	< 0.006	<0.005
Arsenic, Total	mg/l	<0.010	<0.0075	NS	NS	<0.0075	<0.007	NS	<0.0075	< 0.008	< 0.007	NS	< 0.0075	<0.005
Barium, Total	mg/l	0.100	0.081	NS	NS	0.0787	0.0828	NS	0.121	0.0702	0.107	NS	0.128	0.09
Boron, Total	mg/l	0.029	<0.012	NS	NS	0.0133	0.0303	NS	0.0097	< 0.008	0.0373	NS	0.0442	0.08
Cadmium, Total	mg/l	<0.001	0.0013	NS	NS		<0.0005	NS	<0.0005	< 0.001	< 0.001	NS	0.00065	<0.001
Chloride	mg/l	169.6	37.6	NS	NS	77.7	45.7	NS	80.4	90.6	36.3	NS	88.6	83.7
Chromium, Total	mg/l	<0.001	0.0031	NS	NS	<0.001	<0.001	NS	<0.001	0.005	0.0033	NS	0.0043	<0.01
Specific Conductance	umho/cm	870	924	NS	NS	1297	570	NS	639	240	202	NS	720	680
Copper, Total	mg/l	<0.001	0.003	NS	NS	<0.001	0.0019	NS	<0.001	0.0018	0.0025	NS	0.007	<0.005
Iron, Total	mg/l	0.045	0.067	NS	NS	0.014	0.0541	NS	0.0551	0.107	0.292	NS	4.3	0.07
Lead, Total	mg/l	<0.005	<0.005	NS	NS	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	NS	0.0085	<0.001
Manganese, Total	mg/l	0.0070	0.013	NS	NS	0.0021	0.0121	NS	0.0081	0.0887	0.111	NS	0.213	0.1
Mercury, Total	mg/l	<0.001	<0.0010	NS	NA	<0.001	<0.001	NA	<0.001	0.0036	0.0006	NS	0.0122	<0.2
Molybdenum, Total	mg/l	<0.002	0.004	NS	NS	<0.002	<0.002	NS	0.0025	0.0029	< 0.002	NS	< 0.0025	<0.1
Nickel, Total	mg/l	<0.001	0.001	NS	NS	<0.0015	<0.0015	NS	<0.0015	<0.0015	0.0018	NS	0.0047	<0.01
pH	S.U.	7.4	6.5	NS	NS	8.27	8.4	NS	7.78	7.79	7.43	NS	8.04	8.2
Selenium, Total	mg/l	<0.0075	0.008	NS	NS	<0.0075	0.0095	NS	<0.0075	< 0.0075	<0.007	NS	< 0.007	<0.005
Silver, Total	mg/l	<0.001	<0.001	NS	NS	<0.0015	<0.0015	NS	<0.001	< 0.001	<0.001	NS	< 0.001	<0.01
Sulfate	mg/l	61.8	56.2	NS	NS	68.0	58.5	NS	58.4	42.4	37.4	NS	50.4	56
Zinc, Total	mg/l	0.003	0.035	NS	NS	<0.001	0.0035	NS	0.0021	0.0046	0.0141	NS	0.039	<0.005

NOTES: 1. Not sampled due to lack of discharge from pond.
2. Shaded value indicates an exceedence of Action Level, Primay MCL, or Secondary MCL.

TABLE 54
ROSTRAVER SEDIMENTATION POND EFFLUENT SUMMARY - MONTHLY AVERAGE

Date	Flow (mgd)	Suspended Solids	Oil and Grease	Iron	Aluminum	Boron	Arsenic	Mercury	Selenium	Zinc	pH(s.u.)
Jan 2001	0.00432	12	3	0.51	0.24	0.12	<0.1	<0.0002	0.016	0.02	7.7
Feb 2001	0.0029	3	<1	0.075	<0.1	0.035	<0.1	<0.0002	<0.005	0.02	7.6
Mar 2001	0.0029	138	<1	0.87	1.04	0.51	<0.1	<0.0002	0.007	0.03	7.5
Apr 2001	0.00145	11	<1	0.3	0.21	0.62	<0.1	<0.0002	<0.005	0.01	7.7
May 2001	0.00145	9	<1	0.35	0.22	0.6	<0.1	<0.0002	<0.005	0.02	7.9
Jun 2001	0.00145	4	<1	0.16	0.12	0.47	<0.1	<0.0002	<0.005	0.01	8
Jul 2001	ND[1]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aug 2001	0.00145	2	<1	0.22	<0.1	0.52	<0.1	<0.0002	<0.005	0.05	7.4
Sep 2001	0.00145	5	<1	0.37	0.27	0.36	<0.1	<0.0002	<0.005	0.02	7.7
Oct 2001	0.00290	2	<1	0.09	<0.1	0.46	<0.1	<0.0002	<0.01	0.02	7.5
Nov 2001	0.0029	10	<1	0.38	0.28	0.24	<0.1	<0.0002	<0.005	0.01	7.8
Dec 2001	0.0029	34	<1	1.04	0.73	0.33	<0.1	<0.0002	<0.01	0.09	7.6
Jan 2002	0.0029	11	<1	0.44	0.2	0.39	<0.1	<0.0002	<0.01	0.03	7.9
Feb 2002	0.0029	2	<1	0.22	0.14	0.48	<0.1	<0.0002	<0.01	0.03	7.7
Mar 2002	0.0029	7	<1	0.35	0.24	0.29	<0.1	<0.0002	<0.01	0.02	7.6
Apr 2002	0.0043	6	<1	0.16	<0.1	0.73	<0.1	<0.0005	<0.01	0.02	7.4
May 2002	0.0022	30	2.5	1.03	0.61	0.46	<0.1	<0.0002	0.008	0.02	7.6
Jun 2002	0.006	14	<1	0.43	0.36	0.45	<0.1	<0.0002	<0.005	0.01	7.6
Jul 2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aug 2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sep 2002	Trace	6	<1	0.25	0.17	0.69	<0.1	<0.0002	<0.01	0.02	7.6
Oct 2002	Trace	5	<1	0.09	<0.1	0.53	<0.10	<0.0002	<0.005	0.01	7.9
Nov 2002	0.0074	58	<1	1.37	0.98	0.23	<0.10	<0.0002	<0.005	0.02	7.8
Dec 2002	0.007	18	<1	0.82	0.53	0.29	<0.10	<0.0002	<0.005	0.035	7.5
Jan 2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Feb 2003	0.0033	3	<1	0.04	<0.10	0.8	<0.10	<0.0002	<0.005	<0.01	7.9
Mar 2003	Trace	23	<1	0.79	0.53	0.94	<0.10	<0.0002	<0.005	0.03	7.8
Apr 2003	0.0008	9	<1	0.32	0.19	1.7	<0.10	<0.0002	<0.005	0.04	7.6
May 2003	0.00095	7.5	<1	0.125	0.095	1.06	<0.10	<0.0002	<0.015	0.02	7.7
Jun 2003	Trace	6	<1	0.25	<0.10	0.74	<0.10	<0.0002	<0.005	0.06	7.0
Jul 2003	Trace	17.33	<1	0.57	<0.38	0.75	<0.10	<0.0002	<0.012	0.06	7.6
Aug 2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sep 2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oct 2003	0.0018	16.5	<1	1.12	0.88	0.35	<0.10	<0.0002	<0.005	0.02	7.6
Nov 2003	0.0008	34	<1	1.065	0.7	0.45	<0.10	<0.0002	<0.025	0.025	7.75

Notes:
1. ND - No Discharge

TABLE 55
ROSTRAVER SEDIMENTATION POND EFFLUENT SUMMARY - MONTHLY MAXIMUM

P:\1997\97358\RCBRC FINAL REPORT TABLES\[data summary.xls]MONTHLY_MAX

Date	Flow (mgd)	Suspended Solids	Oil and Grease	Iron	Aluminum	Boron	Arsenic	Mercury	Selenium	Zinc	pH(s.u.)
Jan 2001	0.00432	12	3	0.51	0.24	0.12	<0.1	<0.0002	0.016	0.02	7.7
Feb 2001	0.00432	5	<1	0.11	<0.1	0.43	<0.1	<0.0002	<0.005	0.03	7.7
Mar 2001	0.00432	275	<1	1.68	1.97	0.58	<0.1	<0.0002	0.008	0.04	7.6
Apr 2001	0.0029	18	<1	0.3	0.25	0.64	<0.1	<0.0002	<0.005	0.02	7.8
May 2001	0.0029	9	<1	0.35	0.22	0.6	<0.1	<0.0002	<0.005	0.02	7.9
Jun 2001	0.0029	5	<1	0.17	0.13	0.49	<0.1	<0.0002	<0.005	0.01	8.1
Jul 2001	ND[1]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aug 2001	0.00145	2	<1	0.22	<0.1	0.52	<0.1	<0.0002	<0.005	0.05	7.4
Sep 2001	0.00145	5	<1	0.37	0.27	0.36	<0.1	<0.0002	<0.005	0.02	7.7
Oct 2001	0.00290	2	<1	0.09	<0.1	0.46	<0.1	<0.0002	<0.01	0.02	7.5
Nov 2001	0.0029	10	<1	0.38	0.28	0.24	<0.1	<0.0002	<0.005	0.01	7.8
Dec 2001	0.0043	52	<1	1.58	1.15	0.33	<0.1	<0.0002	<0.01	0.15	7.7
Jan 2002	0.0029	11	<1	0.44	0.2	0.39	<0.1	<0.0002	<0.01	0.03	7.9
Feb 2002	0.0043	4	<1	0.55	0.33	0.73	<0.1	<0.0002	<0.01	0.05	7.8
Mar 2002	0.0043	10	<1	0.53	0.38	0.33	<0.1	<0.0002	<0.01	0.02	7.6
Apr 2002	0.0043	6	<1	0.16	<0.1	0.73	<0.1	<0.0005	<0.01	0.02	7.4
May 2002	0.0043	52	4	1.97	1.12	0.6	<0.1	<0.0002	<0.01	0.02	7.6
Jun 2002	0.009	23	<1	0.68	0.62	0.58	<0.1	<0.0002	<0.005	0.01	7.6
Jul 2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aug 2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sep 2002	Trace	6	<1	0.25	0.17	0.69	<0.1	<0.0002	<0.01	0.02	7.6
Oct 2002	Trace	5	<1	0.09	<0.1	0.53	<0.10	<0.0002	<0.005	0.01	7.9
Nov 2002	0.0074	58	<1	1.37	0.98	0.23	<0.10	<0.0002	<0.005	0.02	7.8
Dec 2002	0.014	23	<1	0.94	0.59	0.45	<0.10	<0.0002	<0.005	0.05	7.5
Jan 2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Feb 2003	0.0033	3	<1	0.04	<0.10	0.8	<0.10	<0.0002	<0.005	<0.01	7.9
Mar 2003	Trace	44	<1	1.52	1	1.3	<0.10	<0.0002	<0.005	0.04	7.9
Apr 2003	0.0008	9	<1	0.32	0.19	1.7	<0.10	<0.0002	<0.005	0.04	7.6
May 2003	0.0015	10	<1	0.18	0.14	1.11	<0.10	<0.0002	<0.025	0.02	7.7
Jun 2003	Trace	6	<1	0.25	<0.10	0.74	<0.10	<0.0002	<0.005	0.06	7.0
Jul 2003	Trace	32	<1	0.81	<0.48	0.96	<0.10	<0.0002	<0.025	0.1	8.5
Aug 2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sep 2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oct 2003	0.0018	22	<1	1.24	0.94	0.38	<0.10	<0.0002	<0.005	0.02	7.8
Nov 2003	0.0015	58	<1	1.64	1.05	0.56	<0.10	<0.0002	<0.025	0.03	7.8

Notes:
1. ND - No Discharge

TABLE 56
SEDIMENTATION POND INFLUENT SUMMARY - TOE DRAIN
ROSTRAVER AIRPORT

Chemical Name	Unit	Permit Limits	TOE DRAIN SAMPLING PERIODS[1]																	
			12/11/00	01/29/01	03/14/01	03/28/01	04/13/01	04/26/01	06/06/01	07/27/01	11/01/01	02/06/02	05/01/02	06/25/02	12/19/02	03/07/03	06/17/03	10/06/03[2]	12/10/03[2]	03/29/04[2]
Aluminum, Total	mg/L	5	10.5	<0.1	319	<0.1	<0.1	0.072	0.0546	0.0551	0.0578	0.0228	0.0216	0.015	0.0648	0.0146	0.0339	<0.1	0.0972	<0.1
Antimony, Total	mg/L	0.15	<0.1	<0.005	<0.005	<0.006	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.005	<0.005
Arsenic, Total	mg/L	1.25	<0.1	<0.005	0.244	<0.0075	<0.005	<0.0075	<0.007	<0.0075	<0.0075	<0.0075	<0.007	<0.0075	<0.0075	<0.008	0.0096	<0.005	<0.0075	<0.005
Barium, Total	mg/L	50	0.14	0.17	3.67	0.0774	0.07	0.0801	0.0515	0.0388	0.0561	0.0508	0.052	0.0447	0.0991	0.0571	0.088	0.05	0.0487	0.05
Boron, Total	mg/L	14	<0.01	1.67	3.76	2.56	2.03	2.3	2.07	3.65	4.83	2.36	1.735	4.78	4.84	3.37	4.6	3.15	4.3	3.6
Cadmium, Total	mg/L	0.125	<0.005	0.002	0.002	0.0012	<0.001	0.00143	<0.0005	0.00183	0.00067	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.0019	<0.001	0.0011	<0.001
Chloride	mg/L	2500	3.54	126	251	154	145	143	0	203.6	248.5	98.4	166	200	334	294	464	610	555	708
Chromium, Total	mg/L	1.25	0.01	<0.01	0.5	0.0103	<0.01	0.0141	0.0211	0.0278	0.0017	0.0046	0.0014	0.0059	<0.001	0.0139	0.0094	<0.01	0.0046	<0.01
Copper, Total	mg/L	32.5	<0.01	<0.01	0.45	<0.001	<0.01	<0.001	<0.001	<0.001	0.0012	<0.001	<0.001	<0.001	0.006	<0.001	0.0047	0.012	<0.001	0.008
Iron, Total	mg/L	7.5	13.2	0.09	313	0.0678	0.21	0.246	0.446	0.289	0.598	0.166	0.0863	0.14	0.315	0.0413	0.06	0.05	0.007	0.02
Lead, Total	mg/L	1.25	<0.1	<0.001	0.011	<0.005	<0.001	<0.005	<0.005	<0.005	<0.005	0.0058	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	0.002
Manganese, Total	mg/L	25.2	0.24	1.29	5.43	3.54	1.97	6.01	9.23	13.9	3.865	0.272	0.474	0.28	0.127	0.119	0.522	0.1	0.126	0.25
Mercury, Total	ug/L	50	<0.2	<0.2	0.0004	0.0129	<0.2	<0.001	<0.001	<0.001	0.0028	<0.001	<0.001	<0.0005	0.0011	0.0032	0.0033	<0.0002	0.003	<0.2
Molybdenum, Total	mg/L	4.38	<0.1	<0.01	<0.1	0.105	<0.01	0.0619	0.0215	0.0088	NA	0.0075	0.0098	0.0048	0.0244	0.0157	0.0187	<0.1	0.0145	<0.1
Nickel, Total	mg/L	2.5	0.02	<0.01	0.35	0.0036	<0.01	0.0047	0.0048	0.0044	0.0029	0.0039	0.0076	0.0027	0.0099	0.0077	0.0202	<0.01	0.0113	<0.01
pH (field)	s.u.	None	NA	NA	7.8	6.6	6.7	6.5	6.9	7.1	7.9	7.24	6.87	6.88	7.94	7.88	6.9	NA	7.84	7.46
pH (lab)	s.u.	12.5	7.4	7.2	7.6	6.09	7.4	6.13	NA	7.61	7.82	7.67	7.03	7.39	7.48	7.37	7.26	6.9	7.79	6.9
Selenium, Total	mg/L	1	<0.1	<0.04	0.032	0.027	<0.01	0.0331	0.0109	0.0122	<0.007	<0.0075	0.0136	0.0101	<0.0075	0.0162	0.0189	<0.025	0.0145	<0.005
Silver, Total	mg/L	None	NA	NA	NA	NA	NA	NA	NA	0.0038	<0.001	0.0064	0.0034	0.0021	0.0023	0.0035	0.0036	<0.01	0.0026	<0.01
Specific Conductance (field)	umhos/cm	None	NA	NA	NA	2600	1620	2280	870	NA	802	1221	>1999	>1999	1999	3470	4350	NA	4490	3840
Specific Conductance (lab)	umhos/cm	None	NA	NA	NA	NA	NA	NA	NA	5.49	3.16	NA	2900	3010	3480	1070	1210	3720	4220	4410
Sulfate	mg/L	2500	32	991	1380	1636	1150	1493	NA	1840	1573	806	1642	1326	1489	1012	1003	1630	1423	1480
Temperature	deg F	None	NA	NA	43	41	45	46	46	NA	54	41	66	71	51	51	67	NA	55	62
Zinc, Total	mg/L	125	0.04	0.02	0.00086	0.061	0.04	0.0515	0.0176	0.0269	0.0307	0.0207	0.0089	0.0185	0.0269	0.011	0.0264	0.015	0.013	0.008

Notes:
1. NA - Not Analyzed
2. Microbac Lab Data

TABLE 57
SEDIMENTATION POND INFLUENT SUMMARY - SPRING DRAIN
ROSTRAVER AIRPORT

Chemical Name	Unit	Permit Limits	SPRING DRAIN SAMPLING PERIODS										
			5/9/2001	6/8/2001	7/27/2001	5/1/2002	8/25/2002	12/19/2002	3/7/2003	6/17/2003	09/15/2003 (1)	12/10/2003 (1)	03/29/2004 (1)
Aluminum, Total	mg/L		0.0338	0.0378	0.149	0.206	0.188	0.0704	<0.003	0.0191	<0.10	<0.10	<0.10
Antimony, Total	mg/L		<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	NA	NA	NA
Arsenic, Total	mg/L		0.0183	0.0157	0.0248	0.238	0.129	0.162	0.216	0.673	<0.10	<0.10	<0.005
Barium, Total	mg/L		0.13	0.0608	0.0549	0.0448	0.0445	0.0646	0.0458	0.0712	NA	NA	NA
Boron, Total	mg/L		3.15	1.12	6.41	5.58	5.99	6.03	5.17	5.49	4.47	3.66	4.75
Cadmium, Total	mg/L		<0.0005	<0.0005	<0.0003	<0.0005	<0.0005	<0.0005	<0.001	<0.001	NA	NA	NA
Chloride	mg/L		NA	NA	81.8	172	297	275	316	359	NA	NA	NA
Chromium, Total	mg/L		0.004	0.0033	0.0077	0.0015	0.0054	<0.001	0.0122	0.0159	NA	NA	NA
Copper, Total	mg/L		<0.001	<0.001	<0.001	0.001	<0.001	0.004	<0.001	0.0018	NA	NA	NA
Iron, Total	mg/L		0.0475	0.0247	0.0312	0.143	0.255	0.184	0.0164	0.421	0.22	0.02	<0.01
Lead, Total	mg/L		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
Manganese, Total	mg/L		0.874	0.103	1.43	0.449	1.17	0.2	0.582	7.62	NA	NA	NA
Mercury, Total	ug/L		0.537	<0.001	0.02	0.0078	0.0062	0.0243	0.032	0.011	<0.0002	<0.0002	<0.0002
Molybdenum, Total	mg/L		0.226	0.0421	0.133	0.0719	0.0323	0.0668	0.0532	0.0445	NA	NA	NA
Nickel, Total	mg/L		0.0013	<0.001	0.0029	<0.0015	<0.002	0.0025	0.0029	0.0054	NA	NA	NA
pH (field)	s.u.		NA	NA	NA	7.15	6.86	7.32	7.37	6.85	NA	NA	NA
pH (lab)	s.u.		NA	NA	7.62	7.75	7.5	7.25	7.3	7.33	7.5	7	7.2
Selenium, Total	mg/L		<0.0075	0.0083	0.0234	0.0143	0.0076	<0.0075	0.0164	0.0164	<0.025	<0.025	<0.005
Silver, Total	mg/L		NA	NA	0.0025	0.003	0.002	0.0018	0.0034	0.0016	NA	NA	NA
Specific Conductance (field)	umhos/cm		NA	NA	NA	>1999	>1999	1999	4030	4210	NA	NA	NA
Specific Conductance (lab)	umhos/cm		NA	NA	4.31	2900	3240	3430	1317	1240	NA	NA	NA
Sulfate	mg/L		NA	NA	1636	1654	1375	1526	1495	1212	NA	NA	NA
Temperature (F)	deg f		NA	NA	NA	66	68	48	50	70	NA	NA	NA
Zinc, Total	mg/L		0.0021	<0.001	0.0032	0.0051	0.0135	0.0048	0.007	0.0117	<0.01	<0.01	0.006

Notes:
(1) Microbac Lab Data
(2) NA - Not Analyzed

TABLE 58

SUMMARY OF FIELD DENSITY TEST RESULTS
BENEFICIAL USE LANDFILL
ROSTRAVER AIRPORT RUNWAY SAFETY AREA

DATE	TEST NO.	GUAGE WET DENSITY (PCF)	LAB WATER CONTENT (%)		CALCULATED DRY DENSITY (PCF)	STANDARD PROCTOR(1) MAX. DRY DENSITY (PCF)	STANDARD PROCTOR(1) RELATIVE COMPACT. (%)
05/11/2001	1	103.5	36.4		75.9	73.0	103.9
05/11/2001	2	102.0	40.4		72.7	73.0	99.5
05/11/2001	3	105.1	41.7		74.2	73.0	101.6
05/17/2001	1	96.1	35.9		70.7	73.0	96.9
05/17/2001	2	100.5	36.8		73.5	73.0	100.6
05/17/2001	3	106.8	39.2		76.7	73.0	105.1
05/17/2001	4	102.8	40.4		73.2	73.0	100.3
05/17/2001	5	103.5	44.3		71.7	73.0	98.3
06/27/2001	1	102.8	47.6		69.7	67.1	101.9
06/27/2001	2	103.3	41.3		73.1	73.0	100.1
06/27/2001	3	105.3	42.5		73.9	73.0	101.3
06/27/2001	4	104.0	45.6	(2)	71.4	67.1	104.4
06/27/2001	5	97.6	44.8		67.4	73.0	
06/27/2001	6	101.3	38.4		73.2	73.0	100.3
07/17/2001	1	103.0	44.8	(2)	71.1	73.0	97.4
07/17/2001	2	102.4	50.1	(2)	68.2	67.1	99.7
07/17/2001	3	102.5	49.2	(2)	68.7	67.1	100.4
07/24/2001	1	100.8	30.5	(2)	77.2	73.0	105.8
07/24/2001	2	98.4	41.8	(2)	69.4	73.0	
07/24/2001	3	90.0	43.6	(2)	62.7	73.0	
07/24/2001	4	100.5	49.5	(2)	67.2	67.1	100.2
08/03/2001	2	96.8	58.2	(2)	61.2	67.1	
08/03/2001	2a	99.6	57.2	(2)	63.4	67.1	
08/03/2001	3	98.0	51.7	(2)	64.6	67.1	96.3
08/03/2001	4	99.9	50.6		66.4	67.1	98.9
08/20/2001	1	97.6	52.0		64.2	67.1	95.7
08/20/2001	1a	99.8	52.0		65.7	67.1	97.9
08/20/2001	2	102.1	33.0		76.8	73.0	105.2
08/20/2001	4	91.8	58.8		57.8	67.1	
08/24/2001	1	92.4	39.0		66.5	73.0	
08/24/2001	2	94.3	37.3		68.7	73.0	
08/24/2001	3	94.3	38.8		67.9	73.0	
08/24/2001	3a	97.2	38.8		70.0	73.0	95.9
08/24/2001	4	89.7	38.3		64.9	73.0	
08/24/2001	4a	92.7	38.3		67.0	73.0	
08/24/2001	5	88.1	38.2		63.8	73.0	
08/24/2001	5a	88.5	38.2		64.0	73.0	
08/24/2001	6	92.7	38.7		66.9	73.0	
09/14/2001	1	97.4	39.3	(2)	69.9	73.0	95.8
09/14/2001	2	100.7	49.9		67.2	67.1	100.1
09/14/2001	4	102.3	46.8		69.7	67.1	103.9
09/14/2001	5	102.3	44.1		71.0	73.0	97.2
09/14/2001	6	96.1	54.9		62.0	67.1	

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TABLE 58

SUMMARY OF FIELD DENSITY TEST RESULTS
BENEFICIAL USE LANDFILL
ROSTRAVER AIRPORT RUNWAY SAFETY AREA

		GUAGE	LAB		CALCULATED	STANDARD PROCTOR(1)	
DATE	TEST NO.	WET DENSITY (PCF)	WATER CONTENT (%)		DRY DENSITY (PCF)	MAX. DRY DENSITY (PCF)	RELATIVE COMPACT. (%)
09/20/2001	1	103.0	49.5		68.9	67.1	102.7
09/20/2001	2	102.2	34.7		75.9	73.0	103.9
09/20/2001	4	101.0	54.1		65.5	67.1	97.7
09/20/2001	5	101.2	51.7		66.7	67.1	99.4
09/28/2001	1	94.9	67.6		56.6	67.1	
09/28/2001	2	95.7	69.2		56.6	67.1	
09/28/2001	3	99.9	56.8		63.7	67.1	95.0
09/28/2001	4	100.2	55.0		64.6	67.1	96.3
09/28/2001	5	97.5	63.8		59.5	67.1	
10/10/2001	1	101.2	53.2		66.0	67.1	98.4
10/10/2001	3	99.0	58.0		62.7	67.1	
10/10/2001	6	101.0	48.3		68.1	67.1	101.5
10/10/2001	7	102.5	45.0		70.7	67.1	105.3
10/10/2001	8	105.5	39.5		75.6	73.0	103.6
10/10/2001	9	101.1	43.4		70.5	73.0	96.6
10/19/2001	1	103.5	43.6	(2)	72.1	73.0	98.8
10/19/2001	4	102.8	47.9	(2)	69.5	67.1	103.6
10/19/2001	7	103.3	48.4		69.6	67.1	103.7
10/26/2001	1	101.7	37.4	(2)	74.0	73.0	101.4
10/26/2001	2	101.6	37.6	(2)	73.8	73.0	101.2
10/26/2001	3	102.7	45.6		70.6	67.1	105.1
10/26/2001	4	103.8	35.1	(2)	76.8	73.0	105.3
10/26/2001	5	104.9	35.5	(2)	77.4	73.0	106.0
10/26/2001	6	102.1	37.1	(2)	74.5	73.0	102.0
11/02/2001	1	103.2	46.7	(2)	70.4	67.1	104.8
11/02/2001	2	106.2	40.6	(2)	75.5	73.0	103.5
11/02/2001	4	101.1	49.7	(2)	67.5	67.1	100.7
11/02/2001	6	103.1	47.5	(2)	69.9	67.1	104.2
11/02/2001	7	106.7	37.4	(2)	77.6	73.0	106.4
11/09/2001	1	101.0	47.2	(2)	68.6	67.1	102.3
11/09/2001	4	98.7	54.9	(2)	63.7	67.1	95.0
11/09/2001	5	100.9	52.2	(2)	66.3	67.1	98.8
11/09/2001	6	100.6	50.6	(2)	66.8	67.1	99.5
12/06/2001	2	98.3	45.9	(2)	67.4	67.1	100.4
12/06/2001	3	103.9	46.6		70.9	67.1	105.6
12/06/2001	4	106.3	30.8	(2)	81.2	73.0	111.3
12/06/2001	6	96.6	66.6		58.0	67.1	
12/13/2001	1	92.8	42.0		65.3	73.0	
12/13/2001	2	98.2	47.9		66.4	67.1	98.9
12/13/2001	3	100.4	48.9		67.4	67.1	100.5
12/13/2001	5	97.2	45.6		66.8	67.1	99.5
12/13/2001	6	93.3	48.3		62.9	67.1	
12/27/2001	1	97.5	57.7	(2)	61.8	67.1	
12/27/2001	3	100.5	43.8		69.9	73.0	95.8
12/27/2001	4	101.8	47.7		68.9	67.1	102.7
01/14/2002	1	101.9	42.7		71.4	73.0	97.8
01/14/2002	2	98.1	46.1		67.2	67.1	100.1
01/14/2002	3	99.5	44.5		68.9	73.0	

TABLE 58

SUMMARY OF FIELD DENSITY TEST RESULTS
BENEFICIAL USE LANDFILL
ROSTRAVER AIRPORT RUNWAY SAFETY AREA

		GUAGE	LAB	CALCULATED	STANDARD PROCTOR(1)	
DATE	TEST NO.	WET DENSITY (PCF)	WATER CONTENT (%)	DRY DENSITY (PCF)	MAX. DRY DENSITY (PCF)	RELATIVE COMPACT. (%)
01/22/2002	1	100.7	34.7	74.8	73.0	102.4
01/22/2002	2	95.4	32.6	71.9	73.0	98.5
01/22/2002	3	96.7	33.2	72.6	73.0	99.4
01/22/2002	4	98.2	33.6	73.5	73.0	100.7
01/22/2002	5	100.4	34.5	74.6	73.0	102.2
03/06/2002	1	104.2	41.7	73.5	73.0	100.7
03/06/2002	2	101.7	37.3	74.1	73.0	101.5
03/06/2002	3	102.2	39.9	73.1	73.0	100.1
03/06/2002	4	100.2	40.7	71.2	73.0	97.5
03/06/2002	5	98.9	43.1	69.1	73.0	
03/06/2002	6	102.3	42.7	71.7	73.0	98.2
03/06/2002	7	103.2	42.6	72.4	73.0	99.1
03/06/2002	8	100.9	45.8	69.2	67.1	103.1
03/14/2002	1	100.5	46.5	68.6	67.1	102.2
03/14/2002	2	98.2	47.1	67.4	67.1	100.5
03/14/2002	3	99.8	43.9	69.4	73.0	
03/14/2002	4	105.0	39.4	75.3	73.0	103.2
03/14/2002	5	101.6	40.6	72.2	73.0	99.0
03/21/2002	1	99.3	56.0	63.6	68.4	
03/21/2002	2	104.0	42.6	73.0	73.0	99.9
03/21/2002	3	103.4	44.2	71.7	73.0	98.2
03/21/2002	4	102.4	47.9	69.3	67.1	103.2
03/21/2002	5	101.0	56.4	64.6	67.1	96.3
03/21/2002	6	97.7	55.9	62.7	67.1	
04/01/2002	1	98.1	48.8	65.9	67.1	98.2
04/01/2002	2	101.6	44.6	70.3	67.1	104.7
04/01/2002	3	99.2	47.9	67.1	67.1	99.9
04/01/2002	4	99.2	46.2	67.9	67.1	101.1
04/01/2002	5	101.6	50.1	67.7	67.1	100.9
04/01/2002	6	100.0	51.6	66.0	67.1	98.3
04/01/2002	7	98.2	50.3	65.3	67.1	97.4
04/01/2002	8	101.5	52.6	66.5	67.1	99.1
04/01/2002	9	99.7	48.3	67.2	67.1	100.2
04/02/2002	1	98.3	51.6	64.8	67.1	96.6
04/02/2002	2	97.7	46.7	66.6	67.1	99.3
04/02/2002	3	96.8	49.1	64.9	67.1	96.8
04/02/2002	4	102.0	48.3	68.8	67.1	102.5
04/04/2002	1	99.3	48.1	67.1	67.1	99.9
04/04/2002	2	99.9	47.0	68.0	67.1	101.3
04/04/2002	3	97.8	42.8	68.5	67.1	102.1
04/04/2002	4	104.6	45.6	71.9	67.1	107.1
04/04/2002	5	101.8	51.3	67.3	67.1	100.3
04/05/2002	1	101.2	47.0	68.9	67.1	102.6
04/05/2002	2	95.8	44.4	66.4	67.1	98.9
04/05/2002	3	96.0	48.0	64.9	67.1	96.7
04/05/2002	4	99.9	47.1	67.9	67.1	101.2
04/05/2002	5	101.2	48.1	68.3	67.1	101.8
04/05/2002	6	99.4	49.2	66.6	67.1	99.3

TABLE 58

SUMMARY OF FIELD DENSITY TEST RESULTS
BENEFICIAL USE LANDFILL
ROSTRAVER AIRPORT RUNWAY SAFETY AREA

		GUAGE	LAB	CALCULATED	STANDARD PROCTOR(1)	
DATE	TEST NO.	WET DENSITY (PCF)	WATER CONTENT (%)	DRY DENSITY (PCF)	MAX. DRY DENSITY (PCF)	RELATIVE COMPACT. (%)
04/09/2002	1	101.8	44.7	70.3	67.1	104.8
04/09/2002	2	96.3	40.8	68.4	67.1	101.9
04/09/2002	3	97.0	43.8	67.4	67.1	100.5
04/09/2002	4	93.3	49.8	62.3	67.1	
04/09/2002	5	94.0	44.9	64.9	67.1	96.7
04/09/2002	6	97.4	49.4	65.2	67.1	97.2
04/11/2002	1	95.7	45.5	65.8	67.1	98.0
04/11/2002	2	96.8	46.3	66.2	67.1	98.6
04/11/2002	3	88.2	43.5	61.5	67.1	
04/11/2002	4	89.3	42.4	62.7	67.1	
04/11/2002	5	96.0	40.6	68.3	67.1	101.8
04/11/2002	6	95.4	41.9	67.3	67.1	100.2
04/15/2002	1	97.2	49.0	65.3	67.1	97.3
04/15/2002	2	98.0	47.8	66.3	67.1	98.8
04/15/2002	3	100.3	48.1	67.7	67.1	101.0
04/15/2002	4	93.5	47.5	63.4	67.1	
04/15/2002	5	99.3	50.9	65.8	67.1	98.1
04/15/2002	6	97.4	42.8	68.2	67.1	101.7
04/16/2002	1	93.7	44.5	64.8	64.2	101.0
04/16/2002	2	93.8	46.1	64.2	64.2	100.0
04/16/2002	3	90.3	44.3	62.6	64.2	97.5
04/16/2002	4	89.8	47.2	61.0	64.2	95.0
04/16/2002	5	92.1	47.7	62.4	64.2	97.1
04/18/2002	1	99.1	N/A	N/A	64.2	N/A
04/18/2002	2	93.7	N/A	N/A	64.2	N/A
04/18/2002	3	90.7	N/A	N/A	64.2	N/A
04/18/2002	4	90.6	N/A	N/A	64.2	N/A
04/18/2002	5	94.3	N/A	N/A	64.2	N/A
04/18/2002	6	95.7	49.2	64.1	64.2	99.9
04/18/2002	7	98.6	45.4	67.8	64.2	105.6
04/18/2002	8	82.8	45.1	57.1	64.2	
04/18/2002	9	93.0	44.5	64.4	64.2	100.3
04/23/2002	1	99.3	46.9	67.6	64.2	96.3
04/23/2002	2	97.1	41.7	68.5	64.2	106.8
04/23/2002	3	93.8	41.0	66.5	64.2	103.6
04/23/2002	4	93.6	43.2	65.4	64.2	101.8
04/23/2002	5	93.6	41.4	66.2	64.2	103.1
04/26/2002	1	97.0	44.6	67.1	64.2	104.5
04/26/2002	2	97.9	38.3	70.8	64.2	110.3
04/26/2002	3	97.6	38.4	70.5	64.2	109.8
04/26/2002	4	99.6	35.3	73.8	64.2	114.9
04/26/2002	5	99.0	38.3	71.6	64.2	111.5
04/26/2002	6	102.5	48.1	69.2	64.2	107.8
04/30/2002	1	99.5	43.2	69.5	64.2	108.3
04/30/2002	2	92.3	41.1	65.4	64.2	101.9
04/30/2002	3	94.0	38.5	67.9	64.2	105.7
04/30/2002	4	101.4	42.9	70.9	64.2	110.5
04/30/2002	5	97.0	48.1	65.5	64.2	102.0
05/02/2002	1	99.2	39.7	71.0	64.2	110.6
05/02/2002	2	96.6	40.6	68.6	64.2	106.9
05/02/2002	3	100.8	39.3	72.4	64.2	112.8
05/02/2002	4	95.2	41.4	67.3	64.2	104.9

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SUMMARY OF FIELD DENSITY TEST RESULTS
BENEFICIAL USE LANDFILL
ROSTRAVER AIRPORT RUNWAY SAFETY AREA

		GUAGE	LAB	CALCULATED	STANDARD PROCTOR(1)	
DATE	TEST NO.	WET DENSITY (PCF)	WATER CONTENT (%)	DRY DENSITY (PCF)	MAX. DRY DENSITY (PCF)	RELATIVE COMPACT. (%)
05/02/2002	5	102.1	43.6	71.1	64.2	110.7
05/02/2002	6	98.9	42.6	69.3	64.2	108.0
05/07/2002	1	95.0	44.1	65.9	64.2	102.7
05/07/2002	2	93.5	42.9	65.4	64.2	101.9
05/07/2002	3	97.6	46.8	66.5	64.2	103.6
05/07/2002	4	93.3	43.7	64.9	64.2	101.1
05/07/2002	5	98.7	43.3	68.9	64.2	107.3
05/07/2002	6	97.0	46.0	66.5	64.2	103.5
05/09/2002	1	99.3	48.1	67.0	64.2	104.4
05/09/2002	2	102.4	41.2	72.5	64.2	113.0
05/09/2002	3	100.9	42.1	71.0	64.2	110.6
05/09/2002	4	102.5	46.1	70.1	64.2	109.3
05/09/2002	5	98.4	44.9	67.9	64.2	105.8
05/14/2002	1	98.4	50.7	65.3	64.2	101.7
05/14/2002	2	102.2	47.0	69.5	64.2	108.3
05/14/2002	3	96.6	47.7	65.4	64.2	101.9
05/14/2002	4	101.4	46.5	69.2	64.2	107.8
05/14/2002	5	101.5	48.0	68.6	64.2	106.8
05/14/2002	6	95.8	45.2	66.0	64.2	102.8
05/16/2002	1	106.7	41.5	75.4	64.2	117.5
05/16/2002	2	101.9	47.5	69.1	64.2	107.6
05/16/2002	3	94.1	44.6	65.1	64.2	101.4
05/16/2002	4	89.1	42.2	62.7	64.2	97.6
05/16/2002	5	99.0	42.6	69.4	64.2	108.2
05/16/2002	6	100.1	40.4	71.3	64.2	111.0
05/21/2002	1	103.1	44.0	71.6	64.2	111.5
05/21/2002	2	100.4	41.1	71.2	64.2	110.8
05/21/2002	3	106.2	38.3	76.8	64.2	119.6
05/21/2002	4	98.1	47.8	66.4	64.2	103.4
05/21/2002	5	101.8	43.2	71.1	64.2	110.7
05/23/2002	1	97.1	49.3	65.0	64.2	101.3
05/23/2002	2	98.7	40.2	70.4	64.2	109.7
05/23/2002	3	97.5	40.6	69.4	64.2	108.0
05/23/2002	4	96.2	48.6	64.7	64.2	100.8
05/23/2002	5	91.5	40.9	64.9	64.2	101.2
05/23/2002	6	89.1	47.7	60.3	64.2	[illegible]
05/28/2002	1	87.9	40.8	62.4	64.2	97.2
05/28/2002	2	95.1	42.3	66.9	64.2	104.1
05/28/2002	3	94.5	39.7	67.7	64.2	105.4
05/30/2002	1	96.4	41.2	68.3	64.2	106.3
05/30/2002	2	94.2	40.6	67.0	64.2	104.4
05/30/2002	3	98.6	42.0	69.4	64.2	108.2
05/30/2002	4	96.9	46.5	66.1	64.2	103.0
05/30/2002	5	101.6	41.8	71.6	64.2	111.6
05/30/2002	6	94.6	32.8	71.3	64.2	111.0
06/03/2002	1	91.1	40.7	64.8	64.2	100.9
06/03/2002	2	92.8	40.4	66.1	64.2	102.9
06/03/2002	3	90.8	51.4	60.0	64.2	[illegible]
06/03/2002	4	94.4	49.3	63.2	64.2	98.5
06/07/2002	1	100.7	47.5	68.3	64.2	106.3
06/07/2002	2	96.0	47.2	65.2	64.2	101.6
06/07/2002	3	98.5	44.5	68.2	64.2	106.2

TABLE 58

SUMMARY OF FIELD DENSITY TEST RESULTS
BENEFICIAL USE LANDFILL
ROSTRAVER AIRPORT RUNWAY SAFETY AREA

DATE	TEST NO.	GUAGE WET DENSITY (PCF)	LAB WATER CONTENT (%)	CALCULATED DRY DENSITY (PCF)	STANDARD PROCTOR(1) MAX. DRY DENSITY (PCF)	STANDARD PROCTOR(1) RELATIVE COMPACT. (%)
06/07/2002	4	101.0	44.6	69.9	64.2	108.8
06/07/2002	5	97.6	46.3	66.7	64.2	103.9
06/07/2002	6	96.0	47.3	65.2	64.2	101.5
06/11/2002	1	85.8	46.9	58.4	62.8	[illegible]
06/11/2002	2	83.9	44.5	58.0	62.8	[illegible]
06/11/2002	3	85.1	46.2	58.2	62.8	[illegible]
06/11/2002	4	97.7	47.8	66.1	62.8	105.2
06/11/2002	5	91.0	43.8	63.3	62.8	100.7
06/11/2002	6	80.1	46.4	54.7	62.8	[illegible]
06/11/2002	7	87.6	NA	NA	62.8	NA
06/11/2002	8	79.6	NA	NA	62.8	NA
06/11/2002	9	84.4	NA	NA	62.8	NA
06/18/2002	1	93.3	48.2	63.0	62.8	100.3
06/18/2002	2	92.3	42.6	64.7	62.8	103.1
06/18/2002	3	83.8	44.5	58.0	62.8	[illegible]
06/18/2002	4	94.3	44.9	65.1	62.8	103.6
06/18/2002	5	90.9	39.7	65.1	62.8	103.6
06/18/2002	6	98.7	50.4	65.6	62.8	104.5
06/20/2002	1	95.1	48.9	63.9	62.8	101.7
06/20/2002	2	96.6	46.4	66.0	62.8	105.0
06/20/2002	3	93.8	45.8	64.3	62.8	102.4
06/20/2002	4	95.1	48.4	64.1	62.8	102.1
06/25/2002	1	89.0	44.5	61.6	62.8	98.1
06/25/2002	2	95.9	45.0	66.1	62.8	105.3
06/25/2002	3	92.0	43.5	64.1	62.8	102.1
06/25/2002	4	93.1	50.2	62.0	62.8	98.7
06/25/2002	5	93.1	43.2	65.0	62.8	103.6
07/01/2002	1	94.3	41.8	66.5	62.8	105.9
07/01/2002	2	93.2	42.5	65.4	62.8	104.1
07/01/2002	3	100.4	38.9	72.3	62.8	115.1
07/01/2002	4	100.2	39.8	71.7	62.8	114.2
07/01/2002	5	96.1	44.8	66.4	62.8	105.7
07/01/2002	6	87.7	44.1	60.9	62.8	96.9
07/01/2002	7	89.6	46.2	61.3	62.8	97.6
07/01/2002	8	96.2	46.4	65.7	62.8	104.7
07/08/2002	1	96.3	51.8	63.4	62.8	101.0
07/08/2002	2	90.7	43.5	63.2	62.8	100.7
07/08/2002	3	92.0	30.5	70.5	62.8	112.3
07/08/2002	4	99.6	49.1	66.8	62.8	106.3
07/08/2002	5	97.1	45.7	66.7	62.8	106.2
07/08/2002	6	90.9	42.4	63.8	62.8	101.6
07/09/2002	1	101.5	39.6	72.7	70.1	103.7
07/09/2002	2	102.9	40.9	73.0	70.1	104.2
07/09/2002	3	104.5	40.3	74.5	70.1	106.3
07/09/2002	4	103.4	43.6	72.0	70.1	102.7
07/09/2002	5	104.2	42.0	73.4	70.1	104.7
07/11/2002	1	103.9	41.08	73.6	70.1	105.1
07/11/2002	2	104.1	39.42	74.7	70.1	106.5
07/11/2002	3	93.6	40.81	66.5	70.1	[illegible]
07/11/2002	4	99.9	41.39	70.7	70.1	100.8
07/11/2002	5	105.4	40.69	74.9	70.1	106.9
07/11/2002	6	104.4	41.62	73.7	70.1	105.2

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SUMMARY OF FIELD DENSITY TEST RESULTS
BENEFICIAL USE LANDFILL
ROSTRAVER AIRPORT RUNWAY SAFETY AREA

		GUAGE	LAB	CALCULATED	STANDARD PROCTOR(1)	
DATE	TEST NO.	WET DENSITY (PCF)	WATER CONTENT (%)	DRY DENSITY (PCF)	MAX. DRY DENSITY (PCF)	RELATIVE COMPACT. (%)
07/11/2002	7	101.6	41.39	71.9	70.1	102.5
07/12/2002	1	102.9	46.53	70.2	70.1	
07/12/2002	2	98.5	47.67	66.7	70.1	
07/12/2002	3	107.9	37.79	78.3	70.1	111.7
07/12/2002	4	101.3	41.29	71.7	70.1	102.3
07/12/2002	5	99.7	41.8	70.3	70.1	100.3
07/17/2002	1	104.5	43.7	72.7	76.0	95.7
07/17/2002	2	103.9	37.8	75.4	76.0	99.2
07/17/2002	3	105.5	40.7	75.0	76.0	98.7
07/17/2002	4	99.5	43.0	69.6	70.1	99.2
07/17/2002	5	94.6	48.1	63.9	70.1	
07/17/2002	6	100.0	45.5	68.7	70.1	98.1
07/19/2002	1	101.7	43.9	70.7	76.0	
07/19/2002	2	98.2	47.4	66.6	70.1	95.1
07/22/2002	1	96.5	47.14	65.6	70.1	
07/22/2002	2	102.7	45.99	70.3	70.1	100.4
07/22/2002	3	94.9	44.01	65.9	70.1	
07/22/2002	4	90.6	46.54	61.8	76.0	
07/22/2002	5	97.1	52.42	63.7	76.0	
07/22/2002	6	96.8	52.37	63.5	76.0	
07/25/2002	1	95.9	48.49	64.6	70.1	
07/25/2002	2	97.0	47.13	65.9	70.1	
07/25/2002	3	100.0	48.45	67.4	70.1	96.1
07/25/2002	4	102.0	43.95	70.9	76.0	
07/30/2002	1	99.4	30.36	76.3	68.5	111.3
07/30/2002	2	99.5	51.7	65.6	68.5	95.8
07/30/2002	3	93.6	53.61	60.9	68.5	
07/30/2002	4	98.9	46.45	67.5	68.5	98.6
07/30/2002	5	98.1	NA	NA		NA
07/30/2002	6	97.4	NA	NA		NA
08/02/2002	1	97.2	50.77	64.5	70.1	
08/02/2002	2	95.9	NA	NA		NA
08/02/2002	3	99.0	52.24	65.0	70.1	
08/02/2002	4	97.3	42.82	68.1	70.1	97.2
08/02/2002	5	100.1	NA	NA		NA
08/02/2002	6	101.8	44.0	70.7	70.1	100.8
08/06/2002	1	95.8	NA	NA		NA
08/06/2002	2	97.5	39.5	69.9	70.1	99.7
08/06/2002	3	97.7	NA	NA		NA
08/08/2002	1	101.1	47.1	68.8	68.5	100.4
08/08/2002	2	103.1	44.4	71.4	68.5	104.3
08/08/2002	3	101.8	43.4	71.0	68.5	103.6
08/08/2002	4	94.9	40.1	67.7	70.1	96.6
08/08/2002	5	93.5	42.7	65.5	70.1	
08/13/2002	1	102.4	41.68	72.3	64.2	112.6
08/13/2002	2	97.7	39.67	70.0	64.2	109.0
08/13/2002	3	99.6	47.82	67.4	64.2	105.0
08/13/2002	4	96.5	48.06	65.2	64.2	101.5
08/13/2002	5	96.0	49.18	64.4	64.2	100.2
08/13/2002	6	100.9	42.41	70.9	70.1	101.1
08/13/2002	7	95.9	43.11	67.0	70.1	

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SUMMARY OF FIELD DENSITY TEST RESULTS
BENEFICIAL USE LANDFILL
ROSTRAVER AIRPORT RUNWAY SAFETY AREA

		GUAGE	LAB	CALCULATED	STANDARD PROCTOR(1)	
DATE	TEST NO.	WET DENSITY (PCF)	WATER CONTENT (%)	DRY DENSITY (PCF)	MAX. DRY DENSITY (PCF)	RELATIVE COMPACT. (%)
08/16/2002	1	101.6	39.64	72.8	70.1	103.8
08/16/2002	2	101.9	39.54	73.0	70.1	104.2
08/16/2002	3	99.1	43.31	69.2	70.1	98.6
08/16/2002	4	96.2	43.9	66.9	70.1	
08/16/2002	5	101	48.28	68.1	68.5	99.4
08/16/2002	6	99.6	46.78	67.9	68.5	99.1
08/16/2002	7	91.2	44.23	63.2	68.5	
08/19/2002	1	84.4	42.75	59.1	68.5	
08/19/2002	2	97.7	48.53	65.8	68.5	96.0
08/19/2002	3	100.9	49.07	67.7	68.5	98.8
08/19/2002	4	99.7	45.43	68.6	68.5	100.1
08/19/2002	5	100.1	47.79	67.7	68.5	98.9
08/19/2002	6	90.9	47.63	61.6	67.0	
08/19/2002	7	92.4	47.05	62.8	67.0	
08/19/2002	8	96.5	44.85	66.6	67.0	99.4
08/23/2002	1	95.4	42.3	67.1	67.0	100.1
08/23/2002	4	100.4	53.4	65.5	68.5	
08/23/2002	5	96.9	48.6	65.2	68.5	
08/23/2002	6	99.8	51.9	65.7	68.5	
08/23/2002	7	99.8	49.6	66.7	68.5	97.4
08/27/2002	1	99.7	43.0	69.7	67.0	104.1
08/27/2002	2	97.3	40.3	69.4	67.0	103.5
08/27/2002	3	98.3	41.5	69.5	67.0	103.7
08/27/2002	4	97.4	42.6	68.3	67	101.9
08/27/2002	5	99.2	47.8	67.1	68.5	98.0
08/27/2002	6	104.1	44.2	72.2	68.5	105.4
08/29/2002	1	99.6	53.1	65.1	68.5	
08/29/2002	2	101.7	51.6	67.1	68.5	98.0
08/29/2002	3	100.6	53.0	65.8	68.5	
08/29/2002	4	101.1	48.2	68.2	68.5	99.6
08/29/2002	5	104.2	42.8	73.0	67.0	108.9
08/29/2002	6	102.8	43.7	71.5	67.0	106.8
08/29/2002	7	103.2	44.1	71.6	67.0	106.9
08/29/2002	8	104.8	43.7	73.0	67.0	108.9
09/03/2002	1	103.3	45.28	71.1	67	106.1
09/03/2002	2	102.4	41.55	72.3	67	108.0
09/03/2002	3	102.5	32.91	77.1	68.5	112.6
09/03/2002	4	105.1	44.98	72.5	68.5	105.8
09/03/2002	5	97.1	42.61	68.1	67	101.6
09/03/2002	6	89	39.83	63.6	67	
09/03/2002	7	96.3	40.35	68.6	67	102.4
09/03/2002	8	94.8	42.91	66.3	67	99.0
09/05/2002	1	89.6	43.2	62.6	67	
09/05/2002	2	89.6	41.3	63.4	67	
09/05/2002	3	92.5	43.2	64.6	67	96.4
09/05/2002	4	103.5	41.0	73.4	67	109.6
09/05/2002	5	104.2	43.9	72.4	67	108.1
09/05/2002	6	94.5	42.1	66.5	67	99.3

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SUMMARY OF FIELD DENSITY TEST RESULTS
BENEFICIAL USE LANDFILL
ROSTRAVER AIRPORT RUNWAY SAFETY AREA

		GUAGE	LAB	CALCULATED	STANDARD PROCTOR(1)	
DATE	TEST NO.	WET DENSITY (PCF)	WATER CONTENT (%)	DRY DENSITY (PCF)	MAX. DRY DENSITY (PCF)	RELATIVE COMPACT. (%)
09/10/2002	1	100.1	56.3	64.1	68.5	
09/10/2002	2	99.8	52.5	65.5	68.5	95.6
09/10/2002	3	98.5	46.4	67.3	68.5	98.3
09/10/2002	4	100.8	43.2	70.4	68.5	102.8
09/10/2002	5	90.9	44.9	62.7	68.5	
09/10/2002	6	96.7	44.1	67.1	67.0	100.2
09/10/2002	7	95.9	42.7	67.2	67.0	100.3
09/10/2002	8	100.4	43.4	70.0	67.0	104.5
09/13/2002	1	102.8	46.48	70.2	68.5	102.5
09/13/2002	2	98.6	44.03	68.5	68.5	99.9
09/13/2002	3	100.9	43.1	70.5	68.5	102.9
09/13/2002	4	98.4	40.08	70.2	68.5	102.5
09/13/2002	5	101	50.81	67.0	68.5	97.8
09/13/2002	6	100.9	48.4	68.0	67	101.5
09/13/2002	7	83.1	45.34	57.2	67	
09/17/2002	1	99.4	49.69	66.4	67	99.1
09/17/2002	2	97.9	47.56	66.3	67	99.0
09/17/2002	3	90.8	48.7	61.1	67	
09/17/2002	4	100.1	47.63	67.8	68.5	99.0
09/17/2002	5	101.5	43.19	70.9	67	105.8
09/17/2002	6	98.5	47.05	67.0	67	100.0
09/19/2002	1	105.8	43.37	73.8	67	110.1
09/19/2002	2	103.1	44.45	71.4	67	106.5
09/19/2002	3	98.1	59.52	61.5	68.5	
09/19/2002	4	97.5	54.02	63.3	68.5	
09/19/2002	5	96.7	59.2	60.7	68.5	
09/19/2002	6	97.4	58.76	61.4	68.5	
09/19/2002	7	96.6	59.49	60.6	68.5	
09/25/2002	1	99.9	53.4	65.1	68.5	95.1
09/25/2002	2	97.4	50.1	64.9	68.5	
09/25/2002	3	101.3	50.6	67.3	68.5	98.2
09/25/2002	4	95.5	53.2	62.3	68.5	
09/25/2002	5	95.7	48.0	64.7	68.5	
09/25/2002	6	101.1	44.1	70.1	68.5	102.4
09/25/2002	7	103.0	39.6	73.8	67.0	110.1
09/30/2002	1	99.9	41.2	70.7	67.0	105.6
09/30/2002	2	96.9	45.3	66.7	67.0	99.5
09/30/2002	3	94.4	53.2	61.6	67.0	
09/30/2002	4	100.6	51.4	66.5	67.0	99.2
09/30/2002	5	101.9	49.6	68.1	67.0	101.7
09/30/2002	6	99.4	51.7	65.5	67.0	97.8
09/30/2002	7	95.2	48.4	64.2	67.0	95.8
10/02/2002	1	100.4	38.0	72.7	67.0	108.6
10/02/2002	2	98.4	41.8	69.4	67.0	103.6
10/02/2002	3	97.2	42.5	68.2	67.0	101.8
10/02/2002	4	103.8	45.1	71.5	67.0	106.7
10/02/2002	5	99.8	45.1	68.8	67.0	102.7
10/02/2002	6	103.8	47.0	70.6	67.0	105.4
10/02/2002	7	98.9	41.2	70.0	67.0	104.5

TABLE 58

SUMMARY OF FIELD DENSITY TEST RESULTS
BENEFICIAL USE LANDFILL
ROSTRAVER AIRPORT RUNWAY SAFETY AREA

		GUAGE	LAB	CALCULATED	STANDARD PROCTOR(1)	
DATE	TEST NO.	WET DENSITY (PCF)	WATER CONTENT (%)	DRY DENSITY (PCF)	MAX. DRY DENSITY (PCF)	RELATIVE COMPACT. (%)
10/4/2002	1	96.2	41.18	68.1	67	101.7
10/4/2002	2	97.5	37.45	70.9	67	105.9
10/4/2002	3	102.2	41.13	72.4	67	108.1
10/4/2002	4	103.4	41.74	73.0	67	108.9
10/4/2002	5	101.9	40.57	72.5	67	108.2
10/4/2002	6	99.8	48.52	67.2	68.5	98.1
10/4/2002	7	98.3	51.59	64.8	68.5	
10/08/2002	1	100.1	43.8	69.6	68.5	101.7
10/08/2002	2	100.5	44.4	69.6	68.5	101.6
10/08/2002	3	100.3	46.7	68.4	68.5	99.8
10/08/2002	4	93.9	46.2	64.2	68.5	
10/08/2002	5	94.6	43.7	65.8	68.5	96.1
10/08/2002	6	94.8	52.4	62.2	68.5	
10/08/2002	7	99.0	47.0	67.4	68.5	98.4
10/10/2002	1	97.2	53.01	63.5	68.5	
10/10/2002	2	94.8	47.08	64.5	68.5	
10/10/2002	3	99.9	41.44	70.6	68.5	103.1
10/10/2002	4	98.8	48.03	66.7	68.5	97.4
10/15/2002	1	91.7	44.8	63.3	67.0	
10/15/2002	2	96.2	45.5	66.1	67.0	98.7
10/15/2002	3	88.2	47.2	59.9	67.0	
10/15/2002	4	89.0	43.6	62.0	67.0	
10/15/2002	5	101.2	45.0	69.8	67.0	104.1
10/15/2002	6	97.4	46.1	66.7	67.0	99.5
10/15/2002	7	103.9	46.6	70.9	68.5	103.4
10/17/2002	1	102.8	47.9	69.5	67.0	103.7
10/17/2002	2	102.3	47.9	69.1	67.0	103.2
10/17/2002	3	100.0	45.5	68.7	67.0	102.6
10/17/2002	4	97.0	49.5	64.9	67.0	96.8
10/22/2002	1	101.3	50.5	67.3	68.5	98.2
10/22/2002	2	102.9	47.1	70.0	68.5	102.1
10/22/2002	3	98.7	43.6	68.8	68.5	100.4
10/22/2002	4	103.4	47.0	70.3	68.5	102.7
10/22/2002	5	106.3	40.9	75.4	68.5	110.1
10/22/2002	6	103.7	42.0	73.0	68.5	106.6
10/24/2002	1	99.0	53.1	64.7	68.5	
10/24/2002	2	98.6	45.8	67.6	68.5	98.7
10/24/2002	3	100.7	53.9	65.5	68.5	95.6
10/24/2002	4	101.0	50.3	67.2	68.5	98.1
10/24/2002	5	99.6	51.8	65.6	68.5	95.8
10/31/2002	1	102	na	na	68.5	na
10/31/2002	2	100.7	na	na	68.5	na
10/31/2002	3	1046	na	na	68.5	na
10/31/2002	4	102.2	47.3	69.4	67	103.6
10/31/2002	5	92.1	42.33	64.7	67	96.6
10/31/2002	6	98.4	41.64	69.5	67	103.7
10/31/2002	7	101.3	44.7	70.0	67	104.5

TABLE 58

SUMMARY OF FIELD DENSITY TEST RESULTS
BENEFICIAL USE LANDFILL
ROSTRAVER AIRPORT RUNWAY SAFETY AREA

		GUAGE	LAB	CALCULATED	STANDARD PROCTOR(1)	
DATE	TEST NO.	WET DENSITY (PCF)	WATER CONTENT (%)	DRY DENSITY (PCF)	MAX. DRY DENSITY (PCF)	RELATIVE COMPACT. (%)
11/04/2002	1	99.2	49.1	66.5	67.0	99.3
11/04/2002	2	99.5	48.9	66.8	67.0	99.7
11/04/2002	3	97.9	49.8	65.4	67.0	97.6
11/04/2002	4	98.4	45.7	67.5	67.0	100.8
11/04/2002	5	105.0	39.6	75.2	67.0	112.3
11/04/2002	6	101.7	42.1	71.6	67.0	106.8
11/07/2002	1	106.3	40.74	75.5	67	112.7
11/07/2002	2	101.1	48.83	67.9	67	101.4
11/07/2002	3	98	46.92	66.7	67	99.6
11/07/2002	4	103	42.11	72.5	67	108.2
11/07/2002	5	102.1	46.98	69.5	67	103.7
11/07/2002	6	100.3	42.72	70.3	67	104.9
11/11/2002	1	105.3	40.94	74.7	67	111.5
11/11/2002	2	102.5	40.83	72.8	67	108.6
11/11/2002	3	98.1	50.67	65.1	67	97.2
11/14/2002	1	96.6	46.72	65.8	67	98.3
11/14/2002	2	99.7	35.61	73.5	67	109.7
11/14/2002	3	105.7	46.66	72.1	67	107.6
11/14/2002	4	101	43.98	70.1	67	104.7
11/14/2002	5	104.8	41.78	73.9	67	110.3
11/14/2002	6	108.1	41.38	76.5	67	114.1
11/14/2002	7	108.2	46.77	73.7	67	110.0
11/20/2002	1	107.3	40.6	76.3	67	113.9
11/20/2002	2	103.3	44.4	71.5	67	106.8
11/20/2002	3	102.6	41.7	72.4	67	108.1
11/20/2002	4	105.3	43.7	73.3	67	109.4
11/20/2002	5	100.1	43.3	69.8	67	104.2
11/20/2002	6	104.2	48.7	70.1	67	104.6
11/20/2002	7	105.5	44.8	72.9	67	108.8
11/20/2002	8	107.1	40.7	76.1	67	113.6
11/26/2002	1	100.7	45.28	69.3	67	103.5
11/26/2002	2	101.8	43.47	71.0	67	105.9
11/26/2002	3	99	42.61	69.4	67	103.6
11/26/2002	4	99.1	41.01	70.3	67	104.9
11/26/2002	5	102.2	41.63	72.2	67	107.7
11/26/2002	6	105.6	39.85	75.5	67	112.7
12/04/2002	1	95.1	44.47	65.8	68.5	96.1
12/04/2002	2	93.5	42.56	65.6	68.5	95.7
12/04/2002	3	100.3	44.22	69.5	68.5	101.5
12/04/2002	4	101.2	40.07	72.2	67	107.8
12/04/2002	5	96.9	42.93	67.8	67	101.2
12/04/2002	6	103.3	45.75	70.9	67	105.8
12/06/2002	1	99.2	51.54	65.5	68.5	95.6
12/06/2002	2	97.1	51.73	64.0	68.5	[illegible]
12/06/2002	3	95.8	52.51	62.8	68.5	[illegible]
12/06/2002	4	99.7	54.1	64.7	68.5	[illegible]

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SUMMARY OF FIELD DENSITY TEST RESULTS
BENEFICIAL USE LANDFILL
ROSTRAVER AIRPORT RUNWAY SAFETY AREA

DATE	TEST NO.	GUAGE WET DENSITY (PCF)	LAB WATER CONTENT (%)	CALCULATED DRY DENSITY (PCF)	STANDARD PROCTOR(1) MAX. DRY DENSITY (PCF)	STANDARD PROCTOR(1) RELATIVE COMPACT. (%)
12/12/2002	1	103.1	39.38	74.0	68.5	108.0
12/12/2002	2	103.9	42.97	72.7	68.5	106.1
12/12/2002	3	101.8	48.35	68.6	68.5	100.2
12/12/2002	4	99.9	54.73	64.6	68.5	
12/16/2002	1	101.4	52.8	66.4	67	99.0
12/16/2002	2	96.9	50.0	64.6	67	
12/16/2002	3	101.4	47.8	68.6	67	102.4
12/16/2002	4	99.8	49.5	66.7	67	99.6
12/16/2002	5	101.4	49.2	68.0	67	101.5
12/20/2002	1	89.6	44.44	62.0	67	
12/20/2002	2	99.9	45.27	68.8	67	102.6
12/20/2002	3	94.0	42.98	65.7	67	98.1
12/20/2002	4	85.6	42.54	60.1	67	
12/23/2002	1	99.2	47.99	67.0	67	100.0
12/23/2002	2	98.3	43.41	68.5	67	102.3
12/23/2002	3	92.8	42.99	64.9	67	96.9
12/23/2002	4	97.4	41.49	68.8	67	102.7
12/23/2002	5	90.6	38.98	65.2	67	97.3
12/23/2002	6	91.0	39.95	65.0	67	97.0
12/27/2002	1	102.2	47.8	69.1	67	103.2
12/27/2002	2	97.6	48.5	65.7	67	98.1
12/27/2002	3	100.7	39.0	72.5	67	108.1
12/27/2002	4	90.2	42.8	63.2	68.5	
12/27/2002	5	94.8	50.8	62.9	68.5	
12/31/2002	1	99.8	47.7	67.6	68.5	98.6
12/31/2002	2	102.3	45.0	70.5	68.5	103.0
12/31/2002	3	95.1	41.0	67.4	68.5	98.5
12/31/2002	4	96.0	46.8	65.4	68.5	95.5
12/31/2002	5	94.5	44.8	65.3	68.5	95.3
12/31/2002	6	98.6	43.9	68.5	68.5	100.1
01/06/2002	1	96.2	50.43	64.0	68.5	
01/06/2002	2	98.4	46.97	67.0	68.5	97.7
01/06/2002	3	94.5	46.72	64.4	68.5	
01/06/2002	4	99.6	46.7	67.9	67.0	101.3
01/06/2002	5	99.7	46.65	68.0	67.0	101.5
01/06/2002	6	101.1	47.87	68.4	67.0	102.0
01/06/2002	7	96.9	47.58	65.7	67.0	98.0
01/08/2003	1	101.2	46.32	69.2	67	103.2
01/08/2003	2	103.5	46.34	70.7	67	105.6
01/08/2003	3	97.9	46.85	66.7	67	99.5
01/08/2003	4	100.6	46.5	68.7	67	102.5
01/08/2003	5	98.4	46.83	67.0	67	100.0
01/08/2003	6	101.3	45.83	69.5	67	103.7
01/15/2003	1	90.4	43.8	62.9	67	
01/15/2003	2	93.8	43.7	65.3	67	97.4
01/15/2003	3	98.4	43.2	68.7	67	102.6
01/15/2003	4	98.9	41.1	70.1	67	104.6
01/15/2003	5	102.7	40.1	73.3	67	109.4
01/15/2003	6	103.4	37.0	75.1	67	112.2

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SUMMARY OF FIELD DENSITY TEST RESULTS
BENEFICIAL USE LANDFILL
ROSTRAVER AIRPORT RUNWAY SAFETY AREA

DATE	TEST NO.	GUAGE WET DENSITY (PCF)	LAB WATER CONTENT (%)	CALCULATED DRY DENSITY (PCF)	STANDARD PROCTOR(1) MAX. DRY DENSITY (PCF)	STANDARD PROCTOR(1) RELATIVE COMPACT. (%)
01/29/2003	1	101.9	46.74	69.4	67	103.6
01/29/2003	2	96.1	48.93	64.5	67	96.3
01/29/2003	3	101.7	48.17	68.6	67	102.4
01/29/2003	4	100.7	51.226	66.6	67	99.4
02/05/2003	1	102.9	52.53	67.5	67	100.7
02/05/2003	2	104.8	49.88	69.9	67	104.4
02/05/2003	3	87.8	49.06	58.9	67	[illegible]
02/05/2003	4	98	49.2	65.7	67	98.0
02/05/2003	5	100.2	50.11	66.8	67	99.6
02/05/2003	6	100.8	50.69	66.9	67	99.8
02/11/2003	1	102.6	47.68	69.5	67	103.7
02/11/2003	2	102.4	40.15	73.1	67	109.1
02/11/2003	3	102.6	47.8	69.4	67	103.6
02/11/2003	4	103.2	45.09	71.1	67	106.2
02/11/2003	5	102.7	42.27	72.2	67	107.7
02/14/2003	1	99	43.36	69.1	67	103.1
02/14/2003	2	101.1	42.18	71.1	67	106.1
02/14/2003	3	102.3	41.06	72.5	67	108.2
02/14/2003	4	96.5	41.05	68.4	67	102.1
02/19/2003	1	96.1	44.19	66.6	67	99.5
02/19/2003	2	98.8	41.45	69.8	67	104.3
02/19/2003	3	103.4	44.34	71.6	67	106.9
02/19/2003	4	100.4	44.52	69.5	67	103.7
02/19/2003	5	95	44.73	65.6	67	98.0
02/19/2003	6	103.5	39.65	74.1	67	110.6
02/26/2003	1	89.4	44.4	61.9	67	[illegible]
02/26/2003	2	92.3	43.57	64.3	67	96.0
02/26/2003	3	93.7	42.93	65.6	67	97.8
02/26/2003	4	93.6	44.4	64.8	67	96.7
02/26/2003	5	96.1	45.12	66.2	67	98.8
03/04/2003	1	102.7	46.96	69.9	67	104.3
03/04/2003	2	98.7	48.14	66.6	67	99.4
03/04/2003	3	99	49.26	66.3	67	99.0
03/04/2003	4	95.8	50.81	63.5	67	[illegible]
03/04/2003	5	101.5	48.92	68.2	67	101.7
03/11/2003	1	91.3	49.78	61.0	67	[illegible]
03/11/2003	2	100	47.08	68.0	67	101.5
03/11/2003	3	98.9	48.93	66.4	67	99.1
03/11/2003	4	93.7	48.52	63.1	67	[illegible]
03/11/2003	5	94.9	46.94	64.6	67	96.4
03/14/2003	1	95	44.26	65.9	67	98.3
03/14/2003	2	97.7	48.63	65.7	67	98.1
03/14/2003	3	87.7	46.74	59.9	67	[illegible]
03/14/2003	4	97.2	43.21	67.9	67	101.3
03/14/2003	5	95.2	46.62	64.9	67	96.9

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SUMMARY OF FIELD DENSITY TEST RESULTS
BENEFICIAL USE LANDFILL
ROSTRAVER AIRPORT RUNWAY SAFETY AREA

DATE	TEST NO.	GUAGE WET DENSITY (PCF)	LAB WATER CONTENT (%)	CALCULATED DRY DENSITY (PCF)	STANDARD PROCTOR(1) MAX. DRY DENSITY (PCF)	STANDARD PROCTOR(1) RELATIVE COMPACT. (%)
03/20/2003	1	91.7	50.88	60.8	67	
03/20/2003	2	97.3	49.17	65.2	67	97.4
03/20/2003	3	88.9	36.87	65.0	67	97
03/26/2003	1	93.2	57.64	59.1	67	
03/26/2003	2	97.8	56.48	62.5	67	
03/26/2003	3	98.9	60.24	61.7	67	
03/26/2003	4	98.5	50.14	65.6	67	98
03/26/2003	5	92	61.05	57.1	67	
03/26/2003	6	95.1	57.48	60.4	67	
04/02/2003	1	95.5	67.08	57.2	67	
04/02/2003	2	95.4	71.01	55.8	67	
04/02/2003	3	95.5	67.85	56.9	67	
04/02/2003	4	95.6	67.65	57.0	67	
04/02/2003	5	97.1	64.12	59.2	67	
04/02/2003	6	95.6	64.74	58.0	67	
04/02/2003	7	96.2	60.72	59.9	67	
04/02/2003	8	97.4	59.41	61.1	67	
04/10/2002	1	96.5	64.7	58.6	67	
04/10/2002	2	93.8	67.5	56.0	67	
04/10/2002	3	95.5	68.3	56.8	67	
04/10/2002	4	96.3	65.6	58.1	67	
04/10/2002	5	99.4	59.6	62.3	67	
04/10/2002	6	97.8	60.5	60.9	67	
04/16/2002	1	92.6	55.8	59.4	67	
04/16/2002	2	100.8	55.0	65.0	67	97
04/16/2002	3	85.7	53.7	55.8	67	
04/16/2002	4	96.7	48.8	65.0	67	97
04/16/2002	5	96.2	53.5	62.7	67	
04/16/2002	6	93.3	56.5	59.6	67	
04/23/2003	1	93.0	45.5	63.9	64	100
04/23/2003	2	92.9	42.02	65.4	64	102
04/23/2003	3	97.7	58.66	61.6	64	96
04/23/2003	4	92.4	54.78	59.7	64	
04/30/2003	1	93.8	54.97	60.5	64	
04/30/2003	2	96	55.51	61.7	64	96
04/30/2003	3	95.2	49.54	63.7	64	99
04/30/2003	4	92.6	57.34	58.9	64	
04/30/2003	5	87.4	51.77	57.6	64	
05/07/2003	1	94.8	56.61	60.5	64	
05/07/2003	2	94.7	53.18	61.8	64	97
05/07/2003	3	96.7	45.39	66.5	64	104
05/07/2003	4	103.1	46.68	70.3	64	110
05/07/2003	5	100.7	52.4	66.1	64	103
05/07/2003	6	102.5	49.85	68.4	64	107
05/14/2003	1	89.2	54.43	57.8	64	
05/14/2003	2	90.3	51.34	59.7	64	
05/14/2003	3	94.8	49.31	63.5	64	99
05/14/2003	4	94.0	52.83	61.5	64	96

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SUMMARY OF FIELD DENSITY TEST RESULTS
BENEFICIAL USE LANDFILL
ROSTRAVER AIRPORT RUNWAY SAFETY AREA

DATE	TEST NO.	GUAGE WET DENSITY (PCF)	LAB WATER CONTENT (%)	CALCULATED DRY DENSITY (PCF)	STANDARD PROCTOR(1) MAX. DRY DENSITY (PCF)	STANDARD PROCTOR(1) RELATIVE COMPACT. (%)
05/20/2003	1	96.1	48.72	64.6	64	101
05/20/2003	2	96.8	49.07	64.9	64	101
05/20/2003	3	95.1	45.36	65.4	64	102
05/20/2003	4	92	44.3	63.8	64	100
05/28/2003	1	98	38.0	71.0	64	111
05/28/2003	2	103	39.4	73.9	64	115
05/28/2003	3	96	45.0	66.2	64	103
05/28/2003	4	95.9	46.5	65.5	64	102
06/05/2003	1	94.6	51.73	62.3	64	97
06/05/2003	2	103	49.45	68.9	64	108
06/05/2003	3	91.7	50.82	60.8	64	95
06/05/2003	4	93.5	49.26	62.6	64	98
06/19/2003	1	103.8	43.73	72.2	64	113
06/19/2003	2	93.4	48.9	62.7	64	98
06/19/2003	3	101.9	47.86	68.9	64	108
06/19/2003	4	97.3	56.19	62.3	64	97
06/19/2003	5	99.8	48.02	67.4	64	105
07/02/2003	1	84.6	30.8	64.7	64	101
07/02/2003	2	90.9	46.6	62.0	64	97
07/02/2003	3	93.3	49.4	62.5	64	98
07/02/2003	4	90.1	46.7	61.4	64	96
07/02/2003	5	89.6	49.1	60.1	64	[illegible]
07/10/2003	1	85.9	51.95	56.5	64	[illegible]
07/10/2003	2	84.7	49.21	56.8	64	[illegible]
07/10/2003	3	97.3	48.69	65.4	64	102
07/10/2003	4	99.7	49.95	66.5	64	104
07/10/2003	5	92.2	51.65	60.8	64	95
07/10/2003	6	89.5	50.6	59.4	64	[illegible]
07/16/2003	1	92.0	48.8	61.8	64	97
07/16/2003	2	86.3	45.72	59.2	64	[illegible]
07/16/2003	3	88.5	47.85	59.9	64	[illegible]
07/16/2003	4	95.4	47.73	64.6	64	101
07/16/2003	5	94.6	47.66	64.1	64	100
07/16/2003	6	86.4	45.68	59.3	64	[illegible]
07/23/2003	1	91.4	47.1	62.1	64	97
07/23/2003	2	92.1	48.6	62.0	64	97
07/23/2003	3	85.6	49.1	57.4	64	[illegible]
07/23/2003	4	99.7	48.8	67.0	64	105
07/23/2003	5	99.8	45.7	68.5	64	107
07/23/2003	6	91.7	51.6	60.5	64	[illegible]
08/01/2003	1	90.3	54.7	58.4	64	[illegible]
08/01/2003	2	90.6	51.5	59.8	64	[illegible]
08/01/2003	3	93.3	51.0	61.8	64	97
08/01/2003	4	88.5	51.6	58.4	64	[illegible]
08/01/2003	5	89.3	51.0	59.2	64	[illegible]
08/07/2003	1	93.8	48.2	63.3	64	99
08/07/2003	2	91.4	43.8	63.6	64	99
08/07/2003	3	91.9	45.2	63.3	64	99
08/07/2003	4	97.8	40.9	69.4	64	108
08/07/2003	5	97.9	45.2	67.4	64	105
08/07/2003	6	102.9	47.2	69.9	64	109

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TABLE 58

SUMMARY OF FIELD DENSITY TEST RESULTS
BENEFICIAL USE LANDFILL
ROSTRAVER AIRPORT RUNWAY SAFETY AREA

DATE	TEST NO.	GUAGE WET DENSITY (PCF)	LAB WATER CONTENT (%)		CALCULATED DRY DENSITY (PCF)	STANDARD PROCTOR(1) MAX. DRY DENSITY (PCF)	STANDARD PROCTOR(1) RELATIVE COMPACT. (%)
08/18/2003	1	82.5	42.2		58.0	64	[redacted]
08/18/2003	2	86.4	43.2		60.3	64	[redacted]
08/18/2003	3	89.4	39.9		63.9	64	100
08/18/2003	4	81.5	41.0		57.8	64	[redacted]

Notes:

(1) Maximum Dry Density 73 pcf or 67.1 pcf used based on comparison of field data to standard proctor curves.

(2) Moisture content calculated by linear regression of gauge moisture to lab moisture 72 tests. Calculated moisture content = 1.57 (gauge %moist) - 1.03

(3) [redacted] Percent Compaction is less than 95%

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Table 59a
Summary of Apis Mellifera SampleTest Results
Rostraver Airport Runway Safety Extension Project

Home Composite Hives 4, 5, and 6	ROUND 1 07/16/2002	ROUND 2 09/06/2002	ROUND 3 11/11/2002	ROUND 4 04/24/2003	ROUND 5 06/10/2003	ROUND 6 08/05/2003	ROUND 7 10/16/2003
Arsenic	<1	<1	<1	<1	<1	<1	<1
Barium	1.38	<1	1.06	4.41	2.9	<1	2
Manganese	20.5	7.89	7.21	113	58.5	21.7	12.7
Selenium	<1	<1	<1	1.36	<1	<1	<1
Airport Composite Hives 1, 2, and 3							
Arsenic	2	<1	<1	<1	<1	<1	<1
Barium	1.88	2.28	1.36	1.73	2.4	3.06	1.66
Manganese	41.3	22.8	12.2	58.8	79	45.3	16.4
Selenium	<1	<1	<1	<1	<1	<1	<1

Note: Round 1 samples were obtained at the apiary prior to moving three of the hives to their airport location, therefore, Round 1 sampling is deemed representative of typical background constituent levels for analytical comparative analysis.

Table 59b
Summary of Pollen Composite Sample Test Results
Rostraver Airport Runway Safety Extension Project

Home Composite Hives 4, 5, and 6	ROUND 1 07/16/2002	ROUND 2 09/06/2002	ROUND 3 11/11/2002	ROUND 4 04/24/2003	ROUND 5 06/10/2003	ROUND 6 08/05/2003	ROUND 7 10/16/2003
Arsenic	<1	<1	<1	<1	<1	<1	<1
Barium	3.6	1.93	2.09	2.16	4.53	3.76	<1
Manganese	33.9	19.6	13.2	49.7	53.7	32.9	4.57
Selenium	<1	1.02	<1	<1	<1	<1	<1
Airport Composite Hives 1, 2, and 3							
Arsenic	<1	<1	<1	<1	<1	<1	<1
Barium	4.57	3.19	1.39	1.66	4.9	3.02	2.01
Manganese	57.4	22.6	5.16	59.1	66.3	22.9	9.36
Selenium	<1	1.12	<1	<1	<1	<1	<1

Note: Round 1 samples were obtained at the apiary prior to moving three of the hives to their airport location, therefore, Round 1 sampling is deemed representative of typical background constituent levels for analytical comparative analysis.

Table 59c
Summary of Wax Sample Test Results
Rostraver Airport Runway Safety Extension Project

Home Composite Hives 4, 5, and 6	ROUND 1 07/16/2002	ROUND 2 09/06/2002	ROUND 3 11/11/2002	ROUND 4 04/24/2003	ROUND 5 06/10/2003	ROUND 6 08/05/2003	ROUND 7 10/16/2003
Arsenic	1.19	<1	<1	<1	<1	<5	<2
Barium	<1	<1	<1	<1	1.58	<5	<1
Manganese	2.43	<1	2.46	23.6	3.07	<5	<1
Selenium	<1	<1	<1	<1	<1	<5	<2
Airport Composite Hives 1, 2, and 3							
Arsenic	<1	<1	<1	<1	<1	<2.5	<5
Barium	<1	<1	<1	<1	<1	<2.5	<1
Manganese	2.03	1.29	4.82	34.2	4.49	<2.5	<1
Selenium	<1	<1	<1	<1	<1	<2.5	<5

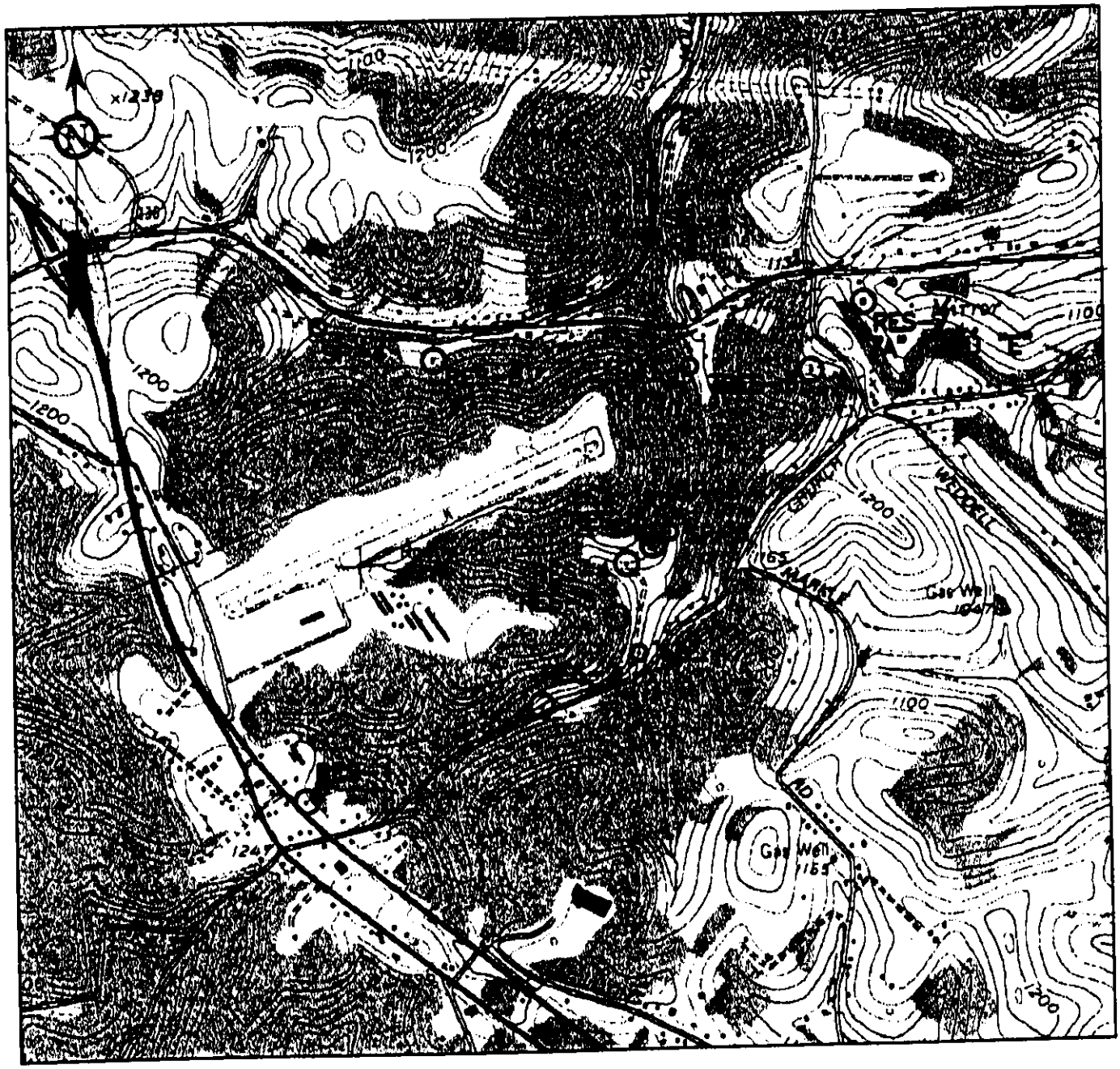
Note: Round 1 samples were obtained at the apiary prior to moving three of the hives to their airport location, therefore, Round 1 sampling is deemed representative of typical background constituent levels for analytical comparative analysis.

Table 59d
Summary of Honey Sample Test Results
Rostraver Airport Runway Safety Extension Project

Home Composite Hives 4, 5, and 6	ROUND 1 07/16/2002	ROUND 2 09/06/2002	ROUND 3 11/11/2002	ROUND 4 04/24/2003	ROUND 5 06/10/2003	ROUND 6 08/05/2003	ROUND 7 10/16/2003
Arsenic	<1	<1	<1	<1	<1	<1	<1
Barium	<1	<1	<1	<1	<1	<1	<1
Manganese	5.8	2.4	1.3	1.83	1.12	4.7	1.14
Selenium	1.25	<1	<1	<1	<1	<1	<1
Airport Composite Hives 1, 2, and 3							
Arsenic	<1	<1	<1	<1	<1	<1	<1
Barium	<1	<1	<1	<1	<1	<1	<1
Manganese	2.3	2.62	3.15	5.58	1.9	1.02	1.4
Selenium	1.11	1.03	<1	<1	1.04	<1	<1

Note: Round 1 samples were obtained at the apiary prior to moving three of the hives to their airport location, therefore, Round 1 sampling is deemed representative of typical background constituent levels for analytical comparative analysis.

DRAWINGS



SCALE 1"=1500'

1500 0 1500

REFERENCE:
U.S.G.S. 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE
DONORA, PENNSYLVANIA 1993

LEGEND

⊙	SP-4	SURFACE WATER SAMPLING POINT
○	RES-8	RESIDENT PRIVATE WATER SOURCE

gai CONSULTANTS, INC.

Engineers Scientists Planners
Environmental Specialists

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WATER QUALITY MONITORING LOCATIONS
ROSTRAVER AIRPORT
ROSTRAVER TOWNSHIP, PENNSYLVANIA

CCB SERVICES
MONROEVILLE, PENNSYLVANIA

DWN. N.J.P. CHKD. RHP

APPD. KCC DATE 5-8-01

SCALE: AS NOTED

DRAWING NUMBER
97-359-A004 REV

REFERENCE:
U.S.G.S. 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE
DONORA, PENNSYLVANIA 1993

SCALE 1"=1500'

1500 0 1500

LEGEND

◆ **DB-02** DUST FALL BUCKET

gai CONSULTANTS, INC.	AIR QUALITY MONITORING LOCATIONS ROSTRAVER AIRPORT ROSTRAVER TOWNSHIP, PENNSYLVANIA	DWN. N.J.P. CHKD. RHP APPD. KCC DATE 5/8/01
	CCB SERVICES MONROEVILLE, PENNSYLVANIA	SCALE: AS NOTED DRAWING NUMBER 97-359-A005 1 REV

1 REV DRAWN: RSE CHECKED: RHP APPROVED: KCC DATE: 5/8/01 DESCRIPTION: ADD LOCATION DB-10