

**COMPLETION REPORT
SOIL INSPECTION/SAMPLING PLAN
ATTACHMENT I – ROADS/PARKING LOTS**

**HITACHI GLOBAL STORAGE TECHNOLOGIES, INC.
REDEVELOPMENT PROPERTY
5600 COTTLE ROAD, SAN JOSE, CALIFORNIA**

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ACRONYMS

1,1-DCE	1,1-Dichloroethene
bgs	below ground surface
CalEPA	California Environmental Protection Agency
CARB	California Air Resources Board
CCR	Current Conditions Report
CHHSL	California Human Health Screening Level
CMS	Corrective Measures Study
COC	Chain-of-Custody
DJPA	David J. Powers & Associates
DTSC	Department of Toxic Substances Control
EIR	Environmental Impact Report
GPA	General Plan Amendment
GST	Global Storage Technologies
HHRA	Human Health Risk Assessment
IBM	International Business Machines
IDW	Investigation Derived Waste
LQG	Large Quantity Generator
ND	Non-Detect
NOA	Naturally-Occurring Asbestos
PD	Planned Development
PG&E	Pacific Gas and Electric
RBTC	Risk-Based Target Concentration
R&D	Research and Development
RCRA	Resource Conservation and Recovery Act
RG	Remedial Goal
RO/DI	Reverse Osmosis/Deionized Water
RWQCB-SF	Regional Water Quality Control Board, San Francisco Bay Region
SI/SP	Soil Inspection/Sampling Plan
STL	Severn Trent Laboratories
STLC	Solid Threshold Limit Concentration
TCA	1,1,1-Trichloroethane
TCE	Trichloroethene
US	United States
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound
kV	kilovolt
mg/L	milligram per liter
MW	megawatt

1.0 INTRODUCTION

ENVIRON International Corporation (ENVIRON), an environmental consulting firm, has prepared this Completion Report on behalf of Hitachi Global Storage Technologies, Inc. (Hitachi GST) for a portion of their property located at 5600 Cottle Road, San Jose, California (“the Site”). Hitachi GST is planning redevelopment activities for this portion of the Site. This Completion Report presents the results of the implementation of the Soil Inspection/Sampling Plan (SI/SP), Attachment I – Roads and Parking Lots (ENVIRON 2005a), and focuses on naturally-occurring asbestos (NOA) and metals in fill materials.

1.1 Site Overview

In June 2005, David J. Powers & Associates (DJPA) prepared an Environmental Impact Report (EIR) for the proposed General Plan Amendment (GPA) and Planned Development (PD) Zoning on the approximately 321-acre Hitachi GST Site. The City of San Jose Planning Commission certified the Final EIR on June 6, 2005 (City of San Jose 2005a, 2005b). The Site, which is currently owned by Hitachi GST, was formerly owned and operated by International Business Machines Corporation (IBM). The location of the Site is shown on Figures 1.1 and 1.2. The Site layout prior to redevelopment is shown on Figure 1.3.

Hitachi GST has moved its research and development (R&D) and administrative office operations to a different location in San Jose (3403 Yerba Buena Road). A portion of land has been rezoned and will be sold and redeveloped into a mixed residential, commercial, and recreational open space area. The area to be redeveloped is divided into five Parcels (Parcel O-1 through O-5), as shown on Figure 1.4. In addition, Hitachi GST will be transferring ownership of Endicott Boulevard/Tucson Way, which borders the Site to the north, to the City of San Jose. For the purposes of this report, Parcels O-1 through O-5 and Endicott Boulevard/Tucson Way are hereafter referred to as “the Redevelopment Property”. The Redevelopment Property is approximately 143 acres.

Hitachi GST plans to continue industrial operations (developing and manufacturing of computer storage devices) on the remaining portion of the Site, termed the Core Area. All manufacturing-related activities currently located on Parcels O-1 through O-5 have been moved to the Core Area under the redevelopment plan. The Core Area is also shown on Figure 1.4.

The Hitachi GST Site is a large quantity generator (LQG) of hazardous waste and also maintains a Resource, Conservation and Recovery Act (RCRA) Permit for on-site storage and treatment of hazardous waste. The RCRA Permit encompasses the full 321 acres of the Site. Hitachi GST is working with the California Environmental Protection Agency (CalEPA) Department of Toxic Substances Control (DTSC) to remove the Redevelopment Property from the RCRA Permit.

1.2 Environmental Investigation Objectives

As part of the EIR, ENVIRON prepared a screening human health risk assessment (Screening HHRA) to evaluate the potential impacts on human health for Parcels O-1 through O-5. The overall objective of the Screening HHRA was to identify potential areas within these parcels needing further investigation and/or mitigation prior to redevelopment. To accomplish this objective, the

following steps were completed in the Screening HHRA for Parcels O-1 through O-5: 1) determine the nature of historical operations and chemical use; 2) compile and collect data regarding groundwater, soil gas, and soil conditions; 3) develop risk-based target concentrations (RBTCs) for comparison to groundwater, soil gas and soil data; and 4) compare the RBTCs to the data collected from each parcel to determine areas requiring further investigation or mitigation measures. The RBTCs correspond to the level that would pose a *de minimis* health risk to future on-site populations.

The Screening HHRA was followed by a Draft Current Conditions Report (CCR) (ENVIRON 2005b), which addressed Parcels O-1 through O-5 and Endicott Boulevard/Tucson Way. The Draft CCR plus the letter response to comments received from DTSC on the report (DTSC 2006) constitute the final CCR.

Additional inspection/investigation needed to fill data gaps identified in the Screening HHRA/CCR were addressed in the SI/SP and its associated attachments. The areas to be inspected/investigated were divided into the following nine categories:

Attachment I	Roads/Parking Lots
Attachment II	Aboveground Storage Tanks Associated with Emergency Generators
Attachment III	Buried Concrete Trenches, Building 028J, and Former Waste Vaults 02-04
Attachment IV	Hydraulic Elevators
Attachment V	Former Petroleum Underground Storage Tanks
Attachment VI	Former Orchard Areas
Attachment VII	Endicott Boulevard/Tucson Way
Attachment VIII	Other Remaining Areas
Attachment IX	Soil Gas Evaluation for Parcels O-1 and O-2

This Completion Report presents the results of implementation of Attachment I – Roads/Parking Lots. The results of the SI/SP inspections/investigations will be used to determine if any mitigation/remediation measures are needed on the Redevelopment Property.

The SI/SP was followed by the Corrective Measures Study (CMS) Report (ENVIRON 2006a). The CMS was prepared to address the presence of potential contamination in soil that may be encountered during building demolition and/or earthwork activities within the Redevelopment Property and/or discovered during implementation of the SI/SP. The CMS Report included residential remedial goals (RGs) for soil which were either the minimum residential RBTC or background concentrations.

1.3 Report Organization

This Completion Report is divided into six sections as follows:

Section 1.0 – Introduction: provides an overview of the Site and Redevelopment Property and outlines the report organization.

Section 2.0 – Site Overview: presents an overview of the Site history and surrounding area and summarizes proposed land uses.

Section 3.0 – Areas Recommended for Further Evaluation: summarizes the areas recommended for further inspection/investigation as related to this Completion Report.

Section 4.0 – Soil Inspection/Sampling Plan Implementation: provides an overview of the sampling activities/methodology and describes in detail the inspections/investigations completed as part of this Completion Report.

Section 5.0 – Conclusions: summarizes inspections/investigations conducted and provides recommendations, if needed, for any follow-up actions.

Section 6.0 – References: includes all references cited in this report.

Supporting data are presented in the attachments to this report. Appendices A through F and H provide the laboratory analytical reports for the investigations discussed in this Completion Report. Appendix G contains a copy of the January 15, 2007 amendment to the NOA Management Plan, which describes the procedures for transportation and disposal of NOA-containing materials. Appendix I provides truck logs and Straight Bills of Lading for the off-haul of NOA-containing materials $\geq 5\%$ NOA.

2.0 SITE OVERVIEW

2.1 Site History and Operations

The Site is located at 5600 Cottle Road in San Jose, Santa Clara County, California, and is approximately 321 acres in size. Prior to 1955, the Site was agricultural land, primarily tree orchards, with associated residences. In 1955, IBM purchased the Site. The Storage Technology Division of IBM owned and operated the Site from 1955 through 2002. IBM designed, developed, and manufactured computer storage devices, including hard disk drives, read/write heads, and disk storage media at the Site. On or about January 1, 2003, Hitachi GST, a new company formed as a result of a strategic combination of IBM and Hitachi's storage technology businesses, bought the Site.

As shown on Figure 1.3, approximately 30 buildings were present on the Site prior to commencement of redevelopment activities in August 2006. On-site buildings were used for a range of activities, including manufacturing, testing, assembly, research, development, wastewater treatment, reverse osmosis/deionized water (RO/DI) production, utilities, chemical storage, other storage, security, offices, and cafeteria. Exterior areas of the Site primarily consisted of landscaped areas, orchards, sidewalks, water fountains, asphalt parking lots, and paved private roads. As discussed below, Hitachi GST plans to continue industrial operations (developing and manufacturing of computer storage devices) on the Core Area.

Two electrical substations located in the central-southeastern portion of the Site provide electricity to the Site. One 115-kilovolt (kV) substation, which contains a 50 megawatt (MW) electrical generator, is owned and operated by Hitachi GST; the other 115-kV substation is owned and operated by Pacific Gas & Electric (PG&E). Facility personnel reported that electricity for the Site is provided by PG&E, and Hitachi GST's generator is only operated for testing, when there is a major Site power outage or when PG&E requests that Hitachi GST provide electrical back up during peak demand periods. As discussed below, both electrical substations will remain.

In the early 1980s, chlorinated hydrocarbons were detected in soil beneath an on-site underground tank farm. Site-wide investigations showed that volatile organic compounds (VOCs), primarily Freon 113, trichloroethene (TCE), 1,1,1-trichloroethane (TCA) and 1,1-dichloroethene (1,1-DCE) were present in groundwater beneath and downgradient of the Site. Subsequently, the Site has undergone extensive remedial action including the remediation of solvent-impacted soil and extraction and treatment of on-site and off-site groundwater. Under an order from the Regional Water Quality Control Board, San Francisco Bay Region (RWQCB-SF) (Order No. R2-2002-0082 – Final Site Cleanup Requirements, as amended by Order No. R2-2007-0004), IBM is obligated to remediate the groundwater (RWQCB-SF 2002, 2007). According to Hitachi GST, on-site groundwater remedial actions are expected to continue for at least 10 years.

2.2 Surrounding Area

The Site is located in a mixed industrial, commercial and residential area near the intersections of Monterey Highway, Blossom Hill Road, and United States (US) Route 101, approximately seven miles southeast of downtown San Jose. Figure 1.2 shows the immediate Site vicinity, which includes the following:

- Cottle Road is located to the west, with a shopping center, other commercial buildings, a hospital/medical center, and a medium-high density residential area beyond.
- IBM Building 025 (formerly part of the Site), which is still owned by IBM, is located to the northwest. This parcel is the proposed location of a future Lowe's Store.
- Parcel O-6 (formerly part of the Site) is located to the northeast. Hitachi GST transferred ownership of Parcel O-6, which is approximately 11 acres, to the City of San Jose in November 2005. The planned land use for this parcel is a future City of San Jose Police Substation.
- Southern Pacific Railroad and Caltrain right-of-way, the Blossom Hill Caltrain Station, and Monterey Highway are located to the north, with medium to medium-low density residential, a commercial shopping area, and US Route 101 beyond.
- Highway 85 and the Cottle Road Light Rail Station are located to the south, with a hospital/medical center, library, and single-family residential area beyond.

2.3 Future Land Use

As previously discussed, Hitachi GST has moved its R&D and administrative office operations to a different location in San Jose (3403 Yerba Buena Road). In turn, most of the R&D and administrative office buildings at the Site (Buildings 010, 012, 018, 026, 028, 028J, and 051) have been demolished. Two buildings, Buildings 009 (office) and 011 (cafeteria), on the Redevelopment Property are considered historically significant and will remain intact.

The Redevelopment Property, which covers approximately 143 acres, has been divided into five "outer" parcels (Parcels O-1 through O-5) and includes Endicott Boulevard/Tucson Way, as shown on Figure 1.4. Following building demolition, rough grading and main utility/roadway installation by Hitachi GST, Parcels O-1 through O-5 will be sold and redeveloped into a mixed residential, commercial, and recreational open space area. In addition, Hitachi GST will be transferring ownership of Endicott Boulevard/Tucson Way and newly constructed public roadways on Parcels O-1 through O-5 to the City of San Jose. Prior to property transfer, Hitachi GST is working with DTSC to remove the Redevelopment Property from the RCRA Permit.

Hitachi GST plans to continue industrial operations (developing and manufacturing of computer storage devices) on the Core Area. The Core Area contains all of the current manufacturing, chemical storage, waste storage, and wastewater treatment buildings/areas on the Site. All activities previously located on Parcels O-1 through O-5 have been moved to the Core Area under the redevelopment plan. There are no current RCRA-permitted sources in the Redevelopment Property. The existing PG&E substation will remain.

3.0 AREAS RECOMMENDED FOR FURTHER EVALUATION

According to the Screening HHRA/CCR, during development of the Site, construction-grade fill material from a local quarry, which contained NOA in the form of serpentine rock, was used as fill beneath parking lots and roadways. The serpentine-rock-containing fill was identified during soil excavation activities related to cleanup of the Site in the early 1980s. Hitachi GST personnel reported that Hitachi GST's policy has been that additional fill containing NOA is removed only during construction or demolition activities that may disturb the NOA-containing fill. Hitachi GST personnel were unable to provide an estimate of how much NOA-containing fill, if any, remained on the Site.

The following additional evaluations/investigations were identified for roads and parking lots in the SI/SP:

- Confirmatory sampling for NOA in road base material beneath roadways and parking lots in the Redevelopment Property, assuming these areas were to be disturbed and/or relocated as part of Site redevelopment activities. As the potential source of any NOA would have been imported fill, only areas beneath parking areas and roadways were recommended for sampling.
- Limited sampling for metals in road base material beneath the roadways and parking lots in the Redevelopment Property that would remain on-site for reuse.
- Confirmatory sampling for NOA in road base material beneath Endicott Boulevard/Tucson Way, which Hitachi GST will be transferring ownership to the City of San Jose.

ENVIRON also recommended that an environmental engineer be present on-site during building demolition to inspect any fill materials beneath the building foundation. Areas of fill materials suspected to contain NOA were recommended for sampling.

4.0 SOIL INSPECTION/SAMPLING PLAN IMPLEMENTATION

4.1 Overview of Sampling Activities

ENVIRON conducted two sampling events for NOA-containing road base material at the Site. The first occurred in October 2005. Based upon the results of that event, a second investigation was conducted in December 2005. Samples of the road base material collected during the December 2005 investigation were also submitted for CAM 17 metals analysis.

ENVIRON also conducted native soil sampling across Parcels O-1 through O-5 in January 2006 (ENVIRON 2006b). The purpose of this sampling was to confirm the absence of NOA in native soils prior to Site grading operations. NOA was detected in one sample collected from 1.5 to 2.5 feet below ground surface (bgs) in boring S5 at a level of 0.5%. This sample was collected in an orchard area located south of Building 026 on Parcel O-3. According to Hitachi GST employees, this orchard area was formerly a parking lot. ENVIRON conducted a sampling event in March 2006 to investigate the extent of NOA in the vicinity of boring S5.

An environmental engineer from ENVIRON was on-site during demolition activities to inspect the fill materials beneath the foundations of buildings or other potential fill material areas (i.e., backfill around utility lines). The fill material was sampled when the presence of NOA was suspected by the environmental engineer. The NOA material is grayish green in color such that the presence of suspect NOA could be determined based upon visual observation.

Table 4.1 provides a summary of all samples collected during the investigations. The results of the investigations are presented below.

4.2 General Sampling Methodology

Samples were collected in accordance with Attachment I of the SI/SP. Prior to initiating any field activities, ENVIRON subcontracted Subdynamic Locating Services (Subdynamic) of San Jose, California to conduct a survey of underground utilities at proposed sampling locations.

Following sample collection (see below), the following information was written on chain-of-custody (COC) forms: sample identification number, sample matrix, date of sample collection, location of sample, and requested analyses. Each COC form consisted of three carbon copy sheets, two of which were placed in the appropriate sample shipping cooler for laboratory use, with the third sheet retained by the Field Manager. COC forms were placed in adhesive plastic windows and affixed to the inside of the shipping cooler lid. Coolers were then closed and sealed; custody seals were affixed to each cooler to enable detection of tampering. In addition, the thickness of the aggregate fill material was measured at each sample location and recorded in field sampling log forms.

4.3 October 2005 Sampling Event

On October 10 through October 17, 2005, ENVIRON was on-site to collect 80 road base samples (B1 through B80). Drilling activities were performed by Precision Sampling, Inc. (Precision) of

Richmond, California using a track-mounted Vibra Push XD Series direct push drilling rig. Samples of the road base were collected by coring through the asphalt and then collecting a sample of the road base material located immediately below using a macrocore sampler. The samples were sent to Forensic Analytical (Forensic) of Hayward, California for analysis of asbestos using the California Air Resources Board (CARB) Method 435 to estimate the percent of asbestos at an accuracy of 0.25%. Sample collection and analytical methods were performed in general accordance with DTSC's *Interim Guidance: Naturally Occurring Asbestos at School Sites (Draft)* (DTSC 2004). The DTSC action level for NOA at school sites is 0.25%.

In accordance with the SI/SP, approximately three samples of road base per acre of parking lot were collected. The samples were composited by Forensic such that one, three-point composite sample was analyzed per acre of parking lot. Similarly, one three-point composite sample was analyzed for every 500 feet of roadway. A total of 79 three-point composite samples were collected during this sampling event. Although there were 80 sample locations, only 79 samples were collected because a sufficient volume of road base material could not be obtained for analysis at sample location B56. Following collection of each sample, the borehole was grouted and patched with asphalt.

Sample results from the October 2005 sampling event are summarized in Table 4.2 and shown on Figure 4.1. The laboratory analytical results are included in Appendix A. As shown in the table, NOA results ranged from non-detect (ND) [no fibers observed in the sample were determined to be asbestos, in accordance with the CARB 435 Method] to 7.5% (Sample B18), with most samples containing less than 2% NOA. The asbestos-type detected was chrysotile.

As shown on Figure 4.1, the sample results from borings B37, B39, B49, B52, B53, and B79 indicate NOA is present at levels above 0.25%, while the surrounding borings indicate NOA was either not detected or detected at levels below 0.25% (asbestos fibers were observed, but no points were counted due to counting criteria defined by the CARB 435 Method). In addition, borings B64, B71, and B76 appeared to be on the edge of continuous areas that may contain NOA. To determine the extent of NOA in these areas, ENVIRON recommended collection of additional NOA road base material samples in the vicinity of these specific borings (ENVIRON 2005c).

4.4 December 2005 Sampling Event

Based upon the results of the October 2005 NOA sampling, a second round of NOA sampling of the road base was performed from December 12 through December 15, 2005. The same sampling methods used during the October 2005 sampling event were used during the December 2005 event. A total of 42 three-point composite samples were collected and submitted to Forensic for analysis of NOA. Samples of the road base materials were also submitted to Severn Trent Laboratory (STL) for CAM 17 Metals analysis by United States Environmental Protection Agency (USEPA) Method 6010B and 7470/7471.¹ The three-point composite sampling locations (B81 through B107 and B116 through B131)² are depicted on Figure 4.2. Although there were 43 sample locations, only 42

¹ Although listed in the SI/SP, samples of the road base materials were not analyzed for pH by USEPA Method 9045.

² Locations B108 through B115 were sampled for organochlorine pesticides as part of a separate investigation.

samples were collected because a sufficient volume of road base material for analysis could not be obtained at sample location B131.

NOA sample results from the December 2005 sampling event are summarized in Table 4.3 and shown on Figure 4.2. The laboratory analytical results are included in Appendix B. As shown on the figure, the results from the December 2005 event indicate that NOA is present throughout the road base material in the parking lot south of Building 026 and in the majority of the parking lot east of Building 011. The results from the samples collected around previous borings B53, B52, B39, B49, and B79 indicate that the NOA previously detected is somewhat isolated and may not be indicative of the road base material below the parking lots and/or roadways in these areas.

Metal sample results are summarized in Table 4.4. The laboratory analytical results are included in Appendix C. Beryllium, molybdenum, selenium, and silver were not detected above their respective reporting limits in any of the 42 samples. The metals concentrations detected in the road base material were compared to the RGs previously developed as part of the CMS for the Redevelopment Property (ENVIRON 2006a). No metals were detected above their respective RGs.

4.5 January 2006 Sampling Event

Although sampling of native soil for NOA was not included in the SI/SP, on January 16, 2006, ENVIRON collected samples of the native soil across the Redevelopment Property in preparation for Site grading. Sample locations are shown on Figure 4.3. Drilling activities were performed by Precision using a track-mounted Vibra Push XD Series direct push drilling rig. Samples of the native soil were collected at 10 locations at depths of 1.5-2.5, 5-6 and 9-10 feet below ground surface (bgs) using a macrocore sampler and butyrate plastic sleeves. The total depth to sample was based on the anticipated excavation depth for the majority of the utilities to be installed at the Site. The three intervals were chosen to be representative of the soil types present at the Site. Following collection of the native soil samples, the hole was backfilled with the excess soil generated during drilling. Any remaining void space was filled with grout and, where necessary, the borehole was patched with asphalt.

Sample results from the January 2006 sampling event are summarized in Table 4.5 and Figure 4.3. The laboratory analytical results are included in Appendix D. As shown on the figure, the results indicate that NOA was not detected in native soil in the majority of boring locations. However, NOA was detected in one sample collected from 1.5 to 2.5 feet bgs (the shallow sample) in boring S5 at a level of 0.5%. This sample was collected in an orchard area located south of Building 026. Review of historical information indicated that this orchard area was the location of a former parking lot.

4.6 March 2006 Sampling Event

On March 10, 2006, ENVIRON collected additional samples of shallow soil in the orchard (former parking lot) located south of Building 026 (ENVIRON 2006c). Drilling activities were performed by BC2 Environmental (BC2) of San Leandro, California using a hand auger. Borings were advanced to three feet bgs at each location and samples were visually inspected by ENVIRON for evidence of prior road base. In general, road base was observed in shallow soil at depths between zero and 2.5 feet bgs. Samples were collected from approximately 1.5 to 2 feet bgs at 10 of the

boring locations. At boring locations S5-6, S5-7, and S5-12, samples were collected at different depths (0.5 to 1, zero to 0.5, and 1 to 1.5 feet bgs, respectively), based on differences in color and texture of the material at these depths compared to the material observed at other locations. Samples were collected in Ziploc®-type plastic bags.

Sample results from the March 2006 sampling event are summarized in Table 4.6 and Figure 4.4. The laboratory analytical results are included in Appendix E. The results indicate that NOA was detected in every boring location in the orchard area. The level of detections ranged from 3.3% (S5-1) to 15% (S5-6). Given the historical use of the orchard as a parking lot and the visual presence of road base materials, it appears that road base material was left in the orchard when the pavement was removed from this area.

ENVIRON summarized the results of the NOA native soil sampling (January 2006 sampling event) and additional NOA sampling south of Building 026 (March 2006 sampling event) in a letter report (ENVIRON 2006b), which was provided to DTSC by Hitachi GST (Hitachi GST 2006).

4.7 NOA Sampling under Building Foundations & Other Potential Fill Material Areas

An environmental engineer from ENVIRON was present on-site during portions of the demolition of Buildings 010, 012, 018, 026, 028, 028J, and 051 to inspect the fill materials beneath the building foundation. In addition, an environmental engineer from ENVIRON was present on-site during other redevelopment activities (e.g., utility removal, sidewalk removal) to inspect other potential fill material areas. The fill beneath the building foundation and other potential fill material areas was sampled in accordance with the SI/SP, when the presence of NOA was suspected by the environmental engineer.

Building Foundations. Suspect NOA was observed under a portion of Building 028 and a sample was collected and analyzed for NOA (B028-Subbase). The sample location is shown on Figure 4.5. The sample was taken directly from the footing backfill material which varied in width from six inches to 12 inches beneath the footings. The sample was not taken for purposes of characterization, but rather for confirmation to establish appropriate worker safety conditions for that aspect of the demolition. The results of this sample showed NOA at 1.5%, as shown on Table 4.7.

Other Potential Fill Material Areas. Suspect NOA was observed in several other potential fill material areas and nine samples were collected and analyzed for NOA. The sample locations are shown on Figure 4.5. Table 4.7 provides a description of the sample locations and summarizes the sample results. The laboratory analytical results are included in Appendix F. NOA levels ranged from non-detect to 3.3%. NOA was detected in fill material surrounding utilities under Tucson Way/Endicott Boulevard and beneath landscaped areas near Tucson Way. NOA was also identified in the subbase beneath a sidewalk near the former Homestead Lake.

4.8 Investigation Derived Waste

Investigation derived waste (IDW) generated during the October and December 2005 sampling events was collected in 55-gallon drums and labeled and sealed following completion of field activities. Management and disposal of IDW was conducted by Hitachi GST. ENVIRON provided

Hitachi GST with the relevant analytical results to assist Hitachi GST with appropriate management and disposal of IDW.

During the March 2006 sampling event, borings were backfilled with the excess soil generated during advancing of the boring following the collection of each soil sample. There was no IDW generated during NOA sampling under building foundations, as the sample was collected from an exposed area of fill material.

4.9 Removal of Road Base Materials Containing NOA

An amendment to the NOA Management Plan prepared by ENVIRON, dated January 15, 2007, describes procedures for transportation and disposal of road base materials containing NOA (ENVIRON 2006d). The letter is included as Appendix G. According to the letter, road base materials would be handled as follows:

- Road base materials which are non-detect for NOA will be reused on-site.
- Road base materials which are < 0.25 % to < 5% NOA, will be transported off-site to either Guadalupe Landfill in San Jose, California or Kirby Canyon Landfill in Morgan Hill, California.
- Road base materials which are $\geq 5\%$ will be transported off-site to the Altamont Landfill in Livermore, California.

Implementation of the NOA Management Plan has been completed. Figure 4.6 shows the approximate extent of NOA-containing road base in roads and parking lots for each category.

Road Base Materials which are Non-detect for NOA. Road base materials that were non-detect for NOA were stockpiled separately in the north of the Redevelopment Property.

Road Base Materials which Contain <0.25% to <5% NOA. In accordance with the NOA Management Plan, much of the NOA-containing road base (<5%) was removed and temporarily stockpiled south of the former Building 028. Off-haul of the NOA road base stockpile began on February 26, 2007 and was completed on March 24, 2007. NOA-containing road base material that was not placed in the temporary stockpile was hauled directly off-site.

Removal of NOA-containing road base from the Redevelopment Property was completed on June 11, 2007. A total of 8,098 truckloads (approximately 194,350 tons) of NOA-containing road base material were transported to either the Guadalupe Landfill in San Jose, California or the Kirby Canyon Landfill in Morgan Hill, California.

Additional NOA-containing materials discovered during on-site demolition activities (i.e., backfill around utilities, subbase beneath sidewalks, etc.) were handled in accordance with the NOA Management Plan, with the following exceptions:

- As discussed above, NOA was detected at 1.5% in a sample (B028-Subbase) collected from subbase beneath a retrofit portion of the former Building 028. The sample was not

taken for purposes of characterization, but rather for confirmation to establish appropriate worker safety conditions for that aspect of the demolition. The footings and surrounding backfill materials were removed, along with soil, and stockpiled separately for further characterization. The stockpile, which was approximately 11,000 cubic yards, was sampled on May 1, 2007. A total of 18 three-point composite samples were collected on an approximately forty-foot by forty-foot (40' x 40') grid across the stockpile, which was approximately 10 feet high. This resulted in one three-point composite sample being collected approximately every 600 cubic yards. The results of all 18 samples showed NOA at <0.25%. Therefore, the pile was managed as demolition debris.

- NOA was detected at < 0.25 % in the sample collected from subbase beneath the parking lot of the former Building 028 (P028-Aug3106-01). This material is less than the DTSC action level for NOA at school sites (0.25%) and was left in-place.
- NOA was detected at 3.3% in a backfill sample (EB-SLBF-1) collected around a sewer line in Endicott Boulevard. The sewer line and surrounding backfill was not removed during demolition activities, but was instead grouted in-place. This action was approved by the City of San Jose and the DTSC.

Road Base Materials which Contain >5% NOA. As part of obtaining waste profile approval for disposal of the NOA road base material that contained $\geq 5\%$ NOA at the Altamont Landfill, Waste Management, Inc. (WMI) requested that the road base material be analyzed for additional constituents. On November 1, 2006, two soil samples (S5-4-1 and S5-9-1) were collected from the orchard area south of Building 026. Figure 4.7 shows the location of these two samples. Per WMI's request, the samples were analyzed for nickel and hexavalent chromium using the California Waste Extraction Test (CA-WET) Method, for the solid threshold limit concentration (STLC) for waste characterization purposes. The two samples were also analyzed for hexavalent chromium by USEPA Method 7196A. The laboratory report is provided in Appendix H and the sampling results are summarized in Table 4.8. Nickel was detected at a maximum of 5.1 milligrams per liter (mg/L), well below the STLC of 20 mg/L. Hexavalent chromium was not detected in the STLC or soil. Therefore, the soil in this area was not considered to be a California hazardous waste.

NOA-containing road base material ($\geq 5\%$) in the orchard area south of the former Building 026 was transported off-site between December 29, 2006 and January 12, 2007. A total of 660 truckloads (15,038.85 tons) of NOA-containing road base material were direct-loaded onto trucks and transported under Straight Bills of Lading to the Altamont Landfill in Livermore, California, as non-hazardous waste. The truck logs and Straight Bills of Lading are included as Appendix I.

NOA-containing road base material ($\geq 5\%$) in the parking lot near Building 018 was transported off-site between March 19 and March 21, 2007. A total of 76 truckloads (1,707.39 tons) of NOA-containing road base material were direct-loaded onto trucks and transported under Straight Bills of Lading to the Altamont Landfill in Livermore, California, as non-hazardous waste. The truck logs and Straight Bills of Lading are included as Appendix I.

5.0 CONCLUSIONS

The results of implementation of the SI/SP indicate that NOA-containing road base was present on the Redevelopment Property at levels ranging between <0.25% and 15%. Limited sampling for metals in fill beneath roadways and parking lots in the Redevelopment Property indicates that metals are not present in road base above RGs developed for the Redevelopment Property. NOA-containing road base materials were disposed off-site in accordance with the amendment to the NOA Management Plan, dated January 15, 2007.

6.0 REFERENCES

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T A B L E S

TABLE 4.1
Sample Identification Table - NOA in Roads and Parking Lots
Hitachi GST
San Jose, California

Sample Location ID	Sample Date	Parcel	Area	Location	Figure	Sample Depth (a)	Sampling Constituent	Analysis Method Number
B1	10/13/2005	O-2	Parking Lot	Building 010 Parking Lot	4.1/4.2	0	NOA	CARB 435
B2	10/13/2005	O-2	Parking Lot	Building 010 Parking Lot	4.1/4.2	0	NOA	CARB 435
B3	10/13/2005	O-1	Parking Lot	Building 010 Parking Lot	4.1/4.2	0	NOA	CARB 435
B4	10/14/2005	O-2	Roadway	Boulder Boulevard	4.1/4.2	0	NOA	CARB 435
B5	10/10/2005	O-5	Parking Lot	Building 051 Parking Lot	4.1/4.2	0	NOA	CARB 435
B6	10/10/2005	O-5	Parking Lot	Building 051 Parking Lot	4.1/4.2	0	NOA	CARB 435
B7	10/10/2005	O-5	Parking Lot	Building 051 Parking Lot	4.1/4.2	0	NOA	CARB 435
B8	10/10/2005	O-5	Parking Lot	Building 051 Parking Lot	4.1/4.2	0	NOA	CARB 435
B9	10/10/2005	O-5	Parking Lot	Building 051 Parking Lot	4.1/4.2	0	NOA	CARB 435
B10	10/10/2005	O-5	Parking Lot	Building 051 Parking Lot	4.1/4.2	0	NOA	CARB 435
B11	10/10/2005	O-5	Parking Lot	Building 051 Parking Lot	4.1/4.2	0	NOA	CARB 435
B12	10/10/2005	O-5	Parking Lot	Building 051 Parking Lot	4.1/4.2	0	NOA	CARB 435
B13	10/11/2005	O-5	Roadway	White Plains Road	4.1/4.2	0	NOA	CARB 435
B14	10/11/2005	O-5	Roadway	White Plains Road	4.1/4.2	0	NOA	CARB 435
B15	10/11/2005	O-5	Roadway	White Plains Road	4.1/4.2	0	NOA	CARB 435

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San Jose, California

Sample Location ID	Sample Date	Parcel	Area	Location	Figure	Sample Depth (a)	Sampling Constituent	Analysis Method Number
B16	10/11/2005	O-4	Roadway	White Plains Road	4.1/4.2	0	NOA	CARB 435
B17	10/10/2005	O-4	Roadway	Homestead Road	4.1/4.2	0	NOA	CARB 435
B18	10/10/2005	O-4	Roadway	Homestead Road	4.1/4.2	0	NOA	CARB 435
B19	10/10/2005	O-5	Parking Lot	Building 018 Parking Lot	4.1/4.2	0	NOA	CARB 435
B20	10/11/2005	O-4	Roadway	White Plains Road	4.1/4.2	0	NOA	CARB 435
B21	10/11/2005	O-4	Roadway	Charlotte Drive	4.1/4.2	0	NOA	CARB 435
B22	10/11/2005	O-4	Roadway	Charlotte Drive	4.1/4.2	0	NOA	CARB 435
B23	10/12/2005	O-4	Parking Lot	Building 028 Parking Lot	4.1/4.2	0	NOA	CARB 435
B24	10/11/2005	O-4	Parking Lot	Building 028 Parking Lot	4.1/4.2	0	NOA	CARB 435
B25	10/12/2005	O-4	Roadway	Building 028 Access Road	4.1/4.2	0	NOA	CARB 435
B26	10/11/2005	O-4	Parking Lot	Building 028 Parking Lot	4.1/4.2	0	NOA	CARB 435
B27	10/12/2005	O-4	Parking Lot	Building 028 Parking Lot	4.1/4.2	0	NOA	CARB 435
B28	10/12/2005	O-4	Roadway	Building 028 Access Road	4.1/4.2	0	NOA	CARB 435
B29	10/12/2005	O-4	Parking Lot	Building 028 Parking Lot	4.1/4.2	0	NOA	CARB 435
B30	10/12/2005	O-4	Roadway	Building 028J Access Road	4.1/4.2	0	NOA	CARB 435
B31	10/11/2005	O-4	Roadway	Raleigh Road, East	4.1/4.2	0	NOA	CARB 435
B32	10/11/2005	O-4	Roadway	Raleigh Road, East	4.1/4.2	0	NOA	CARB 435

TABLE 4.1
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Hitachi GST
San Jose, California

Sample Location ID	Sample Date	Parcel	Area	Location	Figure	Sample Depth (a)	Sampling Constituent	Analysis Method Number
B33	10/11/2005	O-3	Roadway	Poughkeepsie Road	4.1/4.2	0	NOA	CARB 435
B34	10/11/2005	O-5	Roadway	Raleigh Road, East	4.1/4.2	0	NOA	CARB 435
B35	10/12/2005	O-4	Roadway	Raleigh Road, West Near Gate	4.1/4.2	0	NOA	CARB 435
B36	10/12/2005	O-4	Roadway	Raleigh Road, West Near Gate	4.1/4.2	0	NOA	CARB 435
B37	10/12/2005	O-3	Parking Lot	Building 026 South Parking Lot	4.1/4.2	0	NOA	CARB 435
B38	10/12/2005	O-3	Parking Lot	Building 026 South Parking Lot	4.1/4.2	0	NOA	CARB 435
B39	10/12/2005	O-3	Roadway	Lexington Ave	4.1/4.2	0	NOA	CARB 435
B40	10/12/2005	O-3	Parking Lot	Building 026 Southwest Parking Lot	4.1/4.2	0	NOA	CARB 435
B41	10/12/2005	O-3	Roadway	Building 026 Access Road	4.1/4.2	0	NOA	CARB 435
B42	10/12/2005	O-2	Parking Lot	Building 026 West Parking Lot	4.1/4.2	0	NOA	CARB 435
B43	10/12/2005	O-2	Parking Lot	Building 026 West Parking Lot	4.1/4.2	0	NOA	CARB 435
B44	10/12/2005	O-2	Roadway	Lexington Ave	4.1/4.2	0	NOA	CARB 435
B45	10/12/2005	O-2	Roadway	Building 026 Access Road	4.1/4.2	0	NOA	CARB 435
B46	10/12/2005	O-2	Parking Lot	Building 026 West Parking Lot	4.1/4.2	0	NOA	CARB 435
B47	10/13/2005	O-2	Parking Lot	Building 026 West Parking Lot	4.1/4.2	0	NOA	CARB 435
B48	10/13/2005	O-2	Parking Lot	Building 026 West Parking Lot	4.1/4.2	0	NOA	CARB 435
B49	10/13/2005	O-2	Roadway	Lexington Ave	4.1/4.2	0	NOA	CARB 435

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San Jose, California

Sample Location ID	Sample Date	Parcel	Area	Location	Figure	Sample Depth (a)	Sampling Constituent	Analysis Method Number
B50	10/13/2005	O-2	Parking Lot	Building 026 West Parking Lot	4.1/4.2	0	NOA	CARB 435
B51	10/13/2005	O-2	Roadway	Building 026 Access Road	4.1/4.2	0	NOA	CARB 435
B52	10/13/2005	O-2	Parking Lot	Building 026 West Parking Lot	4.1/4.2	0	NOA	CARB 435
B53	10/13/2005	O-2	Parking Lot	Building 012 Parking Lot, Parking Lot North of Building	4.1/4.2	0	NOA	CARB 435
B54	10/13/2005	O-2	Parking Lot	Building 012 Parking Lot, Parking Lot North of Building	4.1/4.2	0	NOA	CARB 435
B55	10/13/2005	O-2	Parking Lot	Building 012 Parking Lot	4.1/4.2	0	NOA	CARB 435
B56	NS	O-2	Roadway	Building 012 Access Road	4.1/4.2	0	NOA	CARB 435
B57	10/11/2005	O-2	Roadway	Poughkeepsie Road (east of Building 026)	4.1/4.2	0	NOA	CARB 435
B58	10/11/2005	O-2	Roadway	Building 012 Loading Dock	4.1/4.2	0	NOA	CARB 435
B59	10/14/2005	Endicott Blvd/ Tucson Way	Roadway	Tucson Way	4.1/4.2	0	NOA	CARB 435
B60	10/14/2005	Endicott Blvd/ Tucson Way	Roadway	Tucson Way	4.1/4.2	0	NOA	CARB 435
B61	10/14/2005	Endicott Blvd/ Tucson Way	Roadway	Tucson Way	4.1/4.2	0	NOA	CARB 435
B62	10/14/2005	Endicott Blvd/ Tucson Way	Roadway	Tucson Way	4.1/4.2	0	NOA	CARB 435
B63	10/14/2005	Endicott Blvd/ Tucson Way	Roadway	Tucson Way	4.1/4.2	0	NOA	CARB 435
B64	10/14/2005	Endicott Blvd/ Tucson Way	Roadway	Tucson Way	4.1/4.2	0	NOA	CARB 435
B65	10/14/2005	Endicott Blvd/ Tucson Way	Roadway	Endicott Boulevard	4.1/4.2	0	NOA	CARB 435
B66	10/14/2005	Endicott Blvd/ Tucson Way	Roadway	Endicott Boulevard	4.1/4.2	0	NOA	CARB 435

TABLE 4.1
Sample Identification Table - NOA in Roads and Parking Lots
Hitachi GST
San Jose, California

Sample Location ID	Sample Date	Parcel	Area	Location	Figure	Sample Depth (a)	Sampling Constituent	Analysis Method Number
B67	10/13/2005	Endicott Blvd/ Tucson Way	Roadway	Endicott Boulevard	4.1/4.2	0	NOA	CARB 435
B68	10/14/2005	O-1	Roadway	Building 011/009 Access Road	4.1/4.2	0	NOA	CARB 435
B69	10/14/2005	O-1	Roadway	Building 011/009 Access Road	4.1/4.2	0	NOA	CARB 435
B70	10/14/2005	O-1	Parking Lot	Building 005 Parking Lot	4.1/4.2	0	NOA	CARB 435
B71	10/14/2005	O-1	Parking Lot	Building 005 Parking Lot	4.1/4.2	0	NOA	CARB 435
B72	10/14/2005	O-1	Parking Lot	Building 005 Parking Lot	4.1/4.2	0	NOA	CARB 435
B73	10/14/2005	O-1	Parking Lot	Building 005 Parking Lot	4.1/4.2	0	NOA	CARB 435
B74	10/14/2005	O-1	Parking Lot	Building 005 Parking Lot	4.1/4.2	0	NOA	CARB 435
B75	10/14/2005	O-1	Parking Lot	Building 005 Parking Lot	4.1/4.2	0	NOA	CARB 435
B76	10/14/2005	O-1	Parking Lot	Building 005 Parking Lot	4.1/4.2	0	NOA	CARB 435
B77	10/13/2005	O-2	Roadway	Lexington Ave	4.1/4.2	0	NOA	CARB 435
B78	10/13/2005	O-2	Roadway	Poughkeepsie Road	4.1/4.2	0	NOA	CARB 435
B79	10/13/2005	O-2	Roadway	Poughkeepsie Road	4.1/4.2	0	NOA	CARB 435
B80	10/14/2005	Endicott Blvd/ Tucson Way	Roadway	Tucson Way	4.1/4.2	0	NOA	CARB 435
B81	12/12/2005	O-2	Roadway	Poughkeepsie Road	4.2	0	NOA	CARB 435
							Metals	6010B/7471A

TABLE 4.1
Sample Identification Table - NOA in Roads and Parking Lots
Hitachi GST
San Jose, California

Sample Location ID	Sample Date	Parcel	Area	Location	Figure	Sample Depth (a)	Sampling Constituent	Analysis Method Number
B82	12/12/2005	O-2	Roadway	Poughkeepsie Road	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B83	12/12/2005	Endicott Blvd/ Tucson Way	Roadway	Tucson Way	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B84	12/12/2005	Endicott Blvd/ Tucson Way	Roadway	Tucson Way	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B85	12/12/2005	O-1	Parking Lot	Building 005 Parking Lot	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B86	12/12/2005	O-1	Parking Lot	Building 005 Parking Lot	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B87	12/12/2005	O-1	Parking Lot	Building 005 Parking Lot	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B88	12/12/2005	O-1	Parking Lot	Building 005 Parking Lot	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B89	12/12/2005	O-1	Parking Lot	Building 005 Parking Lot	4.2	0	NOA	CARB 435
							Metals	6010B/7471A

TABLE 4.1
Sample Identification Table - NOA in Roads and Parking Lots
Hitachi GST
San Jose, California

Sample Location ID	Sample Date	Parcel	Area	Location	Figure	Sample Depth (a)	Sampling Constituent	Analysis Method Number
B90	12/12/2005	O-1	Parking Lot	Building 005 Parking Lot	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B91	12/12/2005	O-2	Parking Lot	Building 012 Parking Lot, Parking Lot North of Building 026	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B92	12/12/2005	O-2	Parking Lot	Building 012 Parking Lot, Parking Lot North of Building 026	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B93	12/12/2005	O-2	Parking Lot	Building 012 Parking Lot, Parking Lot North of Building 026	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B94	12/12/2005	O-2	Parking Lot	Building 012 Parking Lot, Parking Lot North of Building 026	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B95	12/12/2005	O-2	Parking Lot	Building 012 Parking Lot, Parking Lot North of Building 026	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B96	12/13/2005	O-2	Parking Lot	Building 012 Parking Lot, Parking Lot North of Building 026	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B97	12/12/2005	O-2	Parking Lot	Building 012 Parking Lot, Parking Lot North of Building 026	4.2	0	NOA	CARB 435
							Metals	6010B/7471A

TABLE 4.1
Sample Identification Table - NOA in Roads and Parking Lots
Hitachi GST
San Jose, California

Sample Location ID	Sample Date	Parcel	Area	Location	Figure	Sample Depth (a)	Sampling Constituent	Analysis Method Number
B98	12/13/2005	O-2	Parking Lot	Building 026 West Parking Lot	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B99	12/13/2005	O-2	Parking Lot	Building 026 West Parking Lot	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B100	12/13/2005	O-2	Parking Lot	Building 026 West Parking Lot	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B101	12/13/2005	O-2	Parking Lot	Building 026 West Parking Lot	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B102	12/13/2005	O-2	Parking Lot	Building 026 West Parking Lot	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B103	12/13/2005	O-2	Parking Lot	Building 026 West Parking Lot	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B104	12/13/2005	O-2	Roadway	Lexington Ave	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B105	12/13/2005	O-2	Roadway	Lexington Ave	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B106	12/13/2005	O-2	Roadway	Lexington Ave	4.2	0	NOA	CARB 435
							Metals	6010B/7471A

TABLE 4.1
Sample Identification Table - NOA in Roads and Parking Lots
Hitachi GST
San Jose, California

Sample Location ID	Sample Date	Parcel	Area	Location	Figure	Sample Depth (a)	Sampling Constituent	Analysis Method Number
B107	12/13/2005	O-2	Roadway	Lexington Ave	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B116	12/13/2005	O-2	Roadway	Lexington Ave	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B117	12/14/2005	O-3	Roadway	Lexington Ave	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B118	12/14/2005	O-3	Parking Lot	Building 026 South Parking Lot	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B119	12/14/2005	O-3	Parking Lot	Building 026 South Parking Lot	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B120	12/14/2005	O-3	Parking Lot	Building 026 South Parking Lot	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B121	12/14/2005	O-3	Parking Lot	Building 026 South Parking Lot	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B122	12/14/2005	O-3	Parking Lot	Building 026 South Parking Lot	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B123	12/14/2005	O-3	Parking Lot	Building 026 South Parking Lot	4.2	0	NOA	CARB 435
							Metals	6010B/7471A

TABLE 4.1
Sample Identification Table - NOA in Roads and Parking Lots
Hitachi GST
San Jose, California

Sample Location ID	Sample Date	Parcel	Area	Location	Figure	Sample Depth (a)	Sampling Constituent	Analysis Method Number
B124	12/14/2005	O-3	Parking Lot	Building 026 South Parking Lot	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B125	12/14/2005	O-3	Parking Lot	Building 026 South Parking Lot	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B126	12/12/2005	O-1	Roadway	Boulder Boulevard	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B127	12/12/2005	O-1	Roadway	Boulder Boulevard	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B128	12/12/2005	O-2	Roadway	Boulder Boulevard	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B129	12/12/2005	O-2	Roadway	Boulder Boulevard	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B130	12/14/2005	O-3	Roadway	Lexington Ave	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
B131	---	O-3	Roadway	Lexington Ave	4.2	0	NOA	CARB 435
							Metals	6010B/7471A
S1	1/16/2006	O-1	Orchard	Building 010 Northeast Orchard	4.3	1.5	NOA	CARB 435
						5.0	NOA	CARB 435
						9.0	NOA	CARB 435

TABLE 4.1
Sample Identification Table - NOA in Roads and Parking Lots
Hitachi GST
San Jose, California

Sample Location ID	Sample Date	Parcel	Area	Location	Figure	Sample Depth (a)	Sampling Constituent	Analysis Method Number
S2	1/16/2006	O-1	Parking Lot	Building 011 Parking Lot	4.3	1.5	NOA	CARB 435
						5.0	NOA	CARB 435
						9.0	NOA	CARB 435
S3	1/16/2006	O-2	Parking Lot	Building 012 Parking Lot, Parking Lot North of Building 026	4.3	1.5	NOA	CARB 435
						5.0	NOA	CARB 435
						9.0	NOA	CARB 435
S4	1/16/2006	O-2	Orchard	Building 026 West Orchard	4.3	1.5	NOA	CARB 435
						5.0	NOA	CARB 435
						9.0	NOA	CARB 435
S5	1/16/2006	O-3	Orchard	Building 026 South Orchard	4.3/4.4	1.5	NOA	CARB 435
						5.0	NOA	CARB 435
						9.0	NOA	CARB 435
S6	1/16/2006	O-4	Roadway	Building 028J Access Road	4.3	1.5	NOA	CARB 435
						5.0	NOA	CARB 435
						8.5	NOA	CARB 435
S7	1/16/2006	O-4	Landscaping	Homestead Lake	4.3	1.5	NOA	CARB 435
						5.0	NOA	CARB 435
						9.0	NOA	CARB 435

TABLE 4.1
Sample Identification Table - NOA in Roads and Parking Lots
Hitachi GST
San Jose, California

Sample Location ID	Sample Date	Parcel	Area	Location	Figure	Sample Depth (a)	Sampling Constituent	Analysis Method Number
S8	1/16/2006	O-4	Landscaping	Homestead Lake	4.3	1.5	NOA	CARB 435
						5.0	NOA	CARB 435
						9.0	NOA	CARB 435
S9	1/16/2006	O-5	Orchard	Building 051 West Orchard	4.3	1.5	NOA	CARB 435
						5.0	NOA	CARB 435
						9.0	NOA	CARB 435
S10	1/16/2006	O-5	Orchard	Building 051 Southeast Orchard	4.3	1.5	NOA	CARB 435
						5	NOA	CARB 435
						9.0	NOA	CARB 435
S5-1	3/10/2006	O-3	Orchard	Building 026 South Orchard	4.4	1.5	NOA	CARB 435
S5-2	3/10/2006	O-3	Orchard	Building 026 South Orchard	4.4	1.5	NOA	CARB 435
S5-3	3/10/2006	O-3	Orchard	Building 026 South Orchard	4.4	1.5	NOA	CARB 435
S5-4	3/10/2006	O-3	Orchard	Building 026 South Orchard	4.4	1.5	NOA	CARB 435
S5-5	3/10/2006	O-3	Orchard	Building 026 South Orchard	4.4	1.5	NOA	CARB 435
S5-6	3/10/2006	O-3	Orchard	Building 026 South Orchard	4.4	0.5	NOA	CARB 435
S5-7	3/10/2006	O-3	Orchard	Building 026 South Orchard	4.4	0	NOA	CARB 435
S5-8	3/10/2006	O-3	Orchard	Building 026 South Orchard	4.4	1.5	NOA	CARB 435
S5-9	3/10/2006	O-3	Orchard	Building 026 South Orchard	4.4	1.5	NOA	CARB 435
S5-10	3/10/2006	O-3	Orchard	Building 026 South Orchard	4.4	1.5	NOA	CARB 435

TABLE 4.1
Sample Identification Table - NOA in Roads and Parking Lots
Hitachi GST
San Jose, California

Sample Location ID	Sample Date	Parcel	Area	Location	Figure	Sample Depth (a)	Sampling Constituent	Analysis Method Number
S5-11	3/10/2006	O-3	Orchard	Building 026 South Orchard	4.4	1.5	NOA	CARB 435
S5-12	3/10/2006	O-3	Orchard	Building 026 South Orchard	4.4	1.0	NOA	CARB 435
S5-4-1	11/1/2006	O-3	Orchard	Building 026 South Orchard	4.7	0	Hexavalent Chromium	7196A
							STLC Nickel	CA-WET
							STLC Hexavalent Chromium	CA-WET
S5-9-1	11/1/2006	O-3	Orchard	Building 026 South Orchard	4.7	0	Hexavalent Chromium	7196A
							STLC Nickel	CA-WET
							STLC Hexavalent Chromium	CA-WET
P028-Aug3106-01	8/31/2006	O-4	Parking Lot	Subbase beneath Building 028 Parking Lot	4.5	0	NOA	CARB 435
TWL-1	9/21/2006	Endicott Blvd/ Tucson Way	Landscaping	Landscaping between Tucson Way and railroad tracks	4.5	0	NOA	CARB 435
TWP-1	9/25/2006	Endicott Blvd/ Tucson Way	Utility Backfill	Tucson Way	4.5	n/a	NOA	CARB 435
026-Unk-1	10/17/2006	O-2	Roadway	Building 026 East	4.5	0	NOA	CARB 435
TWU-Rock-19Oct06	10/19/2006	Endicott Blvd/ Tucson Way	Utility Backfill	Tucson Way	4.5	n/a	NOA	CARB 435
TWU-BF-19Oct06	10/19/2006	Endicott Blvd/ Tucson Way	Utility Backfill	Tucson Way	4.5	n/a	NOA	CARB 435
EB-SLBF-1	11/1/2006	Endicott Blvd/ Tucson Way	Utility Backfill	Endicott Boulevard	4.5	n/a	NOA	CARB 435

TABLE 4.1
Sample Identification Table - NOA in Roads and Parking Lots
Hitachi GST
San Jose, California

Sample Location ID	Sample Date	Parcel	Area	Location	Figure	Sample Depth (a)	Sampling Constituent	Analysis Method Number
SSOL-CAP-1	11/1/2006	O-4	Concrete Cap	Tucson Way	4.5	n/a	NOA	CARB 435
B028-Subbase	12/6/2006	O-4	Building	Building 028 Subbase	4.5	0	NOA	CARB 435
Pond-Sidewalk-Subbase	1/3/2007	O-4	Sidewalk	Homestead Lake	4.5	0	NOA	CARB 435

Notes:

CARB = California Air Resources Board

CA-WET = California Waste Extraction Test

NOA = naturally-occurring asbestos

NS = Not sampled because a sufficient volume of roadbase material could not be obtained for analysis at the sampling location

STLC = solid threshold limit concentration

(a) Sample top depth in feet below the asphalt/concrete surface (samples taken from roadways, parking lots, and beneath buildings) or the ground surface (samples taken from landscaped and orchard areas). Actual depth of sample below ground surface varied depending upon asphalt thickness.

TABLE 4.2
Summary Results for NOA in Road Base - October 2005
Hitachi GST
San Jose, California

Boring ID	Sample ID	Sample Date	NOA Result (%)
B1	B01-13Oct05-C	10/13/2005	ND
B2	B02-13Oct05-C	10/13/2005	ND
B3	B03-13Oct05-C	10/13/2005	ND
B4	B04-14Oct05-C	10/14/2005	ND
B5	B05-10Oct05-C	10/10/2005	0.75
B6	B06-10Oct05-C	10/10/2005	1.5
B7	B07-10Oct05-C	10/10/2005	1
B8	B08-10Oct05-C	10/10/2005	1.5
B9	B09-10Oct05-C	10/10/2005	0.5
B10	B10-10Oct05-C	10/10/2005	0.75
B11	B11-10Oct05-C	10/10/2005	0.5
B12	B12-10Oct05-C	10/10/2005	0.75
B13	B13-11Oct05-C	10/11/2005	1.8
B14	B14-11Oct05-C	10/11/2005	2
B15	B15-11Oct05-C	10/11/2005	2.3
B16	B16-11Oct05-C	10/11/2005	1.5
B17	B17-10Oct05-C	10/10/2005	1.3
B18	B18-10Oct05-C	10/10/2005	7.5
B19	B19-10Oct05-C	10/10/2005	1.8
B20	B20-11Oct05-C	10/11/2005	0.75
B21	B21-11Oct05-C	10/11/2005	0.75
B22	B22-11Oct05-C	10/11/2005	2.3
B23	B23-12Oct05-C	10/12/2005	1.8
B24	B24-11Oct05-C	10/11/2005	1.8
B25	B25-12Oct05-C	10/12/2005	3.5
B26	B26-11Oct05-C	10/11/2005	0.25
B27	B27-12Oct05-C	10/12/2005	1.8
B28	B28-12Oct05-C	10/12/2005	2
B29	B29-12Oct05-C	10/12/2005	5
B30	B30-12Oct05-C	10/12/2005	0.5
B31	B31-11Oct05-C	10/11/2005	0.75
B32	B32-11Oct05-C	10/11/2005	2
B33	B33-11Oct05-C	10/11/2005	0.25
B34	B34-11Oct05-C	10/11/2005	1.8
B35	B35-12Oct05-C	10/12/2005	0.75
B36	B36-12Oct05-C	10/12/2005	3.3
B37	B37-12Oct05-C	10/12/2005	1.5
B38	B38-12Oct05-C	10/12/2005	ND
B39	B39-12Oct05-C	10/12/2005	0.5
B40	B40-12Oct05-C	10/12/2005	ND
B41	B41-12Oct05-C	10/12/2005	ND
B42	B42-12Oct05-C	10/12/2005	ND
B43	B43-12Oct05-C	10/12/2005	ND
B44	B44-12Oct05-C	10/12/2005	ND
B45	B45-12Oct05-C	10/12/2005	ND
B46	B46-12Oct05-C	10/12/2005	ND

TABLE 4.2
Summary Results for NOA in Road Base - October 2005
Hitachi GST
San Jose, California

Boring ID	Sample ID	Sample Date	NOA Result (%)
B47	B47-13Oct05-C	10/13/2005	ND
B48	B48-13Oct05-C	10/13/2005	<0.25
B49	B49-13Oct05-C	10/13/2005	1.5
B50	B50-13Oct05-C	10/13/2005	<0.25
B51	B51-13Oct05-C	10/13/2005	ND
B52	B52-13Oct05-C	10/13/2005	1.3
B53	B53-13Oct05-C	10/13/2005	1.5
B54	B54-13Oct05-C	10/13/2005	ND
B55	B55-13Oct05-C	10/13/2005	ND
B56	--	--	NS
B57	B57-11-Oct05-C	10/11/2005	0.25
B58	B58-11Oct05-C	10/11/2005	0.25
B59	B59-14Oct05-C	10/14/2005	1.5
B60	B60-14Oct05-C	10/14/2005	1.3
B61	B61-14Oct05-C	10/14/2005	2.3
B62	B62-14Oct05-C	10/14/2005	1.5
B63	B63-14Oct05-C	10/14/2005	2
B64	B64-14Oct05-C	10/14/2005	0.75
B65	B65-14Oct05-C	10/14/2005	ND
B66	B66-14Oct05-C	10/14/2005	ND
B67	B67-13Oct05-C	10/13/2005	ND
B68	B68-14Oct05-C	10/14/2005	ND
B69	B69-14Oct05-C	10/14/2005	ND
B70	B70-14Oct05-C	10/14/2005	1.3
B71	B71-14Oct05-C	10/14/2005	2.8
B72	B72-14Oct05-C	10/14/2005	<0.25
B73	B73-14Oct05-C	10/14/2005	<0.25
B74	B74-14Oct05-C	10/14/2005	0.75
B75	B75-14Oct05-C	10/14/2005	1.8
B76	B76-14Oct05-C	10/14/2005	2
B77	B77-13Oct05-C	10/13/2005	ND
B78	B78-13Oct05-C	10/13/2005	ND
B79	B79-13Oct05-C	10/13/2005	2
B80	B80-14Oct05-C	10/14/2005	2

Notes:

All samples analyzed by California Air Resources Board (CARB) 435 Method.

ND = No fibers observed in the sample were determined to be asbestos, in accordance with the CARB 435 Method.

<0.25 = Asbestos fibers were observed, but no points were counted due to counting criteria defined by the CARB 435 Method.

NS = Not sampled because a sufficient volume of road base material could not be obtained for analysis at the sampling location.

NOA = naturally-occurring asbestos.

TABLE 4.3
Summary Results for NOA in Road Base - December 2005
Hitachi GST
San Jose, California

Boring ID	Sample ID	Sample Date	NOA Result (%)
B81	B81-12Dec05-C	12/12/2005	0.25
B82	B82-12Dec05-C	12/12/2005	<0.25
B83	B83-12Dec05-C	12/12/2005	2.5
B84	B84-12Dec05-C	12/12/2005	2.5
B85	B85-12Dec05-C	12/12/2005	4.8
B86	B86-12Dec05-C	12/12/2005	5.3
B87	B87-12Dec05-C	12/12/2005	2.3
B88	B88-12Dec05-C	12/12/2005	5.5
B89	B89-12Dec05-C	12/12/2005	<0.25
B90	B90-12Dec05-C	12/12/2005	<0.25
B91	B91-12Dec05-C	12/12/2005	ND
B92	B92-12Dec05-C	12/12/2005	ND
B93	B93-13Dec05-C	12/12/2005	ND
B94	B94-12Dec05-C	12/12/2005	0.25
B95	B95-12Dec05-C	12/12/2005	<0.25
B96	B96-13Dec05-C	12/13/2005	ND
B97	B97-12Dec05-C	12/12/2005	ND
B98	B98-13Dec05-C	12/13/2005	<0.25
B99	B99-13Dec05-C	12/13/2005	<0.25
B100	B100-13Dec05-C	12/13/2005	<0.25
B101	B101-13Dec05-C	12/13/2005	ND
B102	B102-13Dec05-C	12/13/2005	<0.25
B103	B103-13Dec05-C	12/13/2005	<0.25
B104	B104-13Dec05-C	12/13/2005	ND
B105	B105-13Dec05-C	12/13/2005	<0.25
B106	B106-13Dec05-C	12/13/2005	<0.25
B107	B107-13Dec05-C	12/13/2005	ND
B116	B116-13Dec05-C	12/13/2005	ND
B117	B117-14Dec05-C	12/14/2005	<0.25
B118	B118-14Dec05-C	12/14/2005	1.8
B119	B119-14Dec05-C	12/14/2005	2.3
B120	B120-14Dec05-C	12/14/2005	1.8
B121	B121-14Dec05-C	12/14/2005	2.5
B122	B122-14Dec05-C	12/14/2005	2.8
B123	B123-14Dec05-C	12/14/2005	1.8
B124	B124-14Dec05-C	12/14/2005	1.5
B125	B125-14Dec05-C	12/14/2005	2.0
B126	B126-12Dec05-C	12/12/2005	<0.25
B127	B127-12Dec05-C	12/12/2005	<0.25
B128	B128-12Dec05-C	12/12/2005	<0.25
B129	B129-12Dec05-C	12/12/2005	<0.25
B130	B130-14Dec05-C	12/14/2005	ND
B131	---	---	NS

Notes:

All samples analyzed using California Air Resources Board (CARB) 435 Method.

ND = No fibers observed in the sample were determined to be asbestos, in accordance with the CARB 435 Method.

<0.25 = Asbestos fibers were observed, but no points were counted due to counting criteria defined by the CARB 435 Method.

NS = Not sampled because a sufficient volume of road base material could not be obtained for analysis at the sampling location.

NOA = naturally-occurring asbestos.

TABLE 4.4
Summary Results for Metals in Road Base - December 2005
Hitachi GST
San Jose, California

Boring ID	Sample ID	Sample Date	Antimony	Arsenic	Barium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Thallium	Vanadium	Zinc
	Remedial Goal (a, mg/kg):		31	12	5,400	77	120,000	900	3,100	150	23	1,500	5.2 (b)	78	23,000
B81	B81-12Dec05	12/12/2005	<2.0	2.2	850	1.1	31	9.3	21	1.6	<0.049	43	<1.0	28	35
B82	B82-12Dec05	12/12/2005	<1.9	4.4	91	1.6	56	13	28	6.9	<0.050	160	<0.97	28	42
B83	B83-12Dec05	12/12/2005	<0.40	<0.20	2.3	<0.10	19	1.3	0.3	<0.20	<0.050	26	<0.20	0.56	0.42
B84	B84-12Dec05	12/12/2005	3.4	<0.99	59	1.9	810	46	18	1.1	<0.049	830	<0.99	29	19
B85	B85-12Dec05	12/12/2005	6.5	<1.0	10	1.9	1800	52	12	<1.0	<0.050	1300	<1.0	24	13
B86	B86-12Dec05	12/12/2005	3.6	<0.99	14	1.9	650	60	9.6	<0.99	<0.050	1200	<0.99	13	16
B87	B87-12Dec05	12/12/2005	3.9	<0.99	9.3	2.3	580	72	8.2	<0.99	<0.048	1300	<0.99	9.5	16
B88	B88-12Dec05	12/12/2005	4.6	<0.99	11	2.2	890	69	15	<0.99	<0.049	1300	1.0	14	18
B89	B89-12Dec05	12/12/2005	<1.9	5.1	99	1.4	46	8.5	20	5.2	<0.048	67	<0.97	26	37
B90	B90-12Dec05	12/12/2005	<2.0	4.5	75	1.4	54	7.5	18	4.6	<0.051	70	<0.98	24	37
B91	B91-12Dec05	12/12/2005	3.2	7.1	64	1.3	24	8.5	21	6.5	0.35	27	<0.99	23	36
B92	B92-12Dec05	12/12/2005	<2.0	6.2	77	1.4	25	11	20	6.7	0.33	31	<0.99	24	41
B93	B93-13Dec05	12/13/2005	<2.0	4.3	49	1.1	19	8.7	18	5.4	<0.050	23	<1.0	19	33
B94	B94-12Dec05	12/12/2005	3.6	2.4	54	2.1	490	47	17	3.3	<0.049	780	<1.0	27	28
B95	B95-12Dec05	12/12/2005	<2.0	4.8	110	1.8	180	23	24	8.7	1.0	260	<1.0	30	41
B96	B96-13Dec05	12/13/2005	<2.0	5.8	70	1.5	26	11	21	7.3	0.33	32	<1.0	27	42
B97	B97-12Dec05	12/12/2005	<2.0	2.8	69	1.2	42	10	32	4.5	0.27	43	<1.0	36	32
B98	B98-13Dec05	12/13/2005	<2.0	2.7	77	1.7	62	14	41	7.5	0.63	140	<1.0	47	39
B99	B99-13Dec05	12/13/2005	<2.0	4.4	80	1.7	61	15	25	6.4	0.23	150	<1.0	33	40
B100	B100-13Dec05	12/13/2005	<2.0	5.1	76	1.5	28	10	21	7.1	0.36	37	<0.99	29	40
B101	B101-13Dec05	12/13/2005	<2.0	4.1	79	1.5	34	10	19	6.1	0.29	45	<1.0	34	39
B102	B102-13Dec05	12/13/2005	<1.9	5.2	96	1.7	67	15	25	8.1	0.32	120	<0.95	39	43
B103	B103-13Dec05	12/13/2005	<2.0	4	120	1.9	82	16	30	8.9	0.24	130	<1.0	51	45
B104	B104-13Dec05	12/13/2005	<2.0	2.6	110	1.4	120	15	25	12	1.0	140	<1.0	41	34
B105	B105-13Dec05	12/13/2005	<1.9	7.4	210	1.8	47	13	33	9.6	<0.048	71	<0.97	33	55
B106	B106-13Dec05	12/13/2005	2.2	4.4	86	1.8	330	26	22	6.9	0.4	390	<0.99	35	39
B107	B107-13Dec05	12/13/2005	<2.0	1.5	140	0.74	22	6.5	18	2.2	0.097	36	<0.99	13	21
B116	B116-13Dec05	12/13/2005	<1.9	1.4	260	0.93	28	7.1	18	4.6	<0.049	50	<0.96	27	23
B117	B117-14Dec05	12/14/2005	<1.9	<0.95	15	0.72	2.7	5.7	22	<0.95	<0.050	5.8	<0.95	35	18
B118	B118-14Dec05	12/14/2005	<2.0	1.9	50	1.2	160	23	16	3.7	2.1	370	<1.0	33	24
B119	B119-14Dec05	12/14/2005	4.1	<1.0	41	1.6	800	42	10	<1.0	0.11	880	<1.0	19	14
B120	B120-14Dec05	12/14/2005	5.2	<1.0	39	1.9	1200	53	14	1.1	2.8	980	<1.0	28	18
B121	B121-14Dec05	12/14/2005	<1.9	<0.95	28	0.52	28	7.5	2.3	1.2	<0.048	140	<0.95	4.1	8.2
B122	B122-14Dec05	12/14/2005	4.2	<0.95	20	1.7	850	53	10	<0.95	<0.050	1000	<0.95	20	14
B123	B123-14Dec05	12/14/2005	4.7	<0.99	20	1.8	860	52	10	<0.99	0.22	980	<0.99	20	14
B124	B124-14Dec05	12/14/2005	4.6	<1.0	51	1.8	840	59	11	<1.0	<0.049	1000	1.3	18	16
B125	B125-14Dec05	12/14/2005	2.8	1.5	54	1.7	420	38	14	3.8	0.73	710	<0.98	31	24
B126	B126-12Dec05	12/12/2005	<2.0	6	110	1.6	46	8.9	23	6.4	<0.048	80	<0.99	29	44
B127	B127-12Dec05	12/12/2005	<2.0	5.4	96	1.7	55	16	20	5	<0.050	240	<1.0	33	40

TABLE 4.4
Summary Results for Metals in Road Base - December 2005
Hitachi GST
San Jose, California

Boring ID	Sample ID	Sample Date	Antimony	Arsenic	Barium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Thallium	Vanadium	Zinc
	Remedial Goal (a, mg/kg):		31	12	5,400	77	120,000	900	3,100	150	23	1,500	5.2 (b)	78	23,000
B128	B128-12Dec05	12/12/2005	<2.0	9	68	1.3	46	9.1	18	9.3	<0.050	62	<0.98	20	36
B129	B129-12Dec05	12/12/2005	<2.0	3	84	1.5	240	21	20	5.9	<0.050	310	<1.0	31	32
B130	B130-14Dec05	12/14/2005	<2.0	<1.0	59	0.94	7.7	7.6	39	2.4	0.056	15	<1.0	44	25
B131	---	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

NS = Not sampled because a sufficient volume of roadbase material could not be obtained for analysis at the sampling location.

mg/kg = milligrams per kilogram.

< = the analyte was not detected above the laboratory detection limit listed.

Only detected metals are shown in the table above.

All results are shown in mg/kg.

Results detected above the reporting limit are shown in **bold**.

(a) Remedial Goals (RGs) as presented in the Corrective Measures Study (CMS) for the Redevelopment Property (*Source: CMS Report, Redevelopment Property, Hitachi Global Storage Technologies, Inc., 5600 Cottle Road, San Jose, California. Prepared by ENVIRON, June 28, 2006: revised August 31, 2006*).

(b) Risk-Based Target Concentrations (RBTCs) for residential land use. For chemicals not detected during previous Site investigations, a RBTC was developed using the exposure assumptions and methodology described in the Current Conditions Report (CCR) (*Source: Draft CCR, Hitachi Global Technologies, Inc., Redevelopment Area and Endicott Boulevard/Tucson Way, 5600 Cottle Road, San Jose, California. Prepared by ENVIRON, July 2005*).

TABLE 4.5
Summary Results for NOA in Native Soil - January 2006
Hitachi GST
San Jose, California

Boring ID	Sample ID	Sample Date	Approximate Depth (ft bgs)	NOA Result (%)
S1	S1-1.5-2.5-16Jan06	01/16/2006	1.5-2.5	ND
	S1-5-6-16Jan06	01/16/2006	5-6	ND
	S1-9-10-16Jan06	01/16/2006	9-10	ND
S2	S2-1.5-2.5-16Jan06	01/16/2006	1.5-2.5	ND
	S2-5-6-16Jan06	01/16/2006	5-6	ND
	S2-9-10-16Jan06	01/16/2006	9-10	ND
S3	S3-1.5-2.5-16Jan06	01/16/2006	1.5-2.5	ND
	S3-5-6-16Jan06	01/16/2006	5-6	ND
	S3-9-10-16Jan06	01/16/2006	9-10	ND
S4	S4-1.5-2.5-16Jan06	01/16/2006	1.5-2.5	ND
	S4-5-6-16Jan06	01/16/2006	5-6	ND
	S4-9-10-16Jan06	01/16/2006	9-10	ND
S5	S5-1.5-2.5-16Jan06	01/16/2006	1.5-2.5	0.5
	S5-5-6-16Jan06	01/16/2006	5-6	ND
	S5-9-10-16Jan06	01/16/2006	9-10	ND
S6	S6-1.5-2.5-16Jan06	01/16/2006	1.5-2.5	ND
	S6-5-6-16Jan06	01/16/2006	5-6	ND
	S6-8.5-9.5-16Jan06	01/16/2006	9-10	ND
S7	S7-1.5-2.5-16Jan06	01/16/2006	1.5-2.5	ND
	S7-5-6-16Jan06	01/16/2006	5-6	ND
	S7-9-10-16Jan06	01/16/2006	9-10	ND
S8	S8-1.5-2.5-16Jan06	01/16/2006	1.5-2.5	ND
	S8-5-6-16Jan06	01/16/2006	5-6	ND
	S8-9-10-16Jan06	01/16/2006	9-10	ND
S9	S9-1.5-2.5-16Jan06	01/16/2006	1.5-2.5	ND
	S9-5-6-16Jan06	01/16/2006	5-6	ND
	S9-9-10-16Jan06	01/16/2006	9-10	ND
S10	S10-1.5-2.5-16Jan06	01/16/2006	1.5-2.5	ND
	S10-5-6-16Jan06	01/16/2006	5-6	ND
	S10-9-10-16Jan06	01/16/2006	9-10	ND

Notes:

All samples analyzed using California Air Resources Board (CARB) 435 Method.

ND = No fibers observed in the sample were determined to be asbestos, in accordance with the CARB 435 Method.

NOA = naturally-occurring asbestos.

ft = feet

bgs = below ground surface

TABLE 4.6
Summary Results for NOA in Orchard South of Building 026 - March 2006
Hitachi GST
San Jose, California

Boring ID	Sample ID	Sample Date	Approximately Depth (ft bgs)	NOA Result (%)
S5-1	S5-1-1.5-2	03/10/2006	1.5-2	3.3
S5-2	S5-2-1.5-2	03/10/2006	1.5-2	4.3
S5-3	S5-3-1.5-2	03/10/2006	1.5-2	3.5
S5-4	S5-4-1.5-2	03/10/2006	1.5-2	5.8
S5-5	S5-5-1.5-2	03/10/2006	1.5-2	8.3
S5-6	S5-6-0.5-1	03/10/2006	0.5-1	15
S5-7	S5-7-0-0.5	03/10/2006	0-0.5	6.5
S5-8	S5-8-1.5-2	03/10/2006	1.5-2	6.8
S5-9	S5-9-1.5-2	03/10/2006	1.5-2	6.3
S5-10	S5-10-1.5-2	03/10/2006	1.5-2	4.3
S5-11	S5-11-1.5-2	03/10/2006	1.5-2	5.5
S5-12	S5-12-1-1.5	03/10/2006	1-1.5	5.0

Notes:

Asbestos analyzed using California Air Resources Board (CARB) 435 Method.

ND = No fibers observed in the sample were determined to be asbestos, in accordance with the CARB 435 Method.

NOA = naturally-occurring asbestos.

ft = feet

bgs = below ground surface

Table 4.7
Summary Results for Additional NOA Sampling Locations
Hitachi GST
San Jose, California

Sample ID	Sample Location	Sample Date	NOA Result (%)	Final Removal Action
P028-Aug3106-01	Soil/Rock beneath Building 028 Parking Lot	8/31/2006	< 0.25	Naturally occurring; below the DTSC action level of 0.25%; left in-place
TWL-1	Landscaping between Tucson Way and railroad tracks	9/21/2006	2.0	Removed and placed in roadbase stockpile
TWP-1	Backfill around pipe found in Tucson Way	9/25/2006	0.75	Removed and placed in roadbase stockpile
026-Unk-1	Subbase beneath sidewalk/roadway east of Building 026	10/17/2006	< 0.25	Removed and placed in roadbase stockpile
TWU-Rock-19Oct06	Backfill around utility in TucsonWay	10/19/2006	0.5	Removed and placed in roadbase stockpile
TWU-BF-19Oct06	Backfill around utility in Tucson Way	10/19/2006	ND	Left in-place
EB-SLBF-1	Backfill around sewer line in Endicott Boulevard	11/1/2006	3.3	Left in-place following approval by City of San Jose and DTSC
SSOL-CAP-1	Concrete cap over Shell Sol system in Tucson Way	11/1/2006	< 0.25	Removed and placed in roadbase stockpile
B028-Subbase	Subbase beneath retrofit portion of Building 028	12/6/2006	1.5	Removed and placed in separate Building 028 NOA stockpile
Pond-Sidewalk-Subbase	Subbase beneath sidewalk near the former Homestead Lake	1/3/2007	1.3	Removed and placed in roadbase stockpile

Notes:

Asbestos analyzed using California Air Resources Board (CARB) 435 Method.

ND = No fibers observed in the sample were determined to be asbestos, in accordance with the CARB 435 Method.

< 0.25 = Asbestos fibers were observed, but no points were counted due to counting criteria defined by the CARB 435 Method.

NOA = naturally-occurring asbestos.

TABLE 4.8
Waste Characterization Results for Orchard South of Building 026 - November 2006
Hitachi GST
San Jose, California

Chemical	STLC (mg/L)	Sample ID	
		S5-4-1	S5-9-1
Nickel	20	4.7	5.1
Hexavalent Chromium	5	< 0.040 (b)	< .040 (b)
	RG (a) (mg/kg)		
Hexavalent Chromium	17	< 4.0 (b)	< 1.6 (b)

Notes:

mg/L = milligrams per liter

mg/kg = milligrams per kilogram

STLC = Soluble Threshold Limit Concentration

STLC results are in mg/L; other results are in mg/kg.

(a) Remedial Goal (RG) as presented in the Corrective Measures Study (CMS) for the Redevelopment Property (Source: CMS Report, Redevelopment Property, Hitachi Global Storage Technologies, Inc., 5600 Cottle Road, San Jose, California. Prepared by ENVIRON, June 28, 2006; revised August 31, 2006).

(b) The reporting limit is elevated due to matrix interferences.