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FINAL TECHNICAL MEMORANDUM

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IMPLEMENTATION REPORT

Tourtelot Cleanup Project
Benicia, California

Version-4

June 18, 2004

Lead Agency:

California Environmental Protection Agency
Department of Toxic Substances Control
Sacramento, California

Prepared By:

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June 18, 2004

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Anthony J. Landis
Chief of Northern California Operations
Office of Military Facilities
8800 Cal Center Drive
Sacramento, California 95826-3200

Subject: Transmittal of Final Technical Memorandum and Implementation Report (Final Report), Tourtelot Cleanup Project, Benicia, California

Dear Mr. Landis:

Enclosed is the Final Technical Memorandum and Implementation Report (Final Report), for the Tourtelot Cleanup Project, Benicia, California. This Final Report has been prepared by Northgate Environmental Management, Inc. on behalf of Pacific Bay Homes, LLC. The Final Report is being submitted in response to the Final Remedial Action Plan (RAP) approved by DTSC on January 29, 2002, the Final Tourtelot Project Site Ordnance and Explosives Remedial Design Document (OERDD) approved by DTSC on March 21, 2002, the Final Tourtelot Project Site Non Ordnance and Explosives Remedial Design Document (Non-OERDD) approved by DTSC on June 7, 2002, and the Final Environmental Impact Report (EIR) certified by DTSC on December 19, 2001.

This Final Report is intended to be the final report documenting the cleanup of ordnance and explosives (OE) and chemically impacted soils (Non-OE) on the Tourtelot Cleanup Project Site, and complies with Section 5.13 of DTSC Order No. I/SE 98/99-011. This Final Report describes the cleanup activities, certifies the completion of the tasks performed, and presents the quality control and quality assurance procedures carried out to meet the intent and requirements of the aforementioned documents.

On behalf of Pacific Bay Homes, we would like to express our appreciation of the hard work and dedication of DTSC staff, management and representatives in the field.

If you have any questions, please contact me at (510) 839-0089 or Mr. Joe Bird at (707) 745-0154.

Sincerely,

REGISTERED PROFESSIONAL ENGINEER
THEODORE SPLITTER
No. 29713
3/31/07
CIVIL
STATE OF CALIFORNIA

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Exhibit 1

STATE OF CALIFORNIA
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF TOXIC SUBSTANCES CONTROL

In the Matter of: Tourtelot Property Benicia, California Responsible Parties: FN Projects, Inc. 135 Main St, 10th Flr. San Francisco, Ca 94105 Pacific Bay Homes, Inc. 4041 MaCarthur Blvd., Ste. 500 Newport Beach, Ca 92660 Granite Management Company 275 Battery St., 23rd Floor San Francisco, Ca 94111 United States Department of the Army C/O U.S. Army Corps of Engineers 1325 J Street Sacramento, Ca 95814-2922	Docket No. I/SE 98/99-011 IMMINENT AND/OR SUBSTANTIAL ENDANGERMENT DETERMINATION AND REMEDIAL ACTION ORDER Health and Safety Code Sections 25358.3(a), 25355.5(b)(3), 58009, and 58010

I. INTRODUCTION

1.1 Parties. The State Department of Toxic Substances Control (Department) issues this Imminent and/or Substantial Endangerment Determination and Remedial Action Order (Order) to FN Projects, Inc., Pacific Bay Homes, Inc., Granite Management Company, United States Department of the Army. Responsible Parties are herein referred to as Respondents. Respondents are jointly and severally responsible for carrying out all actions required by this Order, except for those actions expressly required only of another Respondent or group of Respondents.

1.2 Site. This Order applies to the Site, known as the Tourtelot Property and adjacent property starting at the intersection of Rose Drive and Mc Allister Drive. From that point, the Site extends northward 4000 feet and extends approximately 2800 feet to the east and west. The Site is located in the City of Benicia, Solano County, California. A map showing the Site is attached as Exhibit 1. The list of Assessor

Parcel Number of the Site is attached as Exhibit 2.

1.3 Jurisdiction. Section 25358.3(a) of the Health and Safety Code authorizes the Department to issue an Order when the Department determines that there may be an imminent or substantial endangerment to the public health or welfare or to the environment, because of a release or a threatened release of a hazardous substance.

Section 25355.5(b)(3) of the Health and Safety Code authorizes the Department to expend funds from the Hazardous Substance Account or the Hazardous Substances Cleanup Fund without first taking the action specified in H&SC Section 25355.5(a) of the Health and Safety Code, if the Department determines that removal or remedial action is necessary because there may be an imminent and substantial endangerment to the public health or welfare or the environment.

Sections 58009 and 58010 of the Health and Safety Code authorize the Department to commence and maintain all proper and necessary actions and proceedings to abate public nuisances related to matters within its jurisdiction which are dangerous to health.

II. FINDINGS OF FACT

The Department hereby finds:

2.1 Liability of Respondents.

2.1.1 Respondent FN Projects, Inc., is the current owner of a part of the Site at or from which hazardous substances have been released into the environment.

2.1.2 Respondent Pacific Bay Homes, Inc., is the current owner of a part of the Site at or from which hazardous substances have been released into the environment.

2.1.3 Respondent Granite Management Company is the current owner of a part of the Site at or from which hazardous substances have been released into the environment.

2.1.4 Respondent United States Department of the Army (USDOA) was the operator of the Site at the time when hazardous substances were released into the environment at or from the Site. The USDOA used the Site and surrounding land as a disposal site for ordnance and explosives through the use of open burn/open detonation (OB/OD) or through burial.

2.2 Site History.

2.2.1 The Site is part of the larger Benicia Arsenal Property. The United States Department of the Army leased the Site for several years. The Site is composed of two valleys and

contiguous ridges, approximating 220 acres. The United States Department of the Army terminated the leases during the late 1950s. Part of the Site was obtained in 1971 by developers and the remaining part was obtained in 1981 for development as part of the Southampton residential development.

2.2.2 The Site is bounded to the west and south by residential areas, to the north by open space and the east by light industry. The terrain is composed of grassy hills and valleys with natural drainages (wetlands). The south valley of the property is the site of several disposal operations. Most of the hazardous substances were explosive materials or accellerants, such as primers, ordnance and rocket motors which were disposed of through treatment by OB/OD or burial on-site. The north valley was used as a range to test howitzer barrels through the firing of live ammunition with concrete or gravel filled tips to simulate the weight of the normal explosive tip shells. Additionally, on the north wall of the north valley, Trinitrotoluene (TNT) was disposed of through burning. A number of other disposal areas have been identified by the USDOA which need further evaluation. Several areas of the Site that may have had hazardous substance releases, have been altered due to earthmoving activities related to development of the area for residential use.

2.3 Substances Found at the Site. The following hazardous substances have been found at the Site:

2.3.1 UNEXPLODED ORDNANCE (UXO). UXO is a hazardous substance which has been released into the environment at or from the Site. Types of UXO found to date are 37 mm high explosive (HE), 40 mm HE, 60 mm HE mortar, 76 mm HE armor piercing shell, 2.36 mm rocket motor and others. UXO is a hazardous waste pursuant to Title 22, Cal. Code of Regs., Section 66261.23.

2.3.2 2,4,6-Trinitrotoluene (TNT). TNT disposal strips are readily identified by the lack of vegetation which is growing thickly adjacent to these locations in the north valley. TNT has been found at levels up to 5,400 mg/kg in the north valley of the Site and is listed as a hazardous waste constituent pursuant to Title 22, California Code of Regulations (Cal. Code of Reg.), Division 4.5, Chapter 11, Appendix X.

2.3.3 LEAD. Lead has been found in the south valley of the Site at levels up to 42,200 mg/kg in the soil. Lead is listed as hazardous waste constituent to Title 22, Cal. Code of Regs., Division 4.5, Chapter 11, Appendices VIII and X.

2.4 Health Effects.

2.4.1 UNEXPLODED ORDNANCE (UXO). The improper handling, impact or presences of UXO could cause sudden death, blunt force trauma, or dismemberment. Additionally, smaller pieces of UXO shrapnel with explosive residue could cause injury if improperly handled.

2.4.2 TNT. TNT can produce both local and systemic toxicological effects as well as death and dismemberment due to TNT's sudden reactive capability. TNT has been identified as a potential human carcinogen.

2.4.3 LEAD. Lead has been found in the south valley of the Site at levels which may be injurious to human health and the endangered species California Red-legged Frog and the threatened species California Black Rail. Lead exposure can produce neurological, hematologic and renal adverse effects. Lead has been identified as a persistent and bioaccumulative toxic substance when concentration exceeds the Total Threshold Limit Concentration (TTLC) value of 1000 mg/kg Wet-Weight. The concentration found onsite exceeds this by 42 times. The level identified is above the United States Environmental Protection Agency (U.S. EPA), 1998, Preliminary Remediation Goal.

2.5 Routes of Exposure.

2.5.1 UNEXPLODED ORDNANCE (UXO). Routes of exposure for humans are through direct dermal penetration, blunt force trauma, or dismemberment.

2.5.2 TNT. Routes of exposure are through inhalation, skin contact or ingestion.

2.5.3 LEAD. Routes of exposure are through direct dermal contact with lead-contaminated soils, inhalation or ingestion. Increased exposure can occur during soil excavation, drilling activities, or other earth moving activities. Lead tends to bioacculmulate and can therefore have food chain effects.

2.6 Public Health and/or Environmental Risk.

2.6.1 Currently most of the Site is fenced and security guards are posted at the main entrance to the area. These measures have had limited success in keeping people out of the Site. The TNT contamination extends offsite and is not currently fenced or posted. If UXO is obtained from the Site it could be considered unstable and, depending on how it is handled and where it detonates, this could cause a catastrophic accident.

2.6.2 There is a significantly high concentration of lead found at the suitable habitat of the endangered species known as the California Red-legged Frog and threatened species known as the California Black Rail, which could be detrimental to their health and survival at the Site.

2.6.3 To date there has been limited surface or groundwater sampling at the Site so it is unclear whether the surface water or groundwater quality has been impacted by the OB/OD areas or the TNT strips.

III. CONCLUSIONS OF LAW

3.1 Each of the persons listed in Section 1.1 is a "responsible party" or "liable person," as defined by Health and Safety Code Sections 25323.5 and 25385.1(g), herein referred to as Respondents.

3.2 Each of the substances listed in Section 2.3 is a "hazardous substance" as defined by Health and Safety Code Section 25316, and has been found at the Site.

3.3 A "release" or threatened release of the hazardous substances listed in Section 2.3 has occurred at or from the Site, as defined by Health and Safety Code Section 25320.

3.4 The actual and/or threatened release of hazardous substances at or from the Site may present an imminent or substantial endangerment to the public health or welfare or to the environment.

3.5 The actual and/or threatened release of hazardous substances at or from the Site is also injurious to public health or is an obstruction to the free use of property, and at the same time, affects the entire community where the Site is located.

IV. DETERMINATION

4.1 Based on the foregoing findings of fact and conclusions of law, the Department hereby determines that removal and remedial action is necessary at the Site because there may be an imminent or substantial endangerment to the public health or welfare or to the environment.

4.2 The actual and/or threatened release of hazardous substances at or from the Site constitutes a public nuisance as defined in Civil Code Sections 3479 and 3480.

V. ORDER

Based on the foregoing FINDINGS AND DETERMINATION, IT IS HEREBY ORDERED THAT Respondents conduct the following response activities in the manner specified herein, and in accordance with a schedule specified by the Department as follows:

5.1. All work performed under this Order shall be consistent with and based on the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. 9601 et seq.), as amended, the National Contingency Plan (40 Code of Federal Regulations (CFR) Part 300), as amended, the Health and Safety Code (H&SC) Section 25300 et seq., as amended, state laws

and regulations, as amended, and other current and applicable U.S. EPA and Department guidance and standards.

5.1.1 Removal Actions. Respondents shall undertake removal actions if, at any time during the course of this Order, the Department determines that they are necessary to mitigate the release of hazardous substances at or emanating from the Site or to address UXO which should not be moved. The Department will require Respondents to submit a removal action workplan for the Department's approval. The workplan should include an implementation schedule. Either the Department or Respondents may identify the need for removal actions.

5.1.2 Fence and Post. The Respondents shall implement the following removal actions and be prepared to discuss it at the Site Remediation Strategy Meeting (Section 5.1.3). Within 20 days of the effective date of this Order, Respondents shall submit a workplan to the Department to evaluate the need for fencing and posting those parts of the Site where contamination has migrated beyond the currently fenced area. These known areas are the OB/OD area kick out zone and the TNT disposal strips. The workplan shall include an implementation schedule.

5.1.3 Site Remediation Strategy Meeting. The Respondents, including the Project Coordinator (Section 6.1) and Project Engineer/Geologist (Section 6.2), shall meet with the Department within 20 days from the effective date of the Order, to discuss the Site remediation strategy. The discussion will include Site risks and priorities; project planning, phasing and scheduling, remedial action objectives, remedial technologies, data quality objectives, and the Remedial Investigation/Feasibility Study (RI/FS) workplan. Results of the discussion shall be included in the Scoping Document, required under Section 5.2.2(b) of this Order.

5.2 Remedial Investigation/Feasibility Study. A RI/FS shall be conducted for the Site. The RI/FS may be performed as a series of focused RI/FSs, if appropriate, based on Site priorities. The RI/FS shall be prepared consistent with the U.S. EPA's "Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA," October 1988. The purpose of the RI/FS is to assess Site conditions and to evaluate alternatives to the extent necessary to select a remedy appropriate for the Site. RI and FS activities shall be conducted concurrently and iteratively so that the investigations can be completed expeditiously. Because of the unknown nature of the Site and iterative nature of the RI/FS, additional data requirements and analyses may be identified throughout the process. The Respondents shall fulfill additional data and analysis needs identified by the Department; these additional data and analysis requests will be consistent with the general scope and objectives of the Order.

The following elements of the RI/FS process and those defined by the Department shall be preliminarily defined in the initial Site scoping and refined and modified as additional information is gathered throughout the RI/FS process.

(a) Conceptual Site Model identifying contamination sources, exposure pathways, and receptors;

(b) Federal, State and local remedial action objectives including applicable or relevant and appropriate requirements;

(c) Project phasing including the identification of removal actions and operable units;

(d) General response actions and associated remedial technology types; and

(e) The need for treatability studies.

5.2.1 RI/FS Objectives. The objectives of the RI/FS are to:

(a) Determine the nature and full extent of hazardous substance contamination of air, soil, surface water and groundwater at the Site and contamination from the Site, including offsite areas affected by the Site;

(b) Identify all actual and potential exposure pathways and routes through environmental media;

(c) Determine the magnitude and probability of actual or potential harm to public health, safety or welfare or to the environment posed by the threatened or actual release of hazardous substances at or from the Site;

(d) Identify and evaluate appropriate response measures to prevent or minimize future releases and mitigate any releases which have already occurred;

(e) Develop remedial action objectives for soil which are protective of adults and children in a residential exposure scenario;

(f) Insure areas where Ordnance may have come to be placed, there is a minimum of 10 feet of UXO free soil to remain on or near surface or a minimum of 4 feet of UXO free soil at a depth beyond the lowest estimated area of excavation if any excavation extends beyond 6 feet; and

(g) Collect and evaluate the information necessary to prepare a final remedial action plan (Final RAP) in accordance with the requirements of Health and Safety Code Section 25356.1.

5.2.2 RI/FS Workplan. Within 60 days from the date the Order is signed, Respondents shall prepare and submit to the Department for review and approval a detailed RI/FS Workplan and implementation schedule which covers all the activities necessary to conduct a complete RI/FS at or from the Site and any offsite areas where there is a release, may have been a release or threatened release of hazardous substances from the Site.

These RI/FS Workplans shall include a detailed description of the tasks to be performed, information or data needed for each task, and the deliverables which will be submitted to the Department. Either the Respondents or the Department may identify the need for additional work.

These RI/FS Workplan deliverables are discussed in the remainder of this Section, with a schedule for implementation, and monthly reports. The RI/FS Workplans shall include all the sections listed below.

(a) Project Management Plan. The Project Management Plan shall define relationships and responsibilities for major tasks and project management items by Respondents, its contractors, subcontractors, consultants, and reporting relationships. The plan shall include an organization chart with the names and titles of key personnel and a description of their individual responsibilities.

(b) Scoping Document. The Scoping Document shall incorporate program goals, program management principles, and expectations contained in the National Contingency Plan (NCP). It shall include:

(1) An analysis and summary of the Site background and the physical setting. At a minimum, the following information is required:

(A) A map of the Site, and if they exist, aerial photographs and blueprints showing buildings and structures;

(B) A detailed description of past disposal practices and earthwork;

(c) A list of all hazardous substances, materials or wastes which were disposed, discharged, spilled, treated, stored, transferred, transported, handled or used at the Site, and a description of their estimated volumes, concentrations, and characteristics; and

(D) A description of hazardous substance characteristics; and,

(E) If applicable, a description of all current and past manufacturing processes which are or were related to each hazardous substance, material or waste.

(2) An analysis and summary of previous response actions including a summary of all existing data including air, soil, surface water, and groundwater data and the Quality Assurance/Quality Control (QA/QC) procedures which were followed;

(3) Presentation of the Conceptual Site Model;

(4) The scope and objectives of RI/FS activities; and

(5) Preliminary identification of possible response actions and the data needed for the evaluation of alternatives. Removal actions shall be proposed if needed based on the initial evaluation of threats to public health and the environment. If remedial actions involving treatment can be identified, treatability studies shall be conducted during the characterization phase, unless the Respondents and the Department agree that such studies are unnecessary;

(6) If applicable, initial presentation of the Site Remediation Strategy.

(c) Field Sampling and Geophysical Plan. The Field Sampling Plan shall include:

(1) Sampling objectives, including a brief description of data gaps and how the field sampling plan will address these gaps;

(2) Sample locations, including a map showing these locations, and proposed frequency;

(3) Sample designation or numbering system;

(4) Detailed specification of sampling equipment and procedures;

(5) Sample handling and analysis including preservation methods, shipping requirements and holding times; and

(6) Management plan for wastes generated.

(d) Quality Assurance Project Plan. The plan shall include:

(1) Project organization and responsibilities with respect to sampling and analysis;

(2) Quality assurance objectives for measurement including accuracy, precision, and method detection limits. In selecting analytical methods, the Respondents shall consider obtaining detection limits at or below potential ARARs, such as Maximum Contaminant Levels or Maximum Contaminant Level Goals;

(3) Sampling procedures;

(4) Sample custody procedures and documentation;

(5) Field and laboratory calibration procedures;

(6) Analytical procedures;

(7) Laboratory to be used certified pursuant to H&SC Section 25198;

(8) Specific routine procedures used to assess data (precision, accuracy and completeness) and corrective actions;

(9) Reporting procedure for measurement of system performance and data quality;

(10) Data management, data reduction, validation and reporting, including any computer algorithms. Information shall be accessible to downloading into the Department's system; and

(11) Internal quality control.

(e) Health and Safety Plan. A Site-specific Health and Safety Plan shall be prepared in accordance with federal (29 CFR 1910.120) and state (Title 8 Cal. Code of Regs. Section 5192) regulations and shall describe the following:

(1) Field activities including work tasks, objectives, and personnel requirements and a description of hazardous substances on the Site;

(2) Respondents key personnel and responsibilities;

(3) Potential hazards to workers including chemical hazards, physical hazards, confined spaces and climatic conditions;

(4) Potential risks arising from the work being performed including the impact to workers, the community and the environment;

(5) Exposure monitoring plan;

(6) Personal protective equipment and engineering controls;

(7) Site controls including work zones and security measures;

(8) Decontamination procedures;

(9) General safe work practices;

(10) Sanitation facilities;

(11) Standard operating procedures;

(12) Emergency response plan covering workers addressing potential hazardous material releases;

(13) Training requirements;

(14) Medical surveillance program; and

(15) Record keeping.

(f) Other Activities. A description of any other significant activities which are appropriate to complete the RI/FS shall be included.

(1) The UXO remedial investigation work plan will incorporate the state of the art investigative techniques.

(2) The Ordnance investigation and remediation plan will be Site specific and be consistent with DOD 6055.9-STD (DOD AMMUNITION AND EXPLOSIVES SAFETY STANDARDS) and the Munitions rules for wastes to be transported offsite.

(3) The Feasibility Study will evaluate various treatment options for UXO anticipated to be found.

(g) Schedule. A schedule which provides specific time frames and dates for completion of each activity and report conducted or submitted under the RI/FS Workplan including the schedules for removal actions and operable unit activities.

(h) UXO RI/FS Workplan. Within 60 days of the effective date of this Order, the Respondents shall submit to the Department an UXO RI/FS Workplan to address the investigation and handling of UXO found during the investigation at the Site.

5.2.3 RI/FS Workplan Implementation. Respondents shall implement the approved RI/FS Workplan.

5.2.4 RI/FS Workplan Revisions. Prior to modifying the method or initiating new activities which have not been approved by the Department, the Respondents shall

prepare an addendum to the approved plan(s) for Department review and approval for Field Sampling Plan, Health and Safety Plan, Quality Assurance Project Plan or other necessary procedures/plans to establish the activities.

5.3 Interim Screening and Evaluation of Remedial Technologies. At the request of the Department, the Respondents shall submit an interim document which identifies and evaluates potentially suitable remedial technologies and recommendations for treatability studies.

5.4 Treatability Studies. Treatability testing will be performed by the Respondents to develop data for the detailed remedial alternatives. Treatability testing is required to demonstrate the implement ability and effectiveness of technologies, unless the Respondents can show the Department that similar data or documentation or information exists. The required deliverables are: a workplan, a sampling and analysis plan, and a treatability evaluation report. To the extent practicable, treatability studies will be proposed and implemented during the latter part of Site characterization.

5.5 Remedial Investigation (RI) Report. The RI Report shall be prepared and submitted by the Respondents to the Department for review and approval in accordance with the approved RI/FS workplan schedule. The purpose of the RI is to collect data necessary to adequately characterize the Site for the purposes of defining risks to public health and the environment and developing and evaluating effective remedial alternatives. Site characterization may be conducted in one or more phases to focus sampling efforts and increase the efficiency of the investigation. The Respondents shall identify the sources of contamination and define the nature, extent, and volume of the contamination. Using this information, the contaminant fate and transport shall be evaluated. The RI Report shall contain:

(a) Site Physical Characteristics. Data on the physical characteristics of the Site and surrounding area shall be collected to the extent necessary to define potential transport pathways and receptor populations and to provide sufficient engineering data for development and screening of remedial action alternatives.

(b) Sources of Contamination. Contamination sources (including contaminated media) shall be defined. The data shall include the source locations, type of containment, waste characteristics, and Site features related to contaminant migration and human exposure.

(c) Nature and Extent of Contamination. Contaminants shall be identified and the horizontal and vertical extent of contamination shall be defined in soil,

groundwater, surface water, sediment, air, and biota. Spatial and temporal trends and the fate and transport of contamination shall be evaluated.

5.6 Health and Ecological Risk Assessment. The Respondents shall submit a Health and Ecological Risk Assessment Report within 30 days from the submittal of the RI Report. The report shall be prepared consistent with U.S. EPA and Department guidance and regulations, including as a minimum: Risk Assessment Guidance for Superfund, Volume 1; Human Health Evaluation Manual, December 1989; Superfund Exposure Assessment Manual, April 1988; Risk Assessment Guidance for Superfund, Volume 2, Environmental Evaluation Manual, March 1989; and Health and Safety Code Section 25356.1.5. The Health and Ecological Risk Assessment Report shall include the following components:

(a) Contaminant Identification. Characterization data shall be screened to identify contaminants of concern in order to focus subsequent efforts of the risk assessment process.

(b) Environmental Evaluation. An ecological assessment consisting of:

(1) Identification of sensitive environments and rare, threatened, or endangered species and their habitats; and

(2) As appropriate, ecological investigations to assess the actual or potential effects on the environment and/or develop remediation criteria.

(c) Exposure Assessment. The objectives of an exposure assessment are to identify actual or potential exposure pathways, to characterize the potentially exposed populations, and to determine the extent of the exposure.

(d) Toxicity Assessment. Respondents shall evaluate the types of adverse health or environmental effects associated with individual and multiple chemical exposures; the relationship between magnitude of exposures and adverse effects; and related uncertainties such as the weight of evidence for a chemical's potential carcinogenicity in humans.

(e) Risk Characterization. Risk characterization now includes the potential risks of adverse health or environmental effects for each of the exposure scenarios derived in the exposure assessment.

5.7 Feasibility Study (FS) Report. The FS Report shall be prepared and submitted by the Respondents to the Department for review and approval, no later than 45 days from submittal of the RI Report. The FS Report shall summarize the results of the FS including the following:

(a) Documentation of all treatability studies conducted.

(b) Development of medium specific or operable unit specific remedial action objectives, including ARARs.

(c) Identification and screening of treatment options for UXO treatment onsite or offsite.

(d) Identification and screening of general response actions, remedial technologies, and process options on a medium and/or operable unit specific basis.

(e) Discussion of any required deed restrictions, or other institutional controls.

(f) Evaluation of alternatives based on the criteria contained in the National Contingency Plan and H&SC Section 25356.1 including:

Threshold Criteria:

(1) Overall protection of human health and the environment.

(2) Compliance with all applicable state, federal and local requirements.

Primary Balancing Criteria:

(1) Long-term effectiveness and permanence.

(2) Reduction of toxicity, mobility, or volume through treatment.

(3) Short-term effectiveness.

(4) Implement ability based on technical and administrative feasibility.

(5) Cost.

Modifying Criteria:

(1) State and local agency acceptance.

(2) Community acceptance.

(3) Proposed remedial actions.

5.8 Public Participation Plan (Community Relations). The Respondents shall work cooperatively with the Department in ensuring that the affected public and community are involved in the Department's decision-making process. Any such public participation activities shall be conducted in accordance with H&SC Sections 25356.1(e) and 25358.7, the Department's Public Participation Policy and Guidance Manual, and with the Department's review and approval.

The Respondents, in coordination with the Department, shall assess the community and develop a Public Participation Plan (PPP) which describes how, under the Order, the public and adjoining community will be kept informed of activities conducted at the Site and how the Respondents will be responding to inquiries from concerned citizens. Major steps in developing a PPP are as follows:

(a) Develop proposed list of interviewees;

(b) Schedule and conduct community interviews; and

(c) Analyze interview notes, and develop objectives.

The Respondents shall submit the PPP for the Department's review within 40 days of the effective date of the Order.

The Respondents shall develop and submit fact sheets to the Department for review and approval when key milestones are projected and/or completed or when specifically requested by the Department. Respondents shall be responsible for distribution of fact sheets using the approved community mailing list.

5.9 California Environmental Quality Act (CEQA). The Department will comply with the California Environmental Quality Act (CEQA) for all activities required by this Order that are projects subject to CEQA. Respondents shall provide, upon the Department's request, all information necessary to facilitate the Department's preparation of the CEQA documentation. Based on the results of an Initial Study prepared by the Department, a Negative Declaration or Environmental Impact Report (EIR) shall be prepared. If the Department determines that an EIR is required, Respondents shall either enter into a third party Memorandum of Understanding with the Department to facilitate the preparation of the EIR, or reimburse the Department for all costs associated with the preparation of the EIR.

5.10 Remedial Action Plan. No later than 30 days after Department approval of the FS Report, the Respondents shall prepare and submit to the Department a draft RAP. The draft RAP shall be consistent with the NCP and H&SC Section 25356.1, et seq. The draft RAP public review process may be combined with that of any other documents required by CEQA. The draft RAP shall be based on and summarize the approved RI/FS Reports, and shall clearly set forth:

(a) Health and safety risks posed by the conditions at the Site.

(b) The effect of contamination or pollution levels upon present, future, and probable beneficial uses of contaminated, polluted, or threatened resources.

(c) The effect of alternative remedial action measures on the reasonable availability of groundwater resources for present, future, and probable beneficial uses.

(d) Site specific characteristics, including the potential for offsite migration of hazardous substances, the surface or subsurface soil, and the hydrogeologic conditions, as well as preexisting background contamination levels.

(e) Cost-effectiveness of alternative remedial action measures. Land disposal shall not be deemed the most cost-effective measure merely on the basis of lower short-term cost.

(f) The potential environmental impacts of alternative remedial action measures, including, but not limited to, land disposal of the untreated hazardous substances as opposed to treatment of the hazardous substances to remove or reduce its volume, toxicity, or mobility prior to disposal.

(g) A statement of reasons setting forth the basis for the removal and remedial actions selected. The statement shall include an evaluation of each proposed alternative submitted and evaluate the consistency of the removal and remedial actions proposed by the plan with the federal regulations and factors specified in subdivision (d) of H&SC Section 25356.1, if these factors are not otherwise adequately addressed through compliance with the federal regulations. The statement shall also include a proposed Nonbinding Preliminary Allocation of Responsibility (NBAR) for all identified responsible parties.

(h) A schedule for implementation of all proposed removal and remedial actions.

(I) The implementation activities conducted pursuant to the Interim UXO RAP as approved by the Department under Section 5.10.1 of this Order.

In conjunction with the Department, Respondents shall implement the public participation process specified in Health and Safety Code Sections 25356.1 (e) and 25358.7. Within 10 days of closure of the public comment period, Respondents shall submit a written Responsiveness Summary of all written and oral comments presented and received during the public comment period.

Following the Department's review and finalization of the Responsiveness Summary, the Department will specify any changes to be made in the RAP. Respondents shall modify the document in accordance with the Department's specifications and submit a final RAP within 15 days of receipt of the Department's comments.

5.10.1 Interim UXO Remedial Action Plan. No later than 30 days after Respondents receive the Department's approval of the UXO RI/FS Workplan, Respondents shall prepare and submit to the Department a draft Interim UXO RAP. The draft Interim UXO RAP shall be consistent with the NCP and H&SC Section 25356.1, et seq. If feasible, the draft Interim UXO RAP public participation process may be combined with that of any other documents required by CEQA. The Draft Interim UXO RAP shall be based on and summarize the approved UXO RI/FS Workplan, and shall clearly set forth:

(a) Health and safety risks posed by the conditions at the Site.

(b) The effectiveness of alternative investigative techniques.

(c) Site specific characteristics and criteria will be used in deciding whether to dig and blow in place (BIP) or removal of the waste for offsite disposal, including the potential for impacts to the surrounding neighborhoods, schedules of the activities (digging/BIP), and duration.

(d) Cost-effectiveness of alternative investigative techniques (Multi-spectral towed arrays, remote sensing or other advance technology).

(e) OD/OB for UXO disposal which is found shall not be deemed the most cost-effective measure merely on the basis of lower short-term cost. All options need to be evaluated from onsite treatment (e.g. closed treatment systems, blast boxes) to offsite treatment/disposal.

(f) A statement of reasons setting forth the basis for the removal and remedial actions selected. The statement shall include an evaluation of each proposed alternative submitted and evaluate the consistency of the removal and remedial actions proposed by the plan with the federal regulations and factors specified in subdivision (d) of H&SC Section 25356.1, if these

factors are not otherwise adequately addressed through compliance with the federal regulations. The statement shall also include a proposed Nonbinding Preliminary Allocation of Responsibility for all identified responsible parties.

(h) A schedule for implementation of all proposed removal and remedial actions. Respondents shall implement the Interim UXO RAP as approved by the Department in accordance with the Department - Approved schedule.

5.11 Remedial Design. Within 60 days after Department approval of the final RAP, Respondents shall submit to the Department for review and approval a Remedial Design describing in detail the technical and operational plans for implementation of the final RAP which includes the following elements, as applicable:

(a) Design criteria, process unit and pipe sizing calculations, process diagrams, and final plans and specifications for facilities to be constructed.

(b) Description of equipment used to excavate, handle, and transport contaminated material.

(c) A field sampling and laboratory analysis plan addressing sampling during implementation and to confirm achievement of the performance objectives of the RAP.

(d) A transportation plan identifying routes of travel and final destination of wastes generated and disposed, and including approvals from California Department of Transportation, California Highway Patrol and any other local, state, or federal agency.

(e) For groundwater extraction systems: aquifer test results, capture zone calculations, specifications for extraction and performance monitoring wells, and a plan to demonstrate that capture is achieved.

(f) An updated health and safety plan addressing the implementation activities.

(g) Identification of any necessary permits and agreements.

(h) An operation and maintenance plan including any required monitoring.

(I) A detailed schedule for implementation of the remedial action consistent with the schedule contained in the approved RAP including procurement, mobilization, construction phasing, sampling, facility startup, and testing.

5.12 Deed Restrictions. If the approved remedy in the Final RAP includes deed restrictions or other institutional controls. Respondents shall sign and record deed restrictions or implement other institutional controls approved by the Department within 90 days of the Department's approval of the final RAP.

5.13 Implementation of Final Remedial Action Plan. Upon Department approval of the Remedial Design (RD), Respondents shall implement the final RAP as approved. Within 30 days of completion of field activities, Respondents shall submit an Implementation Report documenting the implementation of the Final RAP and RD.

5.14 Operation and Maintenance (O&M). Respondents shall comply with all operation and maintenance requirements in accordance with the final RAP and approved Remedial Design (RD). O&M Agreements, which include financial assurance, must be entered into with the Department prior to certification of the Site.

5.15 Five-Year Review. Respondents shall review and reevaluate the remedial action after a period of one (1) year and every year thereafter for five years, then every 3 years thereafter. The review will start after the completion of construction and startup. The review and reevaluation shall be conducted to determine if human health and the environment are being protected by the remedial action. Within thirty (30) calendar days before the end of the time period approved by the Department to review and reevaluate the remedial action, Respondents shall submit a remedial action review workplan to the Department for review and approval. Within sixty (60) days of the Department's approval of the workplan, Respondents shall implement the workplan and shall submit a comprehensive report of the results of the remedial action review. The report shall describe the results of all sample analyses, tests and other data generated or received by Respondents and evaluate the adequacy of the implemented remedy in protecting public health, safety and the environment. As a result of any review performed under this Section, Respondents may be required to perform additional work or to modify work previously performed.

5.16 Changes During Implementation of the Final RAP. During the implementation of the final RAP and RD, the Department may specify such additions, modifications, and revisions to the RD as deemed necessary to protect public health and safety or the environment or to implement the RAP.

5.17 Stop Work Order. In the event that the Department determines that any activity (whether or not pursued in compliance with this Order) may pose an imminent or substantial endangerment to the health or safety of people on the Site or in the surrounding area or to the environment, the Department may order Respondents to stop further implementation of this Order for such period of time needed to abate the endangerment. In the event that the Department determines that any Site activities (whether or not pursued in compliance with this Order) are proceeding without Department authorization, the Department may order Respondents to stop further implementation of this Order or activity for such period of time needed to obtain Department authorization, if such authorization is appropriate. Any deadline in this Order directly affected by a Stop Work Order, under this Section, shall be extended for the term of the Stop Work Order.

5.18 Emergency Response Action/Notification. In the event of any action or occurrence (such as a fire, earthquake, explosion, or human exposure to hazardous substances caused by the release or threatened release of a hazardous substance) during the course of this Order, Respondents shall immediately take all appropriate action to prevent, abate, or minimize such emergency, release, or immediate threat of release and shall immediately notify the Project Manager. Respondents shall take such action in consultation with the Project Manager and in accordance with all applicable provisions of this Order. Within seven days of the onset of such an event, Respondents shall furnish a report to the Department, signed by the Respondents' Project Coordinator, setting forth the events which occurred and the measures taken in the response thereto. In the event that Respondents fail to take appropriate response and the Department takes the action instead, Respondents shall be liable to the Department for all costs of the response action. Nothing in this section shall be deemed to limit any other notification requirement to which the Respondents may be subject.

5.19 Discontinuation of Remedial Technology. Any remedial technology employed in implementation of the final RAP shall be left in place and operated by Respondents until and except to the extent that the Department authorizes Respondents in writing to discontinue, move or modify some or all of the remedial technology because Respondents has met the criteria specified in the final RAP for its discontinuance, or because the modifications would better achieve the goals of the final RAP.

5.20 Additional Work. The Department may determine that in addition to tasks defined in the initially approved workplan or plans, other additional work may be necessary to accomplish the objectives of this Order. The Department may require Respondents to perform these response actions in addition to those required by the initially approved workplan or plans, including any approved modifications, if it determines that such actions are necessary. Respondents shall confirm their willingness to perform the additional work in writing to the Department within

seven (7) days of receipt of the Department request's. Respondents shall implement the additional tasks which the Department determines are necessary. The additional work shall be completed according to the standards, specifications, and schedule set forth or approved by the Department in a written modification to the workplan or plans. The Department reserves the right to conduct the work itself at any point, to seek reimbursement from Respondents and to seek any other appropriate relief.

If, any time during performance of the work under this Order, Respondents identify a need for additional data or additional response actions, a memorandum documenting the need for additional data or response actions shall be submitted to the Department within 30 days of identification. The Department in its discretion will determine whether the additional data will be collected or additional response actions will be taken, and whether such data or actions will be incorporated into reports and deliverables.

5.21 Communication and Coordination Plan (CCP). Within thirty (30) days of the effective date of this Order, Respondents shall submit a CCP which specifies the requirements and procedures by which the Respondents will communicate and coordinate with one another in carrying out the requirements of this Order, to Department for its approval. Respondent shall designate one single Project Coordinator for the purposes of communicating with the Department and submittal of documents.

The CCP shall contain at a minimum the following:

A. Communication Strategy

The Respondents shall specify how the single Project Coordinator and the individual Respondents will communicate and disseminate information relative to the Order. The name, title, address, e-mail address, and telephone number of the primary contact person for each of the Respondents shall be included in the communication strategy.

B. Coordination of Efforts.

The Respondents shall describe with specificity how the technical, financial, and administrative requirements of the Order are to be coordinated and distributed among and performed by the Respondents. The CCP shall describe the obligations of each and every Respondent in full.

A duly authorized representative of each Respondent shall sign the CCP prior to the submission of the CCP to the Department. Failure of any Respondent to sign the CCP will constitute a violation of the Order by that Respondent.

The Respondents shall submit all proposed changes or amendments to the CCP to Department for approval.

The CCP as approved by the Department shall be incorporated into and enforceable under the Order.

VI. GENERAL PROVISIONS

6.1 Project Coordinator. Within 10 days from the date the Order is signed by the Department, Respondents shall submit to the Department in writing the name, address, and telephone number of a Project Coordinator whose responsibilities will be to receive all notices, comments, approvals, and other communications from the Department. Respondents shall promptly notify the Department of any change in the identity of the Project Coordinator.

6.2 Project Engineer/Geologist. The work performed pursuant to this Order shall be under the direction and supervision of a qualified professional engineer or a registered geologist in the State of California, with expertise in hazardous substance Site cleanup. Within 15 calendar days of the effective date of this Order, Respondents must submit: a) The name and address of the project engineer or geologist chosen by the Respondents; and b) in order to demonstrate expertise in hazardous substance cleanup, the resume of the engineer or geologist, and the statement of qualifications of the consulting firm responsible for the work. Respondents shall promptly notify the Department of any change in the identity of the Project Engineer/Geologist.

6.2.1 Project Ordnance and Explosive Safety Expert. The UXO work performed pursuant to this Order shall be under the direction and supervision of a qualified professional with expertise in the recognition, detection, handling and disposal methods of UXO. The professional should have an adequate understanding of the Department of Defense Explosives Safety Board Guidelines and be recognized by the United States Corps of Engineers as capable to do the necessary UXO work required under this Order. Within 15 calendar days of the effective date of this Order, Respondents must submit: a) The name and address of the Project Ordnance and Explosive Safety Expert chosen by the Respondents; and b) in order to demonstrate expertise in UXO cleanup, the resume of the Ordnance and Explosive Safety Expert, and the statement of qualifications of any consults responsible for the work. Respondents shall promptly notify the Department of any change in the identity of the Project Ordnance and Explosive Safety Expert.

6.3 Monthly Summary Reports. Within 30 days from the date the Order is signed by the Department, and on a monthly basis thereafter, Respondents shall submit a Monthly Summary Report of its activities under the provisions of this Order. The report shall be received by the Department by the 15th day of each month and shall describe:

(a) Specific actions taken by or on behalf of Respondents during the previous calendar month;

(b) Actions expected to be undertaken during the current calendar month;

(c) All planned activities for the next month;

(d) Any requirements under this Order that were not completed;

(e) Any problems or anticipated problems in complying with this Order; and

(f) All results of sample analyses, tests, and other data generated under the Order during the previous calendar month, and any significant findings from these data.

6.4 Quality Control/Quality Assurance (QC/QA). All sampling and analysis conducted by Respondents under this Order shall be performed in accordance with the QC/QA procedures submitted by Respondents and approved by the Department pursuant to this Order.

6.5 Submittals. All submittals and notifications from Respondents required by this Order shall be sent simultaneously to:

Mr. Anthony J. Landis, P.E., Chief
Department of Toxic Substances Control
Northern California-Office of Military Operations
10151 Croydon Way, Suite 3
Sacramento, California 95827-2106
Attention: David Price-Project Manager

Executive Officer Loretta Barsamian
Central California
Regional Water Quality Control Board
2101 Webster Street, Suite 500
Oakland, California 94612
Attention: Dennis A. Mishek

Mr. Birgitta Corsello, Director
Solano County Environmental Management
601 Texas Street
Fairfield, California 94533-6301

Ms. Heather McLaughlin, City Attorney
City of Benicia
250 East L Street
Benicia, California 94510

6.6 Communications. All approvals and decisions of the Department made regarding submittals and notifications will be communicated to Respondents in writing by the Site Mitigation

Branch Chief, Department of Toxic Substances Control, or his/her designee. No informal advice, guidance, suggestions or comments by the Department regarding reports, plans, specifications, schedules or any other writings by Respondents shall be construed to relieve Respondents of the obligation to obtain such formal approvals as may be required.

6.7 Department Review and Approval. (a) If the Department determines that any report, plan, schedule or other document submitted for approval pursuant to this Order fails to comply with this Order or fails to protect public health or safety or the environment, the Department may:

(1) Modify the document as deemed necessary and approve the document as modified; or

(2) Return comments to Respondents with recommended changes and a date by which Respondents must submit to the Department a revised document incorporating the recommended changes.

(b) Any modifications, comments or other directive issued pursuant to (a) above, are incorporated into this Order. Any noncompliance with these modifications or directives shall be deemed a failure or refusal to comply with this Order.

6.8 Compliance with Applicable Laws. Respondents shall carry out this Order in compliance with all applicable state, local, and federal requirements including, but not limited to, requirements to obtain permits and to assure worker safety.

6.9 Respondents Liabilities. Nothing in this Order shall constitute or be construed as a satisfaction or release from liability for any conditions or claims arising as a result of past, current or future operations of Respondents. Nothing in this Order is intended or shall be construed to limit the rights of any of the parties with respect to claims arising out of or relating to the deposit or disposal at any other location of substances removed from the Site. Nothing in this Order is intended or shall be construed to limit or preclude the Department from taking any action authorized by law to protect public health or safety or the environment and recovering the cost thereof. Notwithstanding compliance with the terms of this Order, Respondents may be required to take further actions as are necessary to protect public health and the environment.

6.10 Site Access. Access to the Site and laboratories used for analyses of samples under this Order shall be provided at all reasonable times to employees, contractors, and consultants of the Department. Nothing in this Section is intended or shall be construed to limit in any way the right of entry or inspection that the Department or any other agency may otherwise have by operation of any law. The Department and its authorized

representatives shall have the authority to enter and move freely about all property at the Site at all reasonable times for purposes including, but not limited to: inspecting records, operating logs, sampling and analytic data, and contracts relating to this Site; reviewing the progress of Respondents in carrying out the terms of this Order; conducting such tests as the Department may deem necessary; and verifying the data submitted to the Department by Respondents.

If the Site, or any off-site area to which access is needed for any work required by this Order, is owned in whole or in part by parties other than Respondents, Respondents shall obtain, or use their best efforts to obtain, site access agreements from the present owner(s). Such agreements shall provide access for the Department and its authorized representatives in accordance with Section 6.10 of this Order, and such agreements shall specify that Respondents are not Department representatives with respect to liability associated with site activities. Copies of such agreements shall be provided to the Department prior to Respondents' initiation of field activities. Respondents' best efforts shall include providing reasonable compensation to any off-site property owner in consideration of access. If Respondents are unable to obtain any access agreements required in this Order to comply with the schedule approved by the Department, Respondents shall immediately notify the Department of their failure to obtain access. The Department may obtain access for Respondents to perform those tasks or activities, and Respondents shall reimburse the Department for all costs and attorney fees incurred by the Department to obtain access for Respondents pursuant to this Section.

6.11 Site Access for Respondents. The Respondents who are owners or operators of the Site shall grant access to other Respondents who are in compliance with this Order for the purpose of conducting activities pursuant to this Order or for activities deemed necessary by the Department to meet the objectives of this Order.

6.12 Sampling, Data and Document Availability. Respondents shall permit the Department and its authorized representatives to inspect and copy all sampling, testing, monitoring or other data generated by Respondents or on Respondents' behalf in any way pertaining to work undertaken pursuant to this Order. Respondents shall submit all such data upon the request of the Department. Copies shall be provided within 7 days of receipt of the Department's written request. Respondents shall inform the Department at least 7 days in advance of all field sampling under this Order, and shall allow the Department and its authorized representatives to take duplicates of any samples collected by Respondents pursuant to this Order. Respondents shall maintain a central depository of the data, reports, and other documents prepared pursuant to this Order.

6.13 Record Retention. All such data, reports and other documents shall be preserved by Respondents for a minimum of ten years after the conclusion of all activities under this Order. If the Department requests that some or all of these documents be preserved for a longer period of time, Respondents shall either comply with that request or deliver the documents to the Department, or permit the Department to copy the documents prior to destruction. Respondents shall notify the Department in writing, at least six months prior to destroying any documents prepared pursuant to this Order.

6.14 Government Liabilities. The State of California shall not be liable for any injuries or damages to persons or property resulting from acts or omissions by Respondents, or related parties specified in Section 6.24, Parties Bound, in carrying out activities pursuant to this Order, nor shall the State of California be held as party to any contract entered into by Respondents or their agents in carrying out activities pursuant to this Order.

6.15 Additional Actions. By issuance of this Order, the Department does not waive the right to take any further actions authorized by law.

6.16 Extension Requests. If Respondents is unable to perform any activity or submit any document within the time required under this Order, Respondents may, prior to expiration of the time, request an extension of the time in writing. The extension request shall include a justification for the delay. All such requests shall be in advance of the date on which the activity or document is due.

6.17 Extension Approvals. If the Department determines that good cause exists for an extension, it will grant the request and specify a new schedule in writing. Respondents shall comply with the new schedule incorporated in this Order.

6.18 Cost Recovery. Respondents are liable for all of the Department's costs incurred in responding to the contamination at the Site (including costs of overseeing response work performed by the Respondents) and costs to be incurred in the future. Cost recovery may be pursued by the Department under CERCLA, Health and Safety Code Section 25360, or any other applicable state or federal statute or common law.

6.19 Payment of Costs. The Department will bill Respondents quarterly. Respondents shall pay the Department within sixty (60) days of receipt of the Department's billing. Any billing not paid within sixty (60) days is subject to interest calculated from the date of the billing pursuant to H&SC section 25360.1. All payments made by the Respondents pursuant to this Order shall be by cashier's or certified check made

payable to the "Department of Toxic Substances Control," and shall bear on the face the project code of the Site and the Docket number of the Order. Payments shall be sent to:

Department of Toxic Substances Control
Accounting/Cashier
400 P Street, 4th Floor
P.O. Box 806
Sacramento, California 95812-0806

A photocopy of all payment checks shall also be sent to the person designated by the Department to receive submittal under this Order.

6.20 Severability. The requirements of this Order are severable, and Respondents shall comply with each and every provision hereof, notwithstanding the effectiveness of any other provision.

6.21 Indemnification. Respondents shall indemnify and hold the State of California, its agencies, departments, agents, and employees, harmless from any and all claims or causes of action arising from or on account of acts or omissions of Respondents, or related parties specified in Section 6.27 (Parties Bound), in carrying out the activities under this Order. The State of California or authorized representative thereof shall not be held as a party to any contract entered into by Respondents in carrying out activities under this Order.

6.22 Financial Responsibility. The requirements of Section 6.22 are in addition to the financial assurance requirements for Operation and Maintenance pursuant to Section 5.14 of this Order. Prior to commencement of any work under this Order, Respondents shall secure, and shall maintain in force for the duration of this Order, and for two years after the completion of all activities required by this Order, comprehensive general liability (CGL) and automobile insurance with limits of $10 million dollars, combined single limit, naming the Department and the State of California as additional insured. The CGL insurance shall include contractual liability insurance in the amount of $5 million dollars per occurrence, and an umbrella liability insurance in the amount of $20 million dollars per occurrence. Respondents shall secure, and maintain in force for the duration of this Order and for 2 years after the completion of all activities required by this Order, the following:

(a) Professional errors and omissions insurance in the amount of $5 million dollars per occurrence, and $20 million dollars annual aggregate.

(b) Pollution liability insurance in the amount of $5 million dollars per occurrence, and $20 million dollars annual aggregate, covering as appropriate both general liability and professional liability arising from pollution conditions.

If Respondents demonstrate by evidence satisfactory to the Department that any contractor or subcontractor maintains insurance equivalent to that described above, or insurance covering the same risks but in a lesser amount, then with respect to that contractor or subcontractor, Respondents need provide only that portion of the insurance described above which is not maintained by the contractor or subcontractor.

Prior to commencement of any work under this Order, and annually thereafter on the anniversary of the effective date of this Order, Respondents shall provide the Department a copy of each insurance policy required in order to comply with this Order, as well as certificates of such insurance.

6.23 Incorporation of Plans, Schedules and Reports. All plans, schedules, reports, specifications and other documents that are submitted by Respondents pursuant to this Order are incorporated in this Order upon the Department's approval or as modified pursuant to Section 6.7, Department Review and Approval, and shall be implemented by Respondents. Any noncompliance with the documents incorporated in this Order, shall be deemed a failure or refusal to comply with this Order.

6.24 Modifications. The Department reserves the right to unilaterally modify this Order. Any modification to this Order shall be effective upon the date the modification is signed by the Department and shall be deemed incorporated in this Order.

6.25 Time Periods. Unless otherwise specified, time periods begin from the effective date of this Order and "days" means calendar days. The effective date of this Order is the date the Order is signed by the Department.

6.26 Termination and Satisfaction. Respondents' obligations under this Order, except for the Respondents' obligation to pay all past and future costs incurred by the Department in responding to the contamination at the Site pursuant to Section 5.15, Five-Year Review and Section 6.18, Cost Recovery, shall terminate and be deemed satisfied upon Respondents' receipt of written notice from the Department that the Respondents has complied with all the terms of this Order.

6.27 Parties Bound. This Order applies to and is binding upon Respondents, and their officers, directors, agents, employees, contractors, consultants, receivers, trustees, successors and assignees, including but not limited to, individuals, partners, and subsidiary and parent corporations, and upon any successor agency of the State of California that may have responsibility for and jurisdiction over the subject matter of this Order.

VII. PENALTIES AND PUNITIVE DAMAGES FOR NONCOMPLIANCE

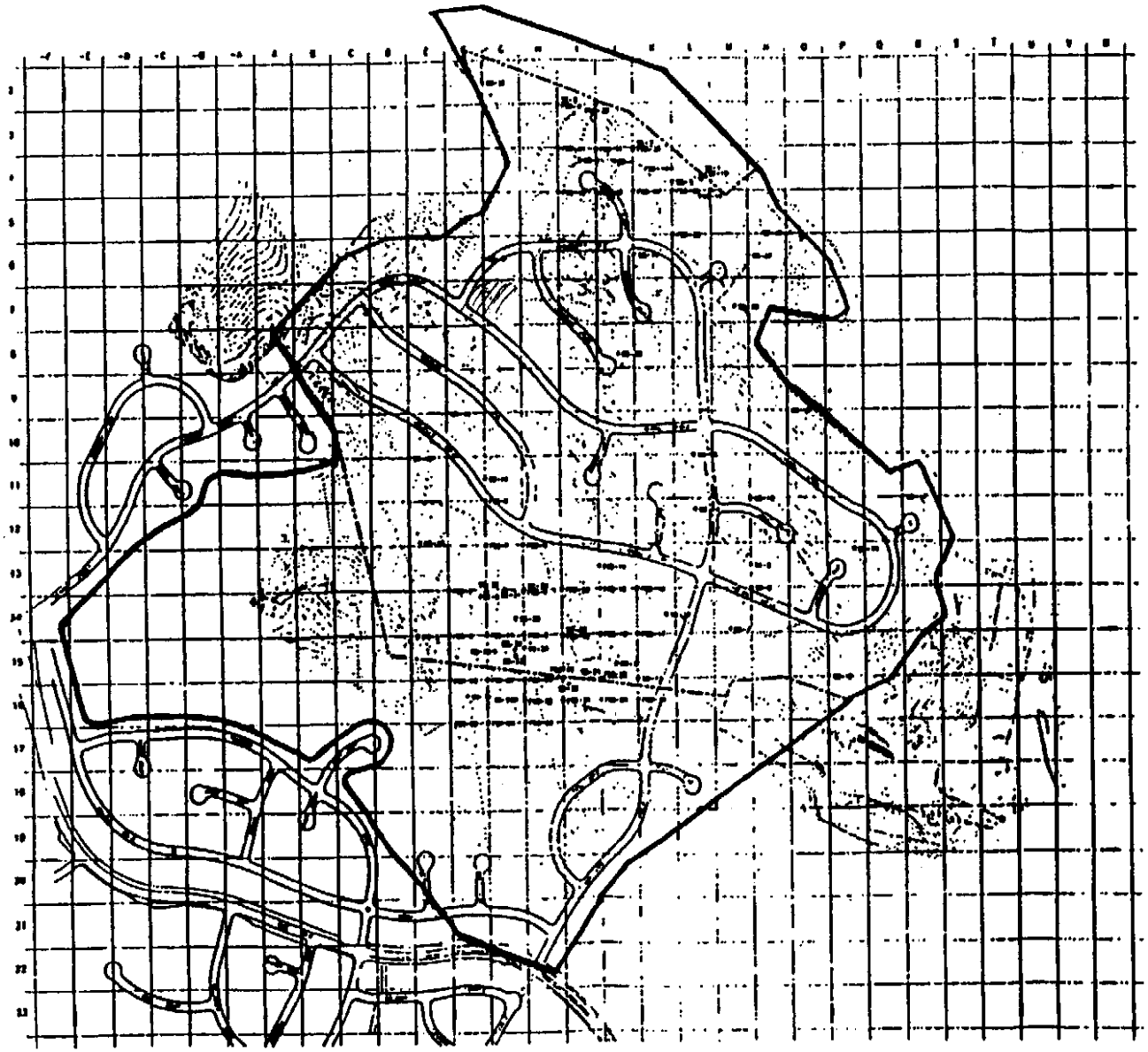
7.1 Respondents may be liable for penalties of up to $25,000 for each day Respondents refuse to comply with this Order and for punitive damages up to three times the amount of any costs incurred by the Department as a result of Respondents' failure to comply, pursuant to H&SC Sections 25359, 25359.2, 25359.4, and 25367(c). H&SC Section 25359.4.5 provides that a responsible party who complies with this Order, or with another order or agreement concerning the same response actions required by this Order, may seek treble damages from Respondents who fail or refuse to comply with this Order without sufficient cause.

DATED: 6-1-99

Anthony J. Landis

Anthony J. Landis, P.E. Chief
Office Of Military Facilities
Northern California Operations
Department of Toxic Substances Control

EXHIBIT 1 - SITE MAP



Site Boundary

DRAFT

SECOR

GRANITE MANAGEMENT CORPORATION
TOURTELOT RESTORATION
RENDA, CALIFORNIA

SURFACE SOIL AND WATER SAMPLING LOCATION

EXHIBIT 2 - Assessors Parcel Numbers

The Assessors Parcel Numbers for the Site identified in Exhibit 1 are as follows:

83-220-07-0; 83-220-08; 83-510-022-0; 83-210-024-0; 83-210-018-0; 83-210-026-0; 83-210-029-0; 83-210-028-0; 80-010-010-0; 83-383-010-120; 83-382-010-080; 83-381-010-160; 83-373-010-270; 83-372-010-050; 83-371-010-130; 83-282-030; 83-431-010; 83-432-010-070; 83-434-100-160; 83-443-010-180; 83-461-020-180; 83-463-160-200; 83-531-100-140; 83-532-030; 83-533-010-170; 83-534-010; 83-511-010-210; 83-512-010-050; 83-521-010-150; 83-522-010-070; 83-531-010-090; 83-534-090-180; 83-535-010-100; 83-541-330; 83-542-060-120; 83-561-010-140; 83-571-230; 83-533-160; 83-471-010-030; 83-472-020-140; 83-461-090; 83-441-050; 83-493-110; 83-491-010-090; 83-492-010; 83-534-020-080; 83-542-010-050; 83-543-010-030; 83-551-010-150; 83-552-010-060; 83-553-010-190; 83-561-150-360; 83-562-010-090; 83-571-010-220; 83-572-010-240; 83-581-010-130; 83-582-030-180; 83-492-020-120; 83-493-020-180; 83-501-010-200; 83-502-010-090; 83-503-010-200; 83-321-030; 83-532-010-020; 83-531-150-160; 83-443-020; 83-581-020.

Exhibit 2

Ghazi

Terry Tamminen
Agency Secretary
Cal/EPA

Department of Toxic Substances Control

Edwin F. Lowry, Director
8800 Cal Center Drive
Sacramento, California 95826-3200

Arnold Schwarzenegger
Governor

June 23, 2004

Mr. William W. McNair, Sr.
Pacific Bay Homes, LLC
4041 MacArther Boulevard, Suite 500
Newport Beach, California 92660

TOURTELOT PROPERTY, CITY OF BENICIA, COUNTY OF SOLANO, CALIFORNIA

Dear Mr. McNair:

The Department of Toxic Substances Control has issued the enclosed Amendment to Imminent and/or Substantial Endangerment Determination and Remedial Action Order, Docket No. I/SE 98/99-011, to you as a person responsible for cleaning up the above named site.

If you have any questions, please feel free to call me at (916) 255-3610.

Sincerely,

Rizgar Ghazi
Project Manager
Office of Military Facilities

cc: Mr. Scott Goldie
Senior Vice President
Pacific Bay Homes, LLC
938 Tyler Street, Suite 104
Benicia, California 94510

Mr. John Esparza
United States Army Corps of Engineers
1325 J Street
Sacramento, California 95814-2922

Printed on Recycled Paper

Terry Tamminen
Agency Secretary
Cal/EPA

Department of Toxic Substances Control

Edwin F. Lowry, Director
8800 Cal Center Drive
Sacramento, California 95826-3200

Arnold Schwarzenegger
Governor

June 23, 2004

Mr. William W. McNair, Sr.
FN Projects, Incorporated
4041 MacArther Boulevard, Suite 500
Newport Beach, California 92660

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Terry Tamminen
Agency Secretary
Cal/EPA

Department of Toxic Substances Control

Edwin F. Lowry, Director
8800 Cal Center Drive
Sacramento, California 95826-3200

Arnold Schwarzenegger
Governor

June 23, 2004

Mr. William W. McNair, Sr.
Granite Management Company
4041 MacArther Boulevard, Suite 500
Newport Beach, California 92660

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1325 J Street
Sacramento, California 95814-2922

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Terry Tamminen
Agency Secretary
Cal/EPA

Department of Toxic Substances Control

Edwin F. Lowry, Director
8800 Cal Center Drive
Sacramento, California 95826-3200

Arnold Schwarzenegger
Governor

June 23, 2004

Mr. John Esparza
United States Army Corps of Engineers
1325 J Street
Sacramento, California 95814-2922

TOURTELOT PROPERTY, CITY OF BENICIA, COUNTY OF SOLANO, CALIFORNIA

Dear Mr. Esparza:

The Department of Toxic Substances Control has issued the enclosed Amendment to Imminent and/or Substantial Endangerment Determination and Remedial Action Order, Docket No. I/SE 98/99-011, to you as a person responsible for cleaning up the above named site.

If you have any questions, please feel free to call me at (916) 255-3610.

Sincerely,

Rizgar Ghazi
Project Manager
Office of Military Facilities

cc: Mr. William W. McNair, Sr.
Pacific Bay Homes, LLC
938 Tyler Street, Suite 104
Benicia, California 94510

Mr. Scott Goldie
Senior Vice President
Pacific Bay Homes, LLC
938 Tyler Street, Suite 104
Benicia, California 94510

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STATE OF CALIFORNIA
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF TOXIC SUBSTANCES CONTROL

In the Matter of: Tourtelot Property Benicia, California Responsible Parties: FN Projects, Inc. 135 Main St, 10th Flr. San Francisco, Ca 94105 Pacific Bay Homes, Inc. 4041 MaCarthur Blvd., Ste. 500 Newport Beach, Ca 92660 Granite Management Company 275 Battery St., 23rd Floor San Francisco, Ca 94111 United States Department of the Army C/O U.S. Army Corps of Engineers 1325 J Street Sacramento, Ca 95814-2922	Docket No. I/SE 98/99-011 AMENDMENT TO IMMINENT AND/OR SUBSTANTIAL ENDANGERMENT DETERMINATION AND REMEDIAL ACTION ORDER Health and Safety Code Sections 25358.3(a), 25355.5(b)(3), 58009, and 58010

AMENDMENT TO ORDER

Based on new information obtained during performance of the work covered by the Imminent and/or Substantial Endangerment Determination and Remedial Action Order (Order), the Department of Toxic Substances Control (Department) hereby amends the Order as follows:

1. Paragraph 1.2 of the Order describes the Site. This amendment revises the existing property description of the Site contained in the Order at Exhibit 1 (Site Map) and Exhibit 2 (Assessors Parcel Numbers), by replacing Exhibit 1 with Attachment A hereto and by replacing Exhibit 2 with Attachment B hereto.

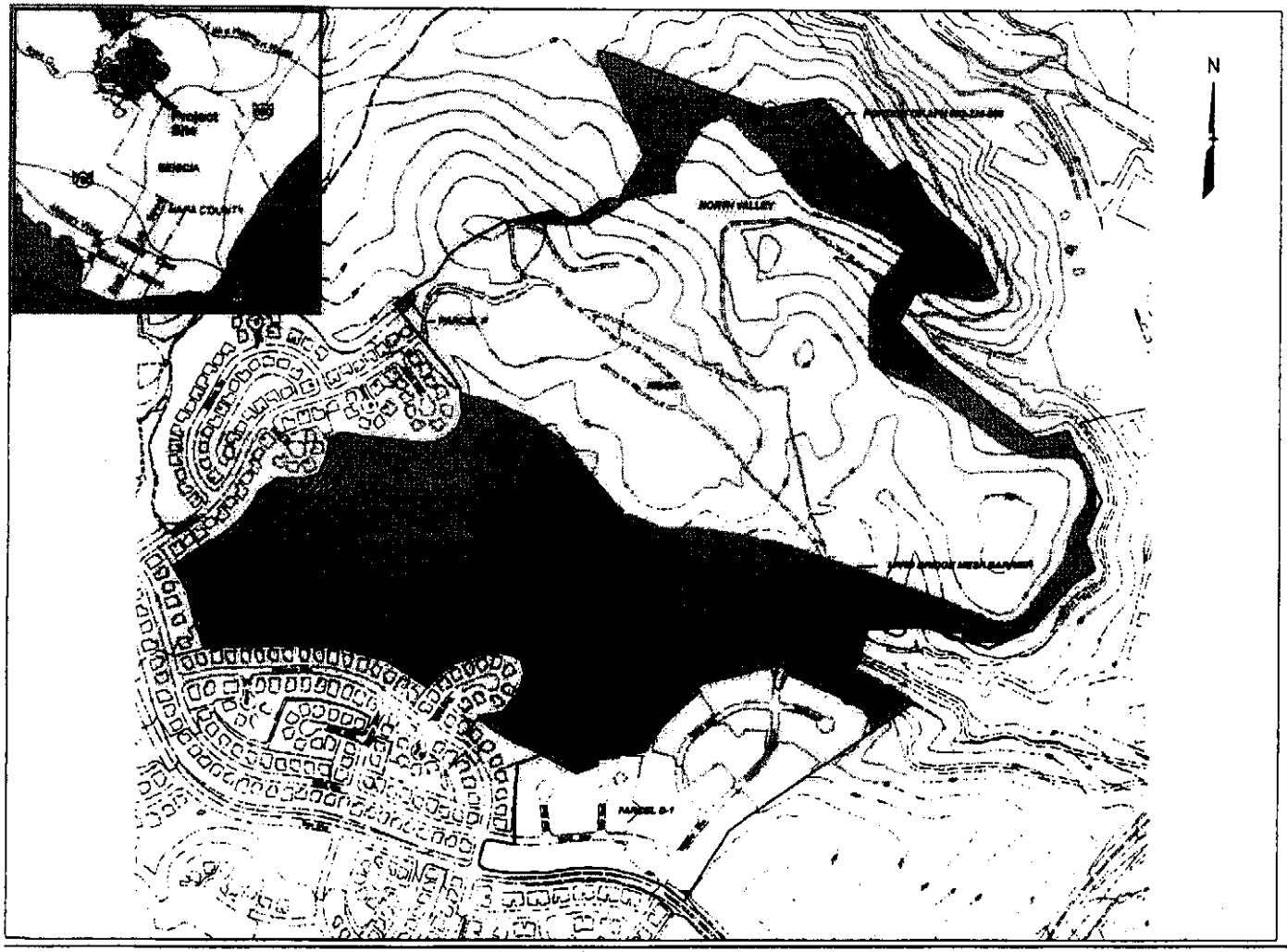
2. In a letter from its attorney dated March 28, 2003, Pacific Bay Homes, LLC notified the Department that it had acquired fee ownership of all portions of the Site that previously had been owned by FN Projects, Inc., and requested that it be added as a Responsible Party in the Order. Accordingly, this amendment adds Pacific Bay Homes, LLC as a Respondent under paragraph 2.1 of the Order.

3. In its March 28, 2003, letter, Pacific Bay Homes, LLC requested that Pacific Bay Homes, Inc., be removed as a Responsible Party in the Order. In view of the supporting information contained in and attached to the letter, this amendment removes Pacific Bay Homes, Inc., as a Respondent under paragraph 2.1 of the Order.

4. This Amendment changes "Granite Management Company" to "Granite Management Corporation".

DATED: 6/23/04

Frederick S. Moss
Division Chief
Office Of Military Facilities
Northern California Operations
Department of Toxic Substances Control



EXPLANATION

- Restricted Areas
- Use Restricted Areas
- Unrestricted Areas
- Wetland
- Groundwater Monitoring Well (Earth Tech, December 1998 - April 2000)

Date of Topography July 1998
(Cartwright Aerial)

0' 250' 500'
SCALE

Attachment A

Operation and Maintenance Agreement
Tourtelot Cleanup Project
Benicia, California
June 2004

northgate environmental management, inc.

Attachment B
Operations and Maintenance Agreement

LEGAL DESCRIPTION OF PROJECT SITE
Tourtelot Remediation Site, Benicia, California

All of the property included within the boundaries of Unit D-6, as shown in the Final Subdivision Map entitled "Southampton Unit D-6, Benicia, Solano County, California," filed in the Office of the Recorder, County of Solano, State of California, on August 8, 1997, in Book 67 of Maps at Page 1.

All of the property included within the boundaries of Unit D-7, as shown in the Final Subdivision Map entitled "Southampton Unit D-7, Benicia, Solano County, California," filed in the Office of the Recorder, County of Solano, State of California, on August 8, 1997, in Book 67 of Maps at Page 13.

The following property within the boundaries of Unit D-1, as shown in the Final Subdivision Map entitled "Southampton Unit D-1, Benicia, Solano County, California," filed in the Office of the Recorder, County of Solano, State of California, on September 17, 1991, in Book 61 of Maps at Page 23:

(1) Parcels "A" and "B"

(2) 81 residential lots, identified as Lots 17-97 on Final Subdivision Map.

Parcel "A" as shown on the map entitled "Final Map of Southampton Unit D-4, Benicia, Solano County, California," filed in he Office of the Recorder, County of Solano, State of California, on May 4, 1992, in Book 62 of Maps at Page 15.

Parcel "A" as shown on the map entitled "Final Map of Southampton Unit D-5, Benicia, Solano County, California," filed in the Office of the Recorder, County of Solano, State of California, on October 10,1 995, in Book 65 of Maps at Page 74.

Approximately 1.8 acres, owned by the City of Benicia and situated as generally shown on Exhibit 4 to this Agreement. Such property comprises a portion of Assessor Parcel Number 83-220-080 and contains portions of the Trinitrotoluene (TNT) Strips.

Approximately 1.8 acres, owned by Valero Energy Corporation and comprising a portion of Assessor Parcel Number 83-210-220.

ASSESSOR'S PARCEL NUMBERS

RESTRICTED AREAS

Unit D-1 (South Valley Open Space) Assessor Parcel Numbers: 0083-210-180; 0083-381-170

Unit D-4 (South Valley Open Space) Assessor Parcel Numbers: 0083-210-240

Unit D-5 (South Valley Open Space) Assessor Parcel Numbers: 0083-210-260

Unit D-6 (South Valley/North Valley Open Space) Assessor Parcel Numbers: 0083-210-280; 0083-210-290; 0083-582-190; 0083-571-240; 0083-531-170;

Unit D-7 (Open Space North of Development) Assessor Parcel Numbers: 0083-511-220; 0083-521-160

City Owned Open Space Containing Portion of TNT Strips: Portion of 0083-220-080

UNRESTRICTED AREAS

Unit D-1 (Residential) Assessor Parcel Numbers:. 0083-371-010; 0083-371-020; 0083-371-030; 0083-371-040; 0083-371-050; 0083-371-060; 0083-371-070; 0083-371-080; 0083-371-090; 0083-371-100; 0083-371-110; 0083-371-120; 0083-371-130; 0083-372-010; 0083-372-020; 0083-372-030; 0083-372-040; 0083-372-050; 0083-373-010; 0083-373-020; 0083-373-030; 0083-373-040; 0083-373-050; 0083-373-060; 0083-373-070; 0083-373-080; 0083-373-090; 0083-373-100; 0083-373-110; 0083-373-120; 0083-373-130; 0083-373-140; 0083-373-150; 0083-373-160; 0083-373-170; 0083-373-180; 0083-373-190; 0083-373-200; 0083-373-210; 0083-373-220; 0083-373-230; 0083-373-240; 0083-373-250; 0083-373-260; 0083-373-270; 0083-381-010; 0083-381-020; 0083-381-030; 0083-381-040; 0083-381-050; 0083-381-060; 0083-381-070; 0083-381-080; 0083-381-090; 0083-381-100; 0083-381-110; 0083-381-120; 0083-381-130; 0083-381-140; 0083-381-150; 0083-381-160; 0083-382-010; 0083-382-020; 0083-382-030; 0083-382-040; 0083-382-050; 0083-382-060; 0083-382-070; 0083-382-080; 0083-383-010; 0083-383-020; 0083-383-030; 0083-383-040; 0083-383-050; 0083-383-060; 0083-383-070; 0083-383-080; 0083-383-090; 0083-383-100; 0083-383-110; 0083-383-120

Unit D-6 (Residential) Assessor's Parcel Numbers: 0083-532-010; 0083-532-020; 0083-532-030; 0083-553-010; 0083-553-020; 0083-553-030; 0083-553-040; 0083-553-050; 0083-553-060; 0083-553-070; 0083-553-080; 0083-553-090; 0083-553-100; 0083-553-110; 0083-553-120; 0083-553-130; 0083-553-140; 0083-553-150; 0083-553-160; 0083-553-170; 0083-553-180; 0083-553-190; 0083-562-010; 0083-562-020; 0083-562-030; 0083-562-040; 0083-562-050; 0083-562-060; 0083-562-070; 0083-562-080; 0083-562-090; 0083-582-010; 0083-582-020; 0083-582-030; 0083-582-040; 0083-582-050; 0083-582-060; 0083-582-070; 0083-582-080; 0083-582-090; 0083-582-100; 0083-582-110; 0083-582-120; 0083-582-130; 0083-582-140; 0083-582-150; 0083-582-160; 0083-582-170; 0083-582-180; 0083-571-010; 0083-571-020; 0083-571-030; 0083-571-040; 0083-571-050; 0083-571-060; 0083-571-070; 0083-571-080; 0083-571-090; 0083-571-100; 0083-571-110; 0083-571-120; 0083-571-130; 0083-571-140;

0083-571-150; 0083-571-160; 0083-571-170; 0083-571-180; 0083-571-190; 0083-571-200; 0083-571-210; 0083-571-220; 0083-572-110; 0083-572-120; 0083-572-130; 0083-572-140; 0083-572-150; 0083-572-160; 0083-572-170; 0083-572-180; 0083-572-190; 0083-572-200; 0083-572-210; 0083-572-220; 0083-572-230; 0083-572-240; 0083-581-010; 0083-581-020; 0083-581-030; 0083-581-040; 0083-581-050; 0083-581-060; 0083-581-070; 0083-581-080; 0083-581-090; 0083-581-100; 0083-581-110; 0083-581-120; 0083-581-130; 0083-581-140; 0083-581-150; 0083-581-160; 0083-581-170; 0083-581-180; 0083-581-190; 0083-581-200; 0083-581-210; 0083-581-220; 0083-581-230; 0083-581-240; 0083-581-250; 0083-581-260; 0083-581-270; 0083-572-010; 0083-572-020; 0083-572-030; 0083-572-040; 0083-572-050; 0083-572-060; 0083-572-070; 0083-572-080; 0083-572-090; 0083-572-100; 0083-561-150; 0083-561-160; 0083-561-170; 0083-561-180; 0083-561-190; 0083-561-200; 0083-561-210; 0083-561-220; 0083-561-230; 0083-561-240; 0083-561-250; 0083-561-260; 0083-561-270; 0083-561-280; 0083-561-290; 0083-561-300; 0083-561-310; 0083-561-320; 0083-561-330; 0083-561-340; 0083-561-350; 0083-561-360; 0083-552-010; 0083-552-020; 0083-552-030; 0083-552-040; 0083-552-050; 0083-552-060; 0083-542-010; 0083-542-020; 0083-542-030; 0083-542-040; 0083-542-050; 0083-534-010; 0083-534-020; 0083-534-030; 0083-534-040; 0083-534-050; 0083-534-060; 0083-534-070; 0083-534-080; 0083-533-090; 0083-533-100; 0083-533-110; 0083-533-120; 0083-533-130; 0083-533-140; 0083-533-150; 0083-533-160; 0083-533-170; 0083-543-010; 0083-543-020; 0083-543-030; 0083-551-010; 0083-551-020; 0083-551-030; 0083-551-040; 0083-551-050; 0083-551-060; 0083-551-070; 0083-551-080; 0083-551-090; 0083-551-100; 0083-551-110; 0083-551-120; 0083-551-130; 0083-551-140; 0083-551-150; 0083-533-010; 0083-533-020; 0083-533-030; 0083-533-040; 0083-533-050; 0083-533-060; 0083-533-070; 0083-533-080; 0083-531-100; 0083-531-110; 0083-531-120; 0083-531-130; 0083-531-140; 0083-531-150; 0083-531-160

Unit D-7 (Residential) Assessor's Parcel Numbers: 0083-531-010; 0083-531-020; 0083-531-030; 0083-531-040; 0083-531-050; 0083-531-060; 0083-531-070; 0083-531-080; 0083-531-090; 0083-511-010; 0083-511-020; 0083-511-030; 0083-511-040; 0083-511-050; 0083-511-060; 0083-511-070; 0083-511-080; 0083-511-090; 0083-511-100; 0083-511-110; 0083-511-120; 0083-511-130; 0083-511-140; 0083-511-150; 0083-511-160; 0083-511-170; 0083-511-180; 0083-511-190; 0083-511-200; 0083-511-210; 0083-521-010; 0083-521-020; 0083-521-030; 0083-521-040; 0083-521-050; 0083-521-060; 0083-521-070; 0083-521-080; 0083-521-090; 0083-521-100; 0083-521-110; 0083-521-120; 0083-521-130; 0083-521-140; 0083-521-150; 0083-571-230; 0083-522-010; 0083-522-020; 0083-522-030; 0083-522-040; 0083-522-050; 0083-522-060; 0083-522-070; 0083-541-260; 0083-541-270; 0083-541-280; 0083-541-290; 0083-541-300; 0083-541-310; 0083-541-320; 0083-541-330; 0083-512-010; 0083-512-020; 0083-512-030; 0083-512-040; 0083-512-050; 0083-541-100; 0083-541-110; 0083-541-120; 0083-541-130; 0083-541-140; 0083-541-150; 0083-541-160; 0083-541-170; 0083-541-180; 0083-541-190; 0083-541-200; 0083-541-210; 0083-541-220; 0083-541-230; 0083-541-240; 0083-541-250; 0083-535-010; 0083-535-020; 0083-535-030; 0083-535-040; 0083-535-050; 0083-535-060; 0083-535-070; 0083-535-080; 0083-535-090; 0083-535-100; 0083-541-020; 0083-541-030; 0083-541-040; 0083-541-050; 0083-541-060; 0083-541-070; 0083-541-080; 0083-541-090; 0083-561-010; 0083-561-020; 0083-561-030; 0083-561-040; 0083-561-050; 0083-561-060; 0083-561-070; 0083-561-080; 0083-561-090; 0083-561-100; 0083-561-110; 0083-561-120; 0083-561-130; 0083-561-140; 0083-542-060; 0083-542-070; 0083-542-080; 0083-542-090; 0083-542-100; 0083-542-110; 0083-542-120; 0083-534-090; 0083-534-100;

0083-534-110; 0083-534-120; 0083-534-130; 0083-534-140; 0083-534-150; 0083-534-160; 0083-534-170; 0083-534-180

Park Site in Unit D-7: 0083-541-010

Open Space Access Pathway in Unit D-7: Portion of 0083-521-160

Approximately 1.8 acres, owned by Valero Energy Corporation and comprising a portion of Assessor Parcel Number 83-210-220.

Exhibit 3

Terry Tamminen
Agency Secretary
Cal/EPA

Department of Toxic Substances Control

Edwin F. Lowry, Director
8800 Cal Center Drive
Sacramento, California 95826-3200

Arnold Schwarzenegger
Governor

June 23, 2004

Mr. Scott Goldie
Senior Vice President
Pacific Bay Homes, LLC
938 Tyler Street, Suite 104
Benicia, California 94510

COMPLETION OF REMEDIAL ACTION FOR THE TOURTELOT CLEANUP PROJECT SITE, BENICIA, CALIFORNIA

Dear Mr. Goldie:

Thank you for providing the Department of Toxic Substances Control (DTSC) with the Final Technical Memorandum and Implementation Report (Final Report) dated June 18, 2004 for our review. The Final Report was prepared by Northgate Environmental Management, Incorporated for Pacific Bay Homes, LLC. The Final Report documents the completion of the ordnance and explosives (OE) cleanup and the completion of the non-ordnance and explosives (Non OE) cleanup for the entire Tourtelot Cleanup Project Site (Project Site) in Benicia, California. The OE and Non OE cleanup activities were specified in the Final Remedial Action Plan (RAP) approved by DTSC on January 29, 2002, the Final Tourtelot Project Site Ordnance and Explosives Remedial Design Document (OERDD) approved by DTSC on March 21, 2002, the Final Tourtelot Project Site Non Ordnance and Explosives Remedial Design Document (Non-OERDD) approved by DTSC on June 7, 2002, and the Final Environmental Impact Report (EIR) certified by DTSC on December 19, 2001.

DTSC approves the Final Report and considers the remediation of the Tourtelot Cleanup Project Site complete. Pacific Bay Homes, LLC has reimbursed DTSC's oversight costs through December 31, 2003. The costs of oversight from January 1, 2004 through completion of the remediation will be provided to Pacific Bay Homes, LLC for payment in the next billing cycle.

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The Project Site includes residential land use areas consisting of 417 residential lots, a 2.5-acre park site, and open space parcels consisting of approximately 100 acres. (See attached map depicting the Unrestricted Areas and the Restricted Areas).

DTSC has overseen remedial activities conducted at the Project Site and has directed the quality assurance activities. DTSC has reviewed the Final Report and has determined that all appropriate response actions have been completed for occupancy of homes at the Project Site, that all acceptable engineering practices were implemented and that no further removal/remediation is necessary at the Project Site. DTSC has determined that the cleanup of the Project Site allows for an unrestricted use of the 417 residential lots and 2.5-acre park site and an open space access path.

As part of the Remedial Investigation/Feasibility Study (RI/FS), RAP and EIR process, a number of different cleanup alternatives were evaluated based on factors such as potential environmental affects, and cost and effectiveness in protecting human health. Based on input from members of the public, the Tourtelot Community Advisory Group (CAG), the United States Army Corps of Engineers (USACE) and the Regional Water Quality Control Board (RWQCB), alternative 5A was selected by DTSC. Alternative 5A, while protective of human health, resulted in less remedial grading in the open space areas due to aesthetic and environmental concerns. DTSC requires that institutional controls be applied to the restricted open space areas and two paved areas, a small portion of McAllister Drive in D-1 and a portion of the Land Bridge.

The institutional controls are set out in four documents: the Operations and Maintenance Plan, the Covenant to Restrict Property, the Contingency Action Plan and the Operations and Maintenance Agreement. These documents outline future roles and responsibilities for the management of these areas, including education of City of Benicia staff and the public; restrict by deed the use of the property to open space; impose safety controls on any future excavation activities; and provide guidance for future decisions. Pacific Bay Homes, LLC has given DTSC acceptable financial assurance that it will perform the duties given to it in the Operation and Maintenance Agreement. DTSC is satisfied that these institutional controls meet the objectives of the RAP.

DTSC appreciates Pacific Bay Homes, LLC and their affiliates' efforts to clean the Project Site to a level consistent with the zoned land uses. If you have any questions, please contact me by phone at (916) 255-3750.

Sincerely,

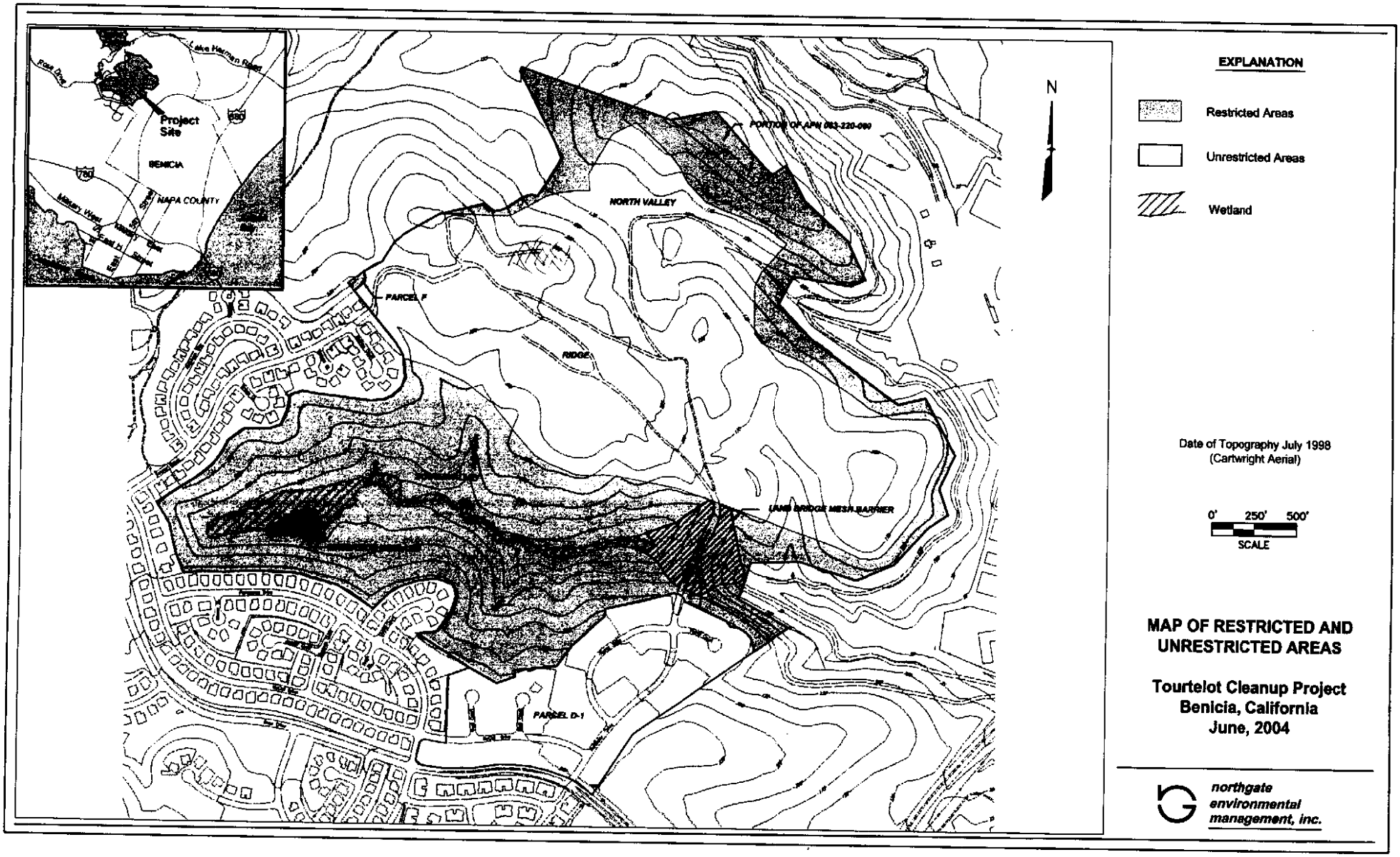
Frederick S. Moss

Frederick S. Moss
Division Chief
Office of Military Facilities

Attachments

cc: Mr. John Esparza
United States Army Corps of Engineers
1325 J Street
Sacramento, California 95814

Mr. Gary Riley
San Francisco Regulation Quality Control Board
1515 Clay Street, Suite 1400
Oakland, California 94612



MAP OF RESTRICTED AND UNRESTRICTED AREAS

Tourtelot Cleanup Project
Benicia, California
June, 2004

northgate environmental management, inc.

Section 1
Introduction

INTRODUCTION

Final Technical Memorandum and Implementation Report
Tourtelot Cleanup Project
Benicia, California
Version-3 / June 9, 2004

Northgate Environmental Management, Inc. (Northgate) has prepared this Final Technical Memorandum and Implementation Report (Final Report) to document the completion of the ordnance and explosives (OE) cleanup of the Tourtelot Cleanup Project Site in Benicia, California. This Final Report is being submitted on behalf of Pacific bay Homes, LLC (PBH). Its purpose is to confirm that all required actions specified in the Tourtelot Project Site Ordnance and Explosives Remedial Design Document (OERDD) have been completed as specified. A Technical Memorandum for completion of the D-1 Parcel (Sectors 1, 2 & 3) was submitted for review and approval to the Department of Toxic Substances Control (DTSC) on September 1, 2003. That document has been included with this Technical Memorandum and Implementation report as Addendum-1.

The D-1 Parcel (Sectors-1, 2 & 3) was submitted and approved for residential occupancy in September of 2003. This Technical Memorandum addresses the remainder of the Tourtelot Cleanup Project Site (Site) (Sectors - 4, 5, 6, 7, 8, 9, 10A & 10B / see attached and Listing of Assessor's Parcel Numbers & Site Sector Map).

- Sector-4 and 5 extend west to east through the south valley/wetlands area and will remain open space as well as Sector-3 which was completed as part of the D-1 Parcel. This space incorporates portions of the sewer bench road and the McAllister Drive Land Bridge.

- Sector-6 encompasses Sector-7 (the Ridge). Portions of Sector-6 to the north, west and east are slated for residential use. Sector-7 runs through Sector-6 northwest to southeast. Sector-7 consists of exposed bedrock and is being used as a source of clean, OE free fill as it is being cut. Portions of Sector-7 will be residential.

- Sector-8 is the bottom of the North Valley and was scraped to remove 3-7 feet of undocumented fill. It will eventually have 40-60 feet of fill over it. Much of the fill material will be processed soils from Stockpile Clearance Operations, Clearance of Mechanical Removal Soils, and Clearance of Area Wide Grading Soils. As these fills will be below residential areas they require a minimum 14-foot thick cap of clean, OE free material.

- Sector-9 is the northeast slope of the North Valley and is where the TNT Strips were located. Portions of Sector-9 are slated for residential use.

- Sector-10A was located in the northern part of Sector-7 and consisted of exposed bedrock. It was used as a fill borrow site for portions of the D-1 Parcel.

- Sector-10B was located in the eastern portion of Sector-6 and was used as the Geophysical Verification Plot.

The OERDD and amendments identify the tasks that require completion in order for the Tourtelot Cleanup Project to be certified as complete. As PBH's Project Manager, Engineer, and OE Remediation Contractor, Northgate has managed the execution of the required remedial activities and hereby verifies the completion of the following activities, as described in the appendices:

1. Surface Preparation Actions

   (a) Site Boundary Survey
   (b) Vegetation Clearance
   (c) Removal of Debris Piles
   (d) Boundary Fence Removal/Relocation
   (e) Grid Layout Survey

2. Initial OE Remediation Actions

   (a) Completion of OE Surface Clearance
   (b) Completion of Phase-1 and Phase-2 Point Clearances

3. North Valley Preparations

   (a) Removal of North Valley Stockpiles 1, 2 & 3
   (b) Removal of North Valley Undocumented Fill
   (c) Removal of North Valley Military Landfill

4. Flare Site Remediation

   (a) Remediation of Flare Site-1 (South Slope of South Valley)
   (b) Remediation of Flare Site-2 (Ridge)
   (c) Remediation of Flare Site-3 (South Valley Wetland)

5. Demolition Site Remediation

   (a) Remediation of Demo Site-3
   (b) Remediation of Demo Site-1

6. Confirmation Scan of South Valley Saturated Areas

   (a) Scan of North Slope of the South Valley Mechanical Removal Area
   (b) Scan of the South Slope of the South Valley Mechanical Removal Area

7. Remediation of TNT Soils

(a) Remediation of TNT Soil Concentrations at or Greater than 10%

8. Completion of Non-OERDD Tasks

(a) Sampling and Disposition of Lead Impacted Soils
(b) Sampling and Disposition of Flare Pits 1, 2 & 3 Soils
(c) Sampling and Disposition of TNT Soils (<10% & 10% or >)
(d) Sampling and Disposition of North Valley Stockpiles, Undocumented Fill (solvent area) and Military Landfill Soils
(e) Sampling and Disposition of Demo Pits 1 & 3 Soils
(f) Sampling and Disposition of BIP Soils, Planned Detonation Pit Soils and Blast Chamber Aggregate/Materials

9. Processing of Stockpiled Soils (Mechanical Sifting and Spread and Scan)

(a) Sector-7 Stockpiles 1 thru 9 (Consolidated)
(b) Flare Sites 1, 2 & 3 Soils
(c) North Valley Stockpiles 1, 2 & 3
(d) North Valley Undocumented Fill Soils
(e) North Valley Military Landfill Soils
(f) South Valley Mechanical Removal (Saturated) and Lead Impacted Soils
(g) Demo Sites 1 & 3 Soils
(h) D-1/Sector-2 Excavated Fill Soils & Sector-3 Lens Excavated Fill Soils
(i) Utility Corridor Fill Soils

10. Completion of Area Wide Grading

(a) Area-1
(b) Area-2

11. Completion of Remedial Grading

(a) Exposed Bedrock Areas and Fill Areas

12. Completion of Land Bridge Barrier Installation

(a) Area Beyond the Initial 200-foot for the D-1 Parcel

13. Completion of Wetlands Actions

(a) Completion of Saturated Areas
(b) Completion of Non Saturated Areas
(c) Establishment of the No Further Action Area (NFA)

14. Confirmation Scans of Fill Slopes

    (a) Completion of Confirmation Scans for the Keyway and North Valley Fill Slopes (Exposed Fill Areas)

15. Disposal of OE-Energetic, OE-Like and OE-Scrap Items and Materials

    (a) Items Disposed of in the Confined Detonation Chamber, Planned Detonation Pit and Items Blown In Place
    (b) Disposal of OE-Like Items
    (c) Disposal of OE-Scrap Items

16. Verification of Data Base Close Out

17. ENGIO, Inc. Assessments of Fill Materials and Bedrock Areas

18. Land Use Controls

Upon review and approval of this Technical Memorandum & Implementation Report by DTSC, PBH request that DTSC issue a letter to PBH and the City of Benicia certifying the completion of the remedial actions required for occupancy of housing constructed on the Tourtelot Cleanup Project Site and that no further actions are required on this Site. All residential lots on the Tourtelot Site will not be subject to institutional controls. Institutional Control Documents for applicable areas of the Site are included as Appendix-18 of this report.

List of Attachments:

(1) Listing of Assessor's Parcel Numbers
(2) Site Sector Map

ATTACHMENT-1: INTRODUCTION

ASSESSOR'S PARCEL NUMBERS

UNRESTRICTED AREAS

Unit D-1 (Residential) Assessor Parcel Numbers: 0083-371-010; 0083-371-020; 0083-371-030; 0083-371-040; 0083-371-050; 0083-371-060; 0083-371-070; 0083-371-080; 0083-371-090; 0083-371-100; 0083-371-110; 0083-371-120; 0083-371-130; 0083-372-010; 0083-372-020; 0083-372-030; 0083-372-040; 0083-372-050; 0083-373-010; 0083-373-020; 0083-373-030; 0083-373-040; 0083-373-050; 0083-373-060; 0083-373-070; 0083-373-080; 0083-373-090; 0083-373-100; 0083-373-110; 0083-373-120; 0083-373-130; 0083-373-140; 0083-373-150; 0083-373-160; 0083-373-170; 0083-373-180; 0083-373-190; 0083-373-200; 0083-373-210; 0083-373-220; 0083-373-230; 0083-373-240; 0083-373-250; 0083-373-260; 0083-373-270; 0083-381-010; 0083-381-020; 0083-381-030; 0083-381-040; 0083-381-050; 0083-381-060; 0083-381-070; 0083-381-080; 0083-381-090; 0083-381-100; 0083-381-110; 0083-381-120; 0083-381-130; 0083-381-140; 0083-381-150; 0083-381-160; 0083-382-010; 0083-382-020; 0083-382-030; 0083-382-040; 0083-382-050; 0083-382-060; 0083-382-070; 0083-382-080; 0083-383-010; 0083-383-020; 0083-383-030; 0083-383-040; 0083-383-050; 0083-383-060; 0083-383-070; 0083-383-080; 0083-383-090; 0083-383-100; 0083-383-110; 0083-383-120 [Note: By letter dated September 12, 2003, DTSC confirmed that no further removal\remedial action is necessary for the Unit D-1 Parcel residential lots listed in this paragraph.]

Unit D-6 (Residential) Assessor's Parcel Numbers: 0083-532-010; 0083-532-020; 0083-532-030; 0083-553-010; 0083-553-020; 0083-553-030; 0083-553-040; 0083-553-050; 0083-553-060; 0083-553-070; 0083-553-080; 0083-553-090; 0083-553-100; 0083-553-110; 0083-553-120; 0083-553-130; 00083-553-140; 083-553-150; 0083-553-160; 0083-553-170; 0083-553-180; 0083-553-190; 0083-562-010; 0083-562-020; 0083-562-030; 0083-562-040; 0083-562-050; 0083-562-060; 0083-562-070; 0083-562-080; 0083-562-090; 0083-582-010; 0083-582-020; 0083-582-030; 0083-582-040; 0083-582-050; 0083-582-060; 0083-582-070; 0083-582-080; 0083-582-090; 0083-582-100; 0083-582-110; 0083-582-120; 0083-582-130; 0083-582-140; 0083-582-150; 0083-582-160; 0083-582-170; 0083-582-180; 0083-571-010; 0083-571-020; 0083-571-030; 0083-571-040; 0083-571-050; 0083-571-060; 0083-571-070; 0083-571-080; 0083-571-090; 0083-571-100; 0083-571-110; 0083-571-120; 0083-571-130; 0083-571-140; 0083-571-150; 0083-571-160; 0083-571-170; 0083-571-180; 0083-571-190; 0083-571-200; 0083-571-210; 0083-571-220; 0083-572-110; 0083-572-120; 0083-572-130; 0083-572-140; 0083-572-150; 0083-572-160; 0083-572-170; 0083-572-180; 0083-572-190; 0083-572-200; 0083-572-210; 0083-572-220; 0083-572-230; 0083-572-240; 0083-581-010; 0083-581-020; 0083-581-030; 0083-581-040; 0083-581-050; 0083-581-060; 0083-581-070; 0083-581-080; 0083-581-090; 0083-581-100; 0083-581-110; 0083-581-120; 0083-581-130; 0083-581-140; 0083-581-150; 0083-581-160; 0083-581-170; 0083-581-180; 0083-581-190; 0083-581-200; 0083-581-210; 0083-581-220; 0083-581-230; 0083-581-240; 0083-581-250; 0083-581-260; 0083-581-270; 0083-572-010; 0083-572-020; 0083-572-030; 0083-572-

040; 0083-572-050; 0083-572-060; 0083-572-070; 0083-572-080; 0083-572-090; 0083-572-100; 0083-561-150; 0083-561-160; 0083-561-170; 0083-561-180; 0083-561-190; 0083-561-200; 0083-561-210; 0083-561-220; 0083-561-230; 0083-561-240; 0083-561-250; 0083-561-260; 0083-561-270; 0083-561-280; 0083-561-290; 0083-561-300; 0083-561-310; 0083-561-320; 0083-561-330; 0083-561-340; 0083-561-350; 0083-561-360; 0083-552-010; 0083-552-020; 0083-552-030; 0083-552-040; 0083-552-050; 0083-552-060; 0083-542-010; 0083-542-020; 0083-542-030; 0083-542-040; 0083-542-050; 0083-534-010; 0083-534-020; 0083-534-030; 0083-534-040; 0083-534-050; 0083-534-060; 0083-534-070; 0083-534-080; 0083-533-090; 0083-533-100; 0083-533-110; 0083-533-120; 0083-533-130; 0083-533-140; 0083-533-150; 0083-533-160; 0083-533-170; 0083-543-010; 0083-543-020; 0083-543-030; 0083-551-010; 0083-551-020; 0083-551-030; 0083-551-040; 0083-551-050; 0083-551-060; 0083-551-070; 0083-551-080; 0083-551-090; 0083-551-100; 0083-551-110; 0083-551-120; 0083-551-130; 0083-551-140; 0083-551-150; 0083-533-010; 0083-533-020; 0083-533-030; 0083-533-040; 0083-533-050; 0083-533-060; 0083-533-070; 0083-533-080; 0083-531-100; 0083-531-110; 0083-531-120; 0083-531-130; 0083-531-140; 0083-531-150; 0083-531-160

Unit D-7 (Residential) Assessor's Parcel Numbers: 0083-531-010; 0083-531-020; 0083-531-030; 0083-531-040; 0083-531-050; 0083-531-060; 0083-531-070; 0083-531-080; 0083-531-090; 0083-511-010; 0083-511-020; 0083-511-030; 0083-511-040; 0083-511-050; 0083-511-060; 0083-511-070; 0083-511-080; 0083-511-090; 0083-511-100; 0083-511-110; 0083-511-120; 0083-511-130; 0083-511-140; 0083-511-150; 0083-511-160; 0083-511-170; 0083-511-180; 0083-511-190; 0083-511-200; 0083-511-210; 0083-521-010; 0083-521-020; 0083-521-030; 0083-521-040; 0083-521-050; 0083-521-060; 0083-521-070; 0083-521-080; 0083-521-090; 0083-521-100; 0083-521-110; 0083-521-120; 0083-521-130; 0083-521-140; 0083-521-150; 0083-571-230; 0083-522-010; 0083-522-020; 0083-522-030; 0083-522-040; 0083-522-050; 0083-522-060; 0083-522-070; 0083-541-260; 0083-541-270; 0083-541-280; 0083-541-290; 0083-541-300; 0083-541-310; 0083-541-320; 0083-541-330; 0083-512-010; 0083-512-020; 0083-512-030; 0083-512-040; 0083-512-050; 0083-541-100; 0083-541-110; 0083-541-120; 0083-541-130; 0083-541-140; 0083-541-150; 0083-541-160; 0083-541-170; 0083-541-180; 0083-541-190; 0083-541-200; 0083-541-210; 0083-541-220; 0083-541-230; 0083-541-240; 0083-541-250; 0083-535-010; 0083-535-020; 0083-535-030; 0083-535-040; 0083-535-050; 0083-535-060; 0083-535-070; 0083-535-080; 0083-535-090; 0083-535-100; 0083-541-020; 0083-541-030; 0083-541-040; 0083-541-050; 0083-541-060; 0083-541-070; 0083-541-080; 0083-541-090; 0083-561-010; 0083-561-020; 0083-561-030; 0083-561-040; 0083-561-050; 0083-561-060; 0083-561-070; 0083-561-080; 0083-561-090; 0083-561-100; 0083-561-110; 0083-561-120; 0083-561-130; 0083-561-140; 0083-542-060; 0083-542-070; 0083-542-080; 0083-542-090; 0083-542-100; 0083-542-110; 0083-542-120; 0083-534-090; 0083-534-100; 0083-534-110; 0083-534-120; 0083-534-130; 0083-534-140; 0083-534-150; 0083-534-160; 0083-534-170; 0083-534-180

Park Site in Unit D-7: 0083-541-010

Open Space Access Pathway in Unit D-7: Portion of 0083-521-160

RESTRICTED AREAS

Unit D-1 (South Valley Open Space) Assessor Parcel Numbers: 0083-210-180; 0083-381-170

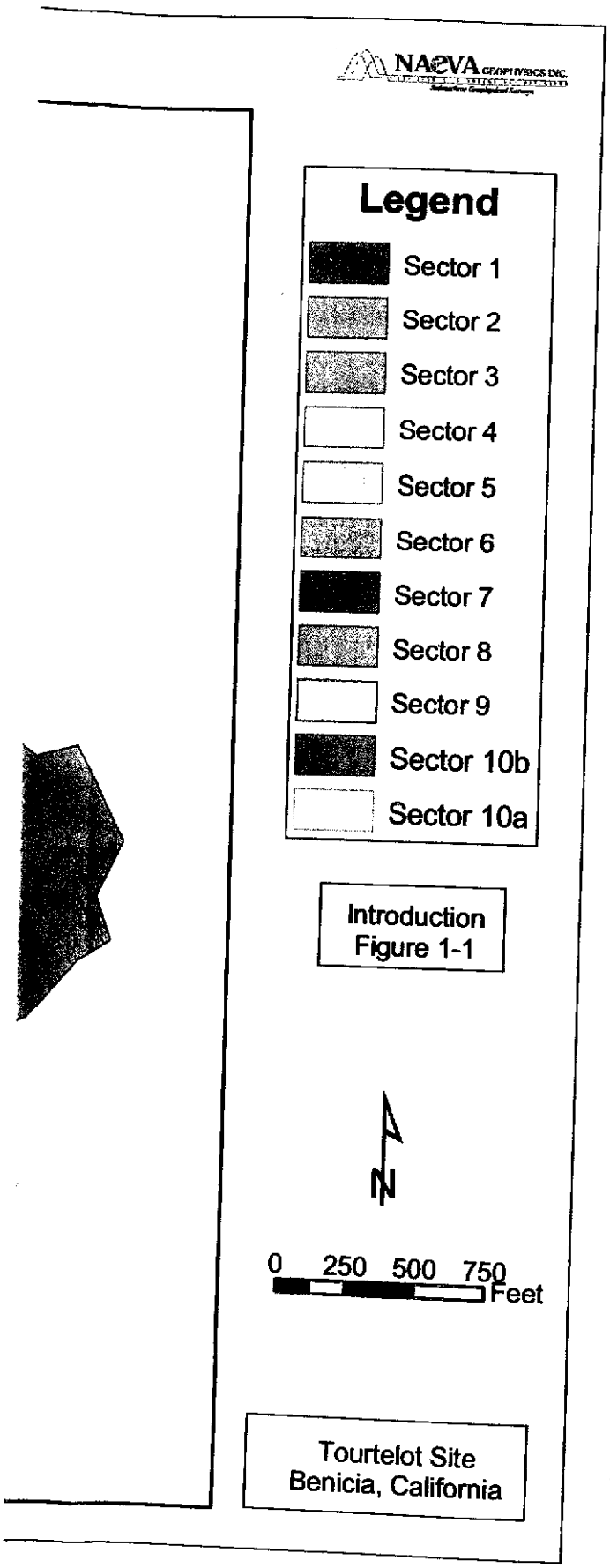
Unit D-4 (South Valley Open Space) Assessor Parcel Numbers: 0083-210-240

Unit D-5 (South Valley Open Space) Assessor Parcel Numbers: 0083-210-260

Unit D-6 (South Valley/North Valley Open Space) Assessor Parcel Numbers: 0083-210-280; 0083-210-290; 0083-582-190; 0083-571-240; 0083-531-170;

Unit D-7 (Open Space North of Development) Assessor Parcel Numbers: 0083-511-220; 0083-521-160

City Owned Open Space Containing Portion of TNT Strips: Portion of 0083-220-080


NAEVA GEOPHYSICS INC.
Legend
Sector 1
Sector 2
Sector 3
Sector 4
Sector 5
Sector 6
Sector 7
Sector 8
Sector 9
Sector 10b
Sector 10a
Introduction
Figure 1-1
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Feet
Tourtelot Site
Benicia, California

Section 2
Tech Memo Narrative

Final Technical Memorandum and Implementation Report Narrative
Tourtelot Cleanup Project, Benicia, California

1.0 INTRODUCTION

This *Final Technical Memorandum and Implementation Report* (Final Report) documents the completion of remedial activities for the Tourtelot Cleanup Project (sometimes referred to as the "Project Site" or the "Site") located in Benicia, California. The Ordnance and Explosives Technical Director and the Project Engineer from Northgate Environmental Management, Inc (Northgate) prepared this report for the California Department of Toxic Substances Control (DTSC) on behalf of Pacific Bay Homes, LLC. The remedial activities were performed in accordance with the *Final Remedial Action Plan* (RAP) approved by DTSC on January 29, 2002, the *Final Tourtelot Project Site Ordnance and Explosives Remedial Design Document* (OERDD) approved by DTSC on March 21, 2002, the *Final Tourtelot Project Site Non Ordnance and Explosives Remedial design Document (Non-OERDD)* approved by DTSC on June 7, 2004, and the *Final Environmental Impact Report* (EIR) certified by DTSC on December 19, 2001.

The remedial activities were implemented in accordance with the Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA), 42 USC Section 9601 et seq., as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA), P.L. 990499, and the National Contingency plan (NCP), 40 CRF Part 300, sub part F. This Final Report is the Implementation Report required by Section 5.13 of the Imminent and/or Substantial Endangerment Determination and Remedial Action Order for the Project Site issued by DTSC on June 1, 1999 (DTSC Order).

During the course of the investigations and ordnance and explosives (OE) clearance operations, on the Project Site, OE-Energetic items, OE-Like items and OE Scrap have been recovered. For purposes of this report, OE-Energetic items are defined as ammunition, ammunition components or explosive ordnance items containing detectable amounts of explosives or other energetic materials that have been abandoned, expelled from demolition pits or burning pads, buried, lost or discarded; or soils with a 10 percent or greater content of explosives. OE-Like items are items that have the physical appearance of an OE Energetic item but do not contain explosives or other energetic materials. OE Scrap is a byproduct generated during the functioning, disposal and/or demilitarization of OE-Energetic and OE-Like items and includes fragments and components from those items that have been determined to be free of energetic material. OE Scrap does not pose a safety risk.

1.1 Project Site and History

The Project Site includes the area commonly known as the Tourtelot Property and consists of approximately 220 acres. The Site is located in the northwest corner of the former Benicia Arsenal, north of Rose Drive and west of East 2nd Street. The Project Site includes features known as the South Valley, Ridge, North Valley, and the Unit D-1 Parcel. From 1944 to 1960 the Tourtelot Property was leased to the U.S. Army as part of the Benicia Arsenal.

From 1849 through 1958, the United States acquired, by lease, license, or in fee, over 2,700 acres in Benicia, Solano County, California, for the Benicia Arsenal. During that time, the Benicia Arsenal was used as a principal depot for ordnance storage, issuance and transshipment. The Project Site was used for a variety of purposes including; (1) the destruction of unserviceable and/or outdated ammunition, TNT, dynamite, munitions, and munition components; (2) refurbishing of munitions; and (3) testing of gun barrels accomplished by firing inert filled projectiles into test tunnels.

After the Benicia Arsenal was closed in 1964, the Tourtelot Property changed hands and plans for residential development were initiated. Portions of the Project Site were zoned for residential use in 1989. In 1990, grading activities were conducted at the Project Site. Soils were cut from the Ridge, the McAllister Drive Land Bridge was constructed, and the Unit D-1 lots were graded.

In mid-1996, during site preparation activities associated with the planned housing development, concrete-filled howitzer shells were unearthed within the boundaries of the Tourtelot Project Site. The discovery of ordnance was reported to the City of Benicia, U. S. Army Corp of Engineers (USACE) and the DTSC. The property was secured and the property owners began working with City of Benicia and USACE for further investigation and cleanup. During further investigations, live ordnance was unearthed. On June 1, 1999, DTSC issued an Imminent and/ or Substantial Endangerment Determination and Remedial Action Order requiring a complete remedial investigation/feasibility study and a clean up be performed.

Investigations including the *Records Research Report* (RRR), *Archive Search Report* (ASRs), the *Engineering Evaluation Cost Analysis* (EECA), the *Remedial Investigation/Feasibility Study, August 6, 2001*(RI/FS), and investigations performed during remediation identified impacts to the Project Site from Department of Defense (DOD) use. The impacted areas identified are listed below:

North Valley

- TNT Strips

- Howitzer Test Facility
- North Valley Military Landfill
- Ammunition Renovation/Primer Destruction Site
- Undocumented Fill (North Valley Floor)

Ridge

- Dynamite Burn Site
- Flare Site-2
- Possible Demolition Site(s)

South Valley

- Flare Site-1
- Flare Site-3
- Demolition Site-1
- Demolition Site-3
- Mercury Impacted Area

1.2 Project Documents

The following key project documents were prepared under direction from DTSC in response to the DTSC Order:

- *Fence and Post Evaluation Work Plan, June 18, 1999*
- *Fence and Post Evaluation Work Plan Addendum, June 28, 1999*
- *Remedial Investigation/Feasibility Study Work Plan, July 31, 1999*
- *Communication and Coordination Plan, August 5, 1999*
- *Public Participation Plan, September 30, 1999*
- *Fence and Post Report, November 12, 1999*
- *Non-Ordnance and Explosives Remedial Investigation/Feasibility Study Work Plan, November 16, 1999*
- *Remedial Investigation/Feasibility Study Site-Specific Safety and Health Plan, November 29, 1999*
- *Non-Ordnance and Explosives Remedial Investigation (RI)/ Feasibility Study (FS) Work Plan, February 15, 2000*
- *Technical Memorandum for Remedial Investigation, March 2, 2000*
- *Draft Negative Declaration and California Environmental Quality Act Initial Study for Non-Ordnance and Explosives Site Characterization at the North Valley Military Landfill at the Tourtelot Property, March 10, 2000*
- *Remedial Action Work Plan (RAW), May 10, 2000*
- *(RI/FS) Remedial Investigation/Feasibility Study, August 6, 2001*
- *Draft Environmental Impact Report, September 12, 2001*
- *Certified Environmental Impact Report (EIR, December 19, 2001*
- *Remedial Action Plan (RAP), January 29, 2002*

- *Tourtelot Project Site Ordnance and Explosives Remedial Design Document (OERDD), February 2002 and amendments (FCR's)*
- *Non-Ordnance and Explosives Remedial Design Document (Non-OE RDD), June 7, 2002 and amendments (FCR's)*
- *D-1 Technical Memorandum, September 12, 2003*
- *North Valley Non-Ordnance and Explosives Remediation Report, June 30, 2003, revised August 11, 2003*
- *TNT Strips Ordnance and Explosives and Non-Ordnance and Explosives Remediation Report, December 4, 2003, revised February 23, 2004*
- *Non-Ordnance and Explosives Remediation Report Investigation Areas Report, December 22, 2003*
- *South Valley and Ridge Area Non-OE Remediation Report, March 22, 2004*
- *Site-Wide Post-Remediation Risk Assessment Report, April 7, 2004*
- *Explosive Safety Submission and 3 amendments: Basic ESS (Feb 2002), ESS Amend #1 (September 18, 2002), ESS Amend #2 (July 17,2003), ESS Amend #3 (December 18, 2003).*
- *Geophysical Quality Control Report, February 27, 2004*
- *Final Draft Conceptual Site Model (CSM), June 2, 2004*
- *Final Technical Memorandum and Implementation Report (Final Report/Version-4/June18, 2004.)*

1.3 Investigations Performed

USACE conducted historical investigations of the former Benicia Arsenal, including the Project Site, in 1994, 1996, and 1999 (see the March 1994 ASRs, the May 1997 Supplemental ASR, and the 1999 RRR.) In addition, the USACE performed a March 2000 EE/CA to evaluate potential OE and assess safety risks at the former Benicia Arsenal.

1.4 OE Investigations and 1996 Clearance Activities

A limited geophysical survey was conducted on behalf of Granite Management Corporation in August 1996. Later that year, a more complete geophysical survey was conducted over the entire Project Site, excluding the cut portion of the Ridge, the west portion of the South Valley, and the wetland area in the South Valley, to assess the distribution of metallic anomalies.

The geophysical surveys conducted identified metallic anomalies at the Project Site. The data collected from these surveys were used to perform OE clearances in August and December 1996 and to support a USACE OE investigation of the former Benicia Arsenal, including the Project Site and adjacent property, in March 1999. The 1996 clearance areas included the Howitzer Test Facility Site and an additional approximately 8.5 acres of the Project site. As a result of these

clearances and investigations, a total of nine OE-energetic items related to U.S. Army site activities were recovered from the Project Site.

Additionally, in May 2000, an investigation and partial OE clearance of the North Valley Military Landfill was conducted to facilitate the characterization of soil beneath the landfill. About one-half of the geophysical anomalies cleared from the North Valley Military Landfill were OE-Scrap. No OE-Energetic items were encountered.

1.5 Non-OE Investigations

A preliminary investigation of surface soil and surface water was conducted on behalf of Granite Management Corporation in 1998 to obtain chemical data sufficient to develop a work plan for the Non-OE investigation.

Building on the preliminary investigation, four investigations were conducted between May 1999 and August 2000, primarily to evaluate the presence and extent of chemicals in the areas of interest identified during the investigative process. The four investigations included the interim investigation, Remedial Investigation, data gaps investigation, and the removal action investigation. With the exception of the removal action investigation, these investigations were performed using techniques to avoid metallic anomalies (ordnance avoidance techniques). Data from these and the previous investigations were used to help define the nature and extent of OE (soil with greater than 10 percent TNT), Chemicals of Concern (COCs), to the extent possible based on ordnance avoidance techniques, and to evaluate remedial action alternatives.

1.6 Remedial Investigation/Feasibility Study

In November 2000, the RI/FS was released for public review and comment. The document consisted of two sections. The RI section presented the results of the investigations conducted at the Project Site. These investigations characterized OE and chemical (non-OE) impacts at the Project Site. The investigative work performed led to the identification of several areas of interest where site activities may have impacted fill materials, native soil, bedrock, sediments in wetland areas, surface water, and groundwater. The FS section was based upon the data collected in the RI. The FS identified and evaluated potential remedial alternatives for the Project Site and presented the recommended alternative. Eight alternatives were developed and screened for effectiveness, implementability, and cost. Five of these alternatives were retained for further screening, focusing on the nine criteria contained in regulatory guidance (overall protection of human health and the environment; compliance with regulatory requirements; long-term effectiveness and permanence; short-term effectiveness; reduction in toxicity and mobility; or volume; implementability; cost; regulatory acceptance; and community acceptance). In addition, the RI/FS assessed, through screening level assessments, the human health and

ecological risks associated with the chemical impacts identified in the RI. The RI/FS was approved by DTSC on July 20, 2001.

1.7 Remedial Action Plan and Environmental Impact Report

In September 2001, the RAP and corresponding EIR were released in draft form for public review and comment. The RAP presented the remedial actions to take place as part of the cleanup project and the EIR addressed the potential environmental impacts of those actions and proposed mitigation measures, if appropriate. Eight cleanup alternatives were evaluated for the cleanup. Based on input from members of the public, the Tourtelot Community Advisory Group (CAG), USACE and the Regional Water Quality Control Board (RWQCB), Alternative 5A described in the RI/FS was selected.

Alternative 5A included point clearance of the entire site and Area Wide Clearance in future residential areas having a potential for containing OE and removal and disposal of chemically affected soil exceeding remediation goals. Area Wide Clearance involves scanning, anomaly removal, and excavation of soil in layered lifts. The RAP required soils removed in Area Wide Clearance to be placed in the North Valley, scanned once more for OE, and covered with a 14-foot thick layer of OE-free fill. The RAP also required institutional controls be applied in areas of the Project Site that are zoned for open space use and on portions of the streets on the Project Site that had been paved prior to discovery of OE on the Project Site.

2.0 FIELDWORK

The cleanup activities required by the RAP were conducted at the Project Site from February 2002 to June 2004. Final remedial actions for OE and for chemically impacted soil were performed with oversight from DTSC and USACE as detailed in the RAP, the OERDD and the Non-OERDD. The chemically impacted soils were remediated to the Remedial Action Objectives (RAOs), which were developed during preparation of the RI/FS. The OE remediation was performed property line to property line and included the entire Project Site. The chemical remediation included the following areas:

- TNT Strips
- North Valley Areas 1 and 2
- North Valley Soil Stockpiles
- Flare Site-1
- Flare Site-2
- Flare Site-3
- Certain BIP Locations

Section 3
Appendices 1 thru 18

2.1 Ordnance and Explosives Investigation/Remediation

In accordance with the OERDD approved in February 2002, OE cleanup was initiated in March 2002. The intent of the fieldwork was to comply with the procedures and requirements of the OERDD. In some cases, during the course of the fieldwork it became necessary to modify the OERDD to address actual field conditions and to clarify the meaning of the OERDD, as necessary. The ability and necessity to change the OERDD was envisioned in the OERDD and is discussed in Section 6.9 of the OERDD. Field Change Requests (FCRs) were made and approved by the OE Contractor, DTSC, and the USACE. FCRs are considered as amendments to the OERDD.

2.2 **Site Boundary Survey** (Appendix 1A)

A State Certified Surveyor surveyed the site boundaries.

2.3 **Vegetation Clearance** (Appendix 1B)

The Project Site was cleared of vegetation to a height of 6 inches or less to prepare for surface clearance. Additional vegetation clearance was conducted as necessary throughout the duration of the project.

2.4 **Removal of Debris Piles** (Appendix 1C)

Existing debris piles were inspected for OE and transported to a suitable landfill for disposal.

2.5 **Boundary Fence Removal/Relocation** (Appendix 1D)

Where feasible, boundary fence lines were removed and relocated to assist geophysical mapping efforts.

2.6 **Grid Layout Survey** (Appendix 1E)

Survey crews laid out a 100-foot by 100-foot grid pattern over the entire Project Site using corner stakes to indicate grid corners. The grid system allowed for accurate tracking and logging of clearance operations.

2.7 **OE Surface Clearance** (Appendix 2A)

The entire Project Site was surface cleared. Surface clearance involved a systematic search of the ground surface visually assisted with hand-held geophysical survey instruments using a walking sweep line to clear each grid of OE, OE scrap, and non-OE surface debris that could impact future subsurface detection and mapping.

In order to maintain a safe distance between OE clearance work and the public, adjacent residences were evacuated during surface clearance work that occurred within 200 feet of residences.

2.8 **Phase-1 and Phase-2 Point Clearances** (Appendix 2B)

Prior to the commencement of Phase 1 Point Clearance Operations, a test area referred to as the Geo Test Plot or Test Plot was established. Its purpose was for instrument check out and verification. The 400-foot by 425-foot Geo Test Plot was located across a sloping hilltop in the southeastern portion of Sector-6 within the survey area and was maintained for the duration of data collection activities.

The test plot was designed primarily for geophysical contractors to demonstrate the ability to perform the work and validate the detection capabilities of the instrumentation under the site-specific geologic and terrain conditions. Each system and/or geophysical survey instrument was required to demonstrate its capability in the Test Plot prior to its approved use on Site. The same process was required for systems/instruments after they had undergone maintenance.

The Geo Test Plot was seeded with numerous targets at various locations and depths. Seed items were selected based on the known munitions that are characteristic of what was anticipated during intrusive investigations at the Site. Historical records of previous site activities and work, as well as the EE/CA conducted by USACE, were used to determine what specific seed items would be planted in the test plot. Of the various OE items known to exist on the Site, the 37mm projectile was considered to be the most hazardous item of concern for the southern portion of the Site and was therefore declared the Most Probable Munition (MPM) for that area. The 60mm mortar was considered to be the most hazardous item of concern for the northern portion of the Site so was declared the MPM for that area (see figure 3-4 of the OERDD). This information was primarily used in establishing required separation distances to be enforced during OE operations in each area. As the 37mm projectile was expected to be found in many areas of the Site and represented the most difficult item of concern to detect, it was declared the "calibration item". The reliable depth of detection of the calibration item with all systems was determined to be one foot, defining the "calibration target" as a horizontal 37mm projectile on a north/south axis at a depth below the ground surface to the top centerline of the projectile of 12 inches.

A short distance northwest of the Geophysical Test Plot Area, Sector 10B was established (300-foot by 300-foot.) Its purpose was the validation of all geophysical survey systems and procedures prior to their authorized use on Site. As in the test plot, the area was blind seeded with various items including examples of the MPM. Procedures validated in Sector 10B included geophysical survey mapping, data processing, target selection, reacquisition, and the intrusive investigation process. All 37mm projectiles or larger seed items located

at a depth of 12-inches or less had to be recovered in order to receive final approval to start operations on site.

Utilizing approved geophysical instruments and procedures and approved OE recovery procedures, the Project Site was mapped; targets were identified, reacquired and dug (Phase I). Upon completion of Phase I work in an individual grid, the entire process was repeated (Phase II).

In order to maintain a safe distance between OE clearance work and the public, adjacent residences were evacuated during Phase I and Phase II point clearance work that occurred within 200 feet of residences and public roads.

On a grid-by-grid basis geophysical data was reviewed and compared to dig results by Quality Control (QC) Section personnel. Additional mapping and digging was performed as needed until the QC Section was satisfied that all appropriate targets were dug and items recovered matched the geophysical data. QC then submitted the data and dig results to the Quality Assurance (QA) contractor, who represented the DTSC. The QA contractor reviewed the geophysical data and also revisited digs and utilized geophysical instruments to verify that the OE clearance requirements outlined in the OERDD had been met. QA then signed off grids on a grid-by grid basis.

A variety of geophysical instruments were utilized due to terrain and cultural interference. For instance, in the area of the project abutting residences, hand held geophysical instruments were used to compensate for interference caused by metal in the fences.

Portions of the project were not digitally mapped but cleared real time (analog) utilizing hand held geophysical instrumentation. This occurred in Sector 7, an area previously cut to bedrock and in the wetlands, discussed below. Please refer* to the *Geophysical Quality Control Report, Tourtelot Cleanup Project (Naeva 2004)* for a more detailed discussion of the geophysical mapping and recovery process.

2.9 Additional OE Clearance Procedures

The Demolition Sites, areas around the demolition sites, flare sites and the majority of the stockpiled soils were identified as so saturated with metallic anomaly sources that the geophysical driven procedures in use for the point clearance process were proven too inefficient and extremely difficult to accomplish. This resulted in the development and approval of alternative procedures. The procedures developed are referred to as Mechanical Removal, Mechanical Sifting, and Spread and Scan.

Mechanical Removal operations utilized heavy earthmoving equipment modified with armor to protect the operator to remove soils with the potential to contain OE

for further processing. Mechanical Removal occurred in the demolition pits, where soil was removed to bedrock and in areas surrounding the demolition pits where soil was scraped to a depth of approximately 18 inches. Confirmation scanning was performed in areas where Mechanical Removal was conducted to verify OE was not left behind.

Once excavated, soils were processed to clear them of OE. Soils with a high incidence of metallic debris were processed through a mechanical sifter to separate material and metallic debris from soils. QC/QA reviews and resifting of 10 percent of the materials were performed to verify that OE items did not go undetected. The sifted soils containing chemical concentrations meeting the Preliminary Remediation Goals (PRGs) were placed in the North Valley as deep fill material.

Soils excavated with fewer incidences of metallic anomalies were spread into layers and scanned in 12-inch lifts utilizing hand held geophysical survey instruments in order to remove metallic materials. QC/QA reviews were performed on the spread and scan operations to verify that OE items did not go undetected. The spread and scan soils containing chemical concentrations meeting the PRGs were placed in the North Valley as deep fill material where they were spread and scanned and QC/QA processed once more to verify OE items did not go undetected.

2.10 **Removal of North Valley Stockpiles** (Appendix 3A)

Stockpiles in the North Valley were transported to the Ridge for processing.

2.11 **Removal of North Valley Undocumented Fill** (Appendix 3B)

Undocumented fill in the North Valley was removed and transported to the Ridge for processing. Confirmation mapping and reacquisition were conducted on the areas under the fill.

2.12 **Removal of North Valley Military Landfill** (Appendix 3C)

The North Valley Military Landfill was removed and transported to the Ridge for processing. Confirmation mapping and reacquisition was conducted on the areas under the landfill.

2.13 **Remediation of Flare Site-1** (Appendix 4A)

Flare Site-1 soils were removed and transported to the Ridge for processing. After removal of OE, chemically impacted soils were off-hauled to a suitable landfill for disposal. Flare Site-1 was backfilled with OE free material.

2.14 **Remediation of Flare Site-2** (Appendix 4B)

Flare Site-2 soils were removed and moved to another location on the Ridge for processing. After removal of OE, chemically impacted soils were off-hauled to a suitable landfill for disposal.

2.15 **Remediation of Flare Site-3** (Appendix 4C)

Flare Site-3 soils were removed and transported to the Ridge for processing. After removal of OE, chemically impacted soils were off-hauled to a suitable landfill for disposal. The portion of Flare Site-3 not in the wetlands was backfilled with OE-free material.

2.16 **Remediation of Demo Site-3** (Appendix 5A)

Heavy equipment modified to protect the operator in the event of an unplanned detonation was used to excavate Demo Site-3. The final excavation was approximately 80-feet in diameter and 26-feet deep. Final confirmation scans indicated all detectable anomalies had been removed. The excavated soils were transported to the Ridge for processing by mechanical sifting to remove OE.

2.17 **Remediation of Demo Site-1** (Appendix 5B)

Heavy equipment modified to protect the operator in the event of an unplanned detonation was used to excavate Demo Site-1. The excavated soils were transported to the Ridge for processing by mechanical sifting to remove OE. During excavation the remains of a burn kettle were removed from the site. Final confirmation scans indicated all detectable anomalies had been removed.

Soils with concentrations meeting the PRGs were placed in the North Valley as deep fill material.

2.18 **Confirmation Scan / North Slope of the South Valley** (Appendix 6A)

The mechanical removal area on the North Slope of the South Valley was mechanically scraped to an approximate depth of 18-inches. The scraped soils were stockpiled on the Ridge for processing. The scraped area was then confirmation scanned.

2.19 **Confirmation Scan / South Slope of the South Valley** (Appendix 6B)

The mechanical removal area on the South Slope of the South Valley was mechanically scraped to an approximate depth of 18-inches. The scraped soils were stockpiled on the Ridge for processing. The scraped area was then confirmation scanned.

2.20 Remediation of TNT Soil With Concentrations at or Greater than 10% (Appendix 7A)

The top 48-inches of the TNT strips considered to have the greatest potential to contain 10% or higher concentrations of TNT were mechanically homogenized through plowing and disking until the soils tested were below the 10% threshold. These soils were off-hauled to a suitable landfill for disposal.

2.21 Non OE Remediation Activities (Appendix 8A)

The RI/FS was completed for the Project Site that describes the pre-remediation soil, surface water, and groundwater sampling and analysis results. The RI/FS also developed and evaluated alternatives for the remediation of chemically affected soil at the Project Site. As part of the RI/FS, a screening assessment of ecological and human health risks was conducted, and results were used to develop PRGs for discrete areas of the Project Site.

The post RI Non-OE investigation and remedial activities at the Project Site were performed in accordance with the Non-OE RDD. The Non-OE RDD describes the technical and operational plans for investigating and remediating chemically affected soils in accordance with the RI/FS and RAP. From February 2002 through February 2004, various areas of the Project Site (North Valley Area, TNT Strips Area, South Valley and Ridge Area, and other non-OE investigation areas) underwent investigation and remedial activities. The locations of these areas and their future land use designations (residential or open space) are presented in Figure 2 of Appendix 8A.

2.21.1 Non-OE Implementation Reporting

Non-OE implementation reports were submitted to DTSC presenting the results of non-OE investigations, remedial activities and confirmation sampling in each of these areas. In accordance with the RAP and Non-OERDD, a post remediation risk assessment evaluating potential human health risk and ecological impacts, if applicable was completed following remedial activities for each of these areas. The purpose of the post-remediation risk assessment was to verify that residual chemical concentrations in each of the areas are protective of human health and the environment and to identify any areas requiring further evaluation, if needed.

The following implementation reports* were submitted to DTSC:

- *North Valley Non-Ordnance and Explosives Remediation Report (Northgate 2003a)*

- *TNT Strips Ordnance and Explosives and Non-Ordnance and Explosives Remediation Report (Northgate2003c)*

- *South Valley and Ridge Area Non-Ordnance and Explosives Remediation Report (Northgate 2004)*

The results of investigations in other areas of the Project Site that did not require remediation were reported in the *Non-Ordnance and Explosives Investigation Areas Report (Northgate 2003b).*

2.21.2 Post Remediation Risk Assessment

At the request of DTSC, following remediation of chemically-impacted soils at the Site, Exponent (Pacific Bay Homes Non-OE Risk Consultant) prepared a site-wide risk assessment report. The site-wide risk assessment compiles the human health and ecological post-remediation risk assessments that were previously submitted to DTSC into one document that addresses soil impacts and assesses cumulative risks to human health and the environment for the Project Site as a whole. The post-remediation risk assessment focuses on potential human health risks in which exposure to residual chemicals in soil via incidental ingestion, dermal contact, and inhalation of vapors or particulates is assumed. A screening level ecological assessment was conducted for all the areas that are to remain as open space, including wetlands sediment in the South Valley. An assessment of the hypothetical use of groundwater beneath the Project Site as drinking water was also conducted.

Health risk estimates presented by Exponent in the Site-Wide Risk Assessment represent conservative estimates of the risks, if any, posed by residual chemicals at the Project Site. The results of the post-remediation risk assessment should be interpreted within the context of the uncertainty that is inherent in many aspects of the risk assessment process.

The results of this site-wide post remediation risk assessment indicate that residual chemicals concentrations should not pose a potential health hazard to future Project Site users or residents. Additionally, the ecological assessment of the wetlands sediments indicate that the concentrations of chemicals detected in the soil and sediment are not expected to pose any threat to plants or wildlife.

No significant chemical impacts to water were identified in the RI/FS and subsequent monitoring. Therefore, Northgate requested that the monitoring program be modified. As approved by DTSC the monitoring program for the Site was modified as follows; groundwater monitoring activities are to be curtailed,

and seep, subdrain and surface water will be monitored semi-annually for a two year period. Existing monitoring wells will remain in-place in the South Valley during the two year period and until the DTSC approves well closure.

2.22 **Processing of Stockpiled Soils (Mechanical Sifting and Spread and Scan)** (Appendix 9A)

Soils were processed for removal of OE through Mechanical Sifting and/or Spread and Scan methodologies from the following areas: Consolidated Sector 7 Stockpiles, Flare Sites 1, 2 & 3, North Valley Stockpiles 1, 2 & 3, North Valley Undocumented Fill soils, North Valley Military Landfill soils, South Valley Saturated and Mercury Impacted soils, Demo Sites 1 & 3, Unit D-1 Parcel excavated fill soils and soils excavated from utility trenches in previous fill areas. QC/QA reviews and resifting of approximately 10 percent of the materials were performed to verify that OE items did not go undetected.

2.23 **Completion of Area Wide Clearance** (Appendix 10A, 10B)

Based on OE clearance data collected in the field, future residential areas suspected of having the potential to have OE items remaining after the Point Clearance operations received Area Wide Clearance. Area Wide Clearance involved scanning, anomaly removal, and excavation of soil in layered lifts. This process was repeated until OE and OE scrap were not found for two consecutive lifts. If bedrock was encountered, the Area Wide Clearance process was considered to be complete since bedrock is considered free of OE.

Two discrete areas were identified for Area Wide Clearance. One area was south of the Ridge bedrock cut area and one area was east/north east of the bedrock cut area. These areas included approximately 90 grids.

Area Wide Clearance areas were scanned using real time procedures and were excavated using scrapers. Soils removed in lifts were taken to the bottom of the North Valley where they were spread and scanned again to verify complete removal of OE.

2.24 **Remedial Grading** (Appendix 11A)

Remedial Grading was the final OE remediation measure implemented for future residential areas. Remedial grading involved the excavation of old fill material from the bottom of the North Valley, excavation of soils to bedrock, and the placement of certified OE-free material (at least 14 feet thick or less in near bedrock areas) in the future residential areas.

2.25 **Completion of Land Bridge Barrier Installation** (Appendix 12A)

During the OE clearance operations on the Land Bridge, OE and OE Scrap items were recovered. OE clearance was completed on the Land Bridge but it was acknowledged that OE items might be present below the depth of the clearance. A plan (Land Bridge Barrier Plan) was developed to prevent future digging in the Land bridge by placing a digging barrier on the slopes of the Land Bridge.

Prior to completing the Unit D-1 Parcel sign off process the first 200-feet of the digging barrier (wire mesh) was installed on the slopes of the Land Bridge. The remainder of the wire mesh was installed per the Land Bridge Barrier Plan.

2.26 **Wetlands** (Appendix 13A, 13B and 13C)

The wetlands portion of the South Valley posed particular challenges for OE clearance activities due to site conditions and environmentally sensitive habitat. Portions of the wetland in the western end of the South Valley were deemed clear of OE without the need for further clearance procedures. Portions of the wetlands in the central portion of the South Valley were dewatered and cleared through point clearance operations. Because the eastern portion of the wetlands is adjacent to the Demolition Site 3, that portion of the wetlands had a high metal content. To minimize impacts to the environmentally sensitive wetlands area, the Mechanical Removal approach discussed in Section 2.9 of this Report was not used in the wetlands. Instead, an alternative clearance process was approved for the portion of the wetlands adjacent to Demolition Site 3 containing high concentrations of metal (See *Proposed Wetlands OE Removal Plan, Tourtelot Cleanup Project, Benicia, California*). Because the alternative clearance process used for the portion of the wetlands with heavy metal saturation may not have located all OE items for removal from beneath the deep sediment layer of the wetlands, additional risk reduction measures are being implemented for such areas through the Institutional Controls discussed in Section 3 of this Final Report.

2.27 **Confirmation Scans of Fill Slopes** (Appendix 14A)

All fill slopes were confirmation scanned by OE teams using real time procedures.

2.28 **Disposal of all OE-Energetic Items** (Appendix 15A)

A total of 4,471 OE-Energetic items were disposed in the Donovan Confined Detonation Chamber. A total of 18 OE-Energetic items too large for the chamber were disposed of in the Planned Detonation Pit. A total of 41 OE-Energetic items determined not safe to move were Blown In Place (BIP) for disposal.

2.29 **Disposal of all OE-Like Items** (Appendix 15B)

All OE-Like items were hand sorted to verify none were OE-Energetic (contained energetic materials). All OE-Like items were off-hauled, demilitarized and properly disposed of.

2.30 **Disposal of all OE-Scrap** (Appendix 15C)

All OE-Scrap were hand sorted to verify none were OE-Energetic or contained energetic materials. All OE-Scrap were off-hauled and disposed of at an appropriate landfill.

2.31 **Verification of Data Base Closeout** (Appendix 16A)

As of June 18, 2004 the Tourtelot Site Data Base has been closed out. A 100% QC of the Tourtelot Site Data Base has been conducted and corrective actions completed. A QA audit has also been conducted.

3.0 INSTITUTIONAL CONTROLS

In accordance with the RAP and OERDD, Point Clearance, Area Wide Clearance, and installation of the 14-foot thick OE free layer have been implemented in residential areas. Point Clearance, Area Wide Clearance, and installation of the 14-foot thick OE free layer are intended to eliminate any potential pathway for exposure to OE, and to allow future unrestricted use of the residential areas of the Project Site, without the need to impose institutional controls on such areas. The unrestricted areas (Unrestricted Areas) include all of the residential lots on the Project Site, a park site located in the area of the Project Site identified on subdivision maps as Unit D-7, an open space access trail between two lots in the area of the Project Site identified on subdivision maps as Unit D-7, and all of the streets and other paved areas on the Project Site with the exception of two paved areas that are designed as Restricted Areas as described in the following paragraph. The Assessor Parcel Numbers for the residential lots and park site that are Unrestricted Areas are set out in Section-1 of the Final Technical Memorandum and Implementation Report (Final Report.)

To further reduce potential for exposure to OE in the nonresidential areas of the Project Site, the RAP requires that institutional controls be applied to open space parcels and to two paved areas of the Project Site that had been paved prior to discovery of OE items at the Project Site (Restricted Areas). The Assessor Parcel Numbers for the open space parcels that are within the Restricted Areas are set out in Section-1 of the Final Report. The paved portions of the Project Site that are Restricted Areas are identified on Exhibit B to the Covenant to Restrict Use of Property. (See Appendix 18 for a copy of the Covenant.) The Dry Utilities Trench (i.e., the trench where electrical, telephone, cable television and similar lines are located) adjacent to the restricted portions of McAllister Drive identified on Exhibit B to the Covenant has been cleared of fill that may

have potentially contained OE. Accordingly, the Dry Utilities Trench is not considered a Restricted Area.

The institutional controls prohibit residential and certain other specified land uses in the open space portions of the Restricted Areas and impose safety controls on any future excavation activities in the Restricted Areas. The institutional controls for the Project Site are set out in four related documents which include a Covenant to Restrict Use of Property ("Covenant"), a Contingency Action Plan ("CAP"), an Operations and Maintenance Plan ("O&M Plan") and an Operations and Maintenance Agreement ("O&M Agreement"). Copies of each of these documents are contained in Appendix 18, and each document is briefly described below.

3.1 Covenants to Restrict Use of Property

Land use restrictions on the Restricted Areas are being implemented through the Covenant. The Covenant provides that the open space parcels within the Tourtelot Project Site must remain open space. The Covenant also prohibits certain land uses that would otherwise be permitted in the open space under a special use permit from the City of Benicia, including (by way of example) residential use or use as a hospital. These land use restrictions are designed to prevent alternative uses of the open space that could be incompatible with the level of OE clearance required by the RAP for areas not intended for residential use. The Covenant's land use restrictions also apply to the open space parcel that comprises a portion of the TNT strip location. The TNT remediation in such open space areas was based on cleanup standards appropriate for use as open space and it is accordingly appropriate to prohibit alternative land use.

The Covenant also requires that special safety precautions be used for any Excavation Activities in the Restricted Areas. "Excavation Activities" means excavation or other ground-intrusive activities in the Restricted Areas that would require any digging or other penetration of the land surface that involves: (1) the displacement of 10 cubic feet or more of soil within one foot of the surface on any portion of the Restricted Areas located in Open Space parcels, (2) any penetration to a depth greater than one foot on any portion of the Restricted Areas located in Open Space Parcels or (3) any penetration beneath the aggregate base that underlies the asphalt concrete surface of the restricted paved areas. The safety measures for Excavation Activities are to be implemented through the CAP.

3.2 Contingency Action Plan

The safety controls applicable to future Excavation Activities in the Restricted Areas are set out in the CAP. The Restricted Areas have been assigned to one of four designations: (1) open space areas not requiring institutional controls because they do not have a potential to contain OE (Clear Areas), (2) OE Construction Support Areas, (3) the Wetlands Risk Reduction Area and (4) OE

Notice Areas. The designations for the Restricted Areas are shown on Figure 2-4 to the O&M Plan (Appendix 18). The Clear Areas are subject to the restrictions of the Covenant that prohibit changes in the "Open Space" land use designations of the Restricted Areas; but Excavation Activities in the Clear Areas are not subject to any special requirements under the Covenant and CAP. The CAP imposes the following requirements on Excavation Activities in the remaining parts of the Restricted Areas. When Excavation Activities occur in OE Construction Support Areas, unless the work is occurring in emergency circumstances where delays may jeopardize public safety, a work plan must be submitted in advance to DTSC and a military trained OE Technician is to be present while Excavation Activities are occurring. Before Excavation Activities may occur in the Wetlands Risk Reduction Area, OE clearance must be undertaken in the area where Excavation Activities will occur in accordance with a work plan prepared by a California licensed engineer and approved by DTSC. When Excavation Activities occur on OE Notice Areas, the personnel who conduct the Excavation Activities are to be given a notice alerting the personnel to the possibility that OE items could be present and instructing them on the action to be taken if an OE item is found.

3.3 O&M Plan

The RAP provides that upon completion of OE point clearance, soil remediation and a post-remediation risk assessment, institutional controls are to be finalized and final monitoring requirements set out in an O&M Plan. The O&M Plan was prepared to satisfy this RAP requirement. The requirements of the O&M Plan are designed to monitor and maintain the effectiveness of the remedial actions at the Project Site.

3.4 O&M Agreement

The requirements imposed by the CAP and the O&M Plan is incorporated into and is to be implemented by the O&M Agreement, as required by Section 5.14 of the DTSC Order. The parties to the O&M Agreement include DTSC, the City of Benicia (which will be the owner of all of the Restricted Areas following completion of remedial work at the Project Site) and Pacific Bay Homes, LLC; Granite Management Corporation and FN Projects, Inc.

4.0 CONCEPTUAL SITE MODEL

Following completion of OE Point Clearance, three preliminary Site Conceptual Models (Preliminary CSMs) were prepared. The purpose of the Preliminary CSMs was to utilize the existing information including the documented site history, findings from chemical and OE investigations, and findings from cleanup of the Project Site to assess how the Department of Defense (DOD) used the site and to assess the distribution of OE items on and possibly off of the Project Site. The assessments in the Preliminary CSMs were used to identify the areas where

further clearance was recommended (Area Wide Clearance) and provide a basis for developing the institutional control documents.

A Final Conceptual Site Model* (Final CSM) has been prepared and submitted to DTSC and USACE for review. The Final CSM combines the data and findings from the Preliminary CSMs and provides additional data for assessing potential for off-site risks.

4.1 CSM Findings from Cleanup of the Project Site

Chemicals. Additional chemically impacted soil areas were found during the cleanup activities. These areas included:

North Valley Areas 1 and 2
Ridge Flare Site 2
South Valley Flare Site 3

The chemicals found in these areas were consistent with the historical uses except for Area 2, which contained concentrations of pesticides as well as petroleum.

Ordnance. The types of OE items recovered appeared consistent with those expected based on the historical record searches, on-site OE investigations, and pre-2001 cleanup efforts. The number of OE-Energetic and OE-Like items and density of OE Scrap exceeded pre-cleanup expectations. These larger numbers of OE related items were attributed primarily to the heavy use of Demolition Sites 1 and 3.

OE-Energetic, OE-Like and OE Scrap patterns also suggested less frequent use of the Ridge and the North Valley for demolition operations.

No live firing or dropping (aerial bombing) of OE occurred on the Project Site. With few exceptions, OE related items were recovered at depths less than 12 inches, which was consistent with demolition operation use. The exceptions appeared to be related to past grading operations where items were inadvertently buried or were in landslide areas.

Two areas on the Ridge were recommended for Area Wide Clearance. The presence and limits of these areas were based on the Preliminary CSMs. These areas were thought to have a potential for OE to have existed below the depth of the geophysical scans.

In 1990 a portion of the Ridge was used as a borrow site for materials to construct the McAllister Drive Land Bridge. During OE clearance operations, OE-Energetic, OE-Like items and OE Scrap were recovered from the slopes of

the Land Bridge. Finding of these OE related materials in the Land Bridge is consistent with the findings of the RI/FS.

No OE related materials were recovered from the western portion of the South Valley during OE clearance operations. This area was recommended for "no further action" in the CSM.

4.2 Off Site Issues

The historical records show that a portion of the Ridge and a portion of the D-1 Parcel were used as borrow areas in 1990 as a source of fill materials. As discussed above, a large portion of the Ridge borrow material was used as fill in the Land Bridge and was not taken off of the Project Site. The CSM evaluates the historical records including aerial photographs, grading plans, grading reports and other sources and concludes that there is a very low risk associated with the possible presence of OE off of the Project Site. It also concludes that the existing OE education program for the Benicia public and City staff should continue.

* Copies of documents identified with an asterisk (*) have been made available to:

Benicia Public Library
150 east L Street
Benicia, CA 94510
(707) 746-4343

DTSC
8800 Cal Center Drive
Sacramento, CA 95826
(916) 255-6684

Appendix 1A: Site Boundary Survey

CERTIFICATE OF COMPLETION

Appendix – 1A: Verification of Completion / Site Boundary Survey

The following actions were completed in accordance with requirements outlined in the Tourtelot Project Site OERDD for a Boundary Survey.

1. A State Certified Surveyor from the Company of Robert Karn and Associates located 3 local monuments that were used to establish three control points on the Tourtelot Project Site.

2. A survey of the site boundaries was accomplished. Marking stakes were placed every 100-feet along the boundary and at every point the boundary changed direction.

LAST ENTRY

I hereby verify that the above stated actions were completed and meet the requirement for these activities outlined in the Tourtelot OERDD (as amended.)

Joe L. Bird
Project Manager
Director, OE Programs

Date: 6/18/04

Concur/Non-Concur

Jeffrey D. Anderson
3rd Party QA

Date: 6/18/04

northgate
environmental
management, inc.

UXO QUALITY CONTROL INSPECTION AND AUDIT LOG

DATE: 4/27/2004	TIME:	LOG #: 911
Project #: 7001	LOCATION: Tourtelot, Ca.	
WEATHER CONDITION:		

I. AREAS INSPECTED: (Listed by grid number, coordinates or description) North Valley, western boundary, expansion of western toe keyway.

II. INSPECTION RESULTS: OE QC pass. Conducted an OE QC 10% real time audit and observation of dig team 3 conducting real time scan operations on the area listed in section 1 on 4/26/04.The QC audit was performed using a White's Induction Pro locator, no OE or OE like items found.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Quality Control Manager

Project Manager SUXO

3629 Grand Ave., Oakland, CA 94610 telephone: 510.839.0688 fax 510.839.4350
Other office in San Rafael, California 415 492-0310 fax 415 492-0542

Appendix 1B: Vegetation Clearance

CERTIFICATE OF COMPLETION

Appendix – 1B: Verification of Completion / Vegetation Clearance Actions for Site Preparation Requirements

Per requirements outlined in the Tourtelot OERDD for preparation of the Site, the following Vegetation Removal Actions were completed 15 April 2002.

1. A surface OE sweep was conducted to help ensure Vegetation Removal Crew and Mower Operator safety.

2. Vegetation was removed in accordance with criteria outlined in the OERDD.

Note: The first round of vegetation removal was sub contracted to Timberline, Inc. Due to cost considerations and schedule impact, the remediation contractor aided by local personnel hired by Granite Management Corporation conducted subsequent vegetation removal actions.

LAST ENTRY

I herby verify that the above stated actions were completed and meet the requirements for these activities outlined in the OERDD (as amended.)

Joe L. Bird
Project Manager
Director, OE Programs

Date: 6/18/04

Concur/Non-Concur

Jeffrey D. Anderson
3rd Party QA

Date: 6/18/04

Appendix 1C: Removal of Debris Piles

CERTIFICATE OF COMPLETION

Appendix – 1C: Verification of Removal / Debris Piles from the Tourtelot Site

The following actions were conducted in order to remove existing debris piles from the Tourtelot Site per requirements in the OERDD for site preparation.

1. Qualified OE personnel supervised by an OE Tech-3 inspected each debris pile to verify they did not contain OE-Energetic, OE-Like or OE-Scrap.

2. Each debris pile was transported to a suitable landfill for disposal.

LAST ENTRY

I hereby verify that the above stated actions were completed and meet the requirements for these activities outlined in the Tourtelot OERDD (as amended.)

Joe L. Bird
Project Manager
Director, OE Programs

Date: 6/18/04

Concur/Non-Concur

Jeffrey D. Anderson
3rd Party QA

Date: 6/18/04

Appendix 1D: Boundary Fence Removal/Relocation

CERTIFICATE OF COMPLETION

Appendix – 1D: Verification of Boundary Fence Removal/Relocation

The following site preparation actions were completed in order to remove and relocate boundary fence lines to assist site geophysical mapping efforts.

1. Crews escorted by qualified OE personnel removed the northern and eastern chain link boundary fences.

2. New fence lines were established approximately 25-feet or more outside the site boundary enabling geophysical survey systems to cover that entire area of the Site with their towed array systems without interference/masking from being in close proximity to the metal fence.

LAST ENTRY

I hereby verify that the above stated actions were completed and meet the requirements for these activities outlined in the Tourtelot OERDD (as amended.)

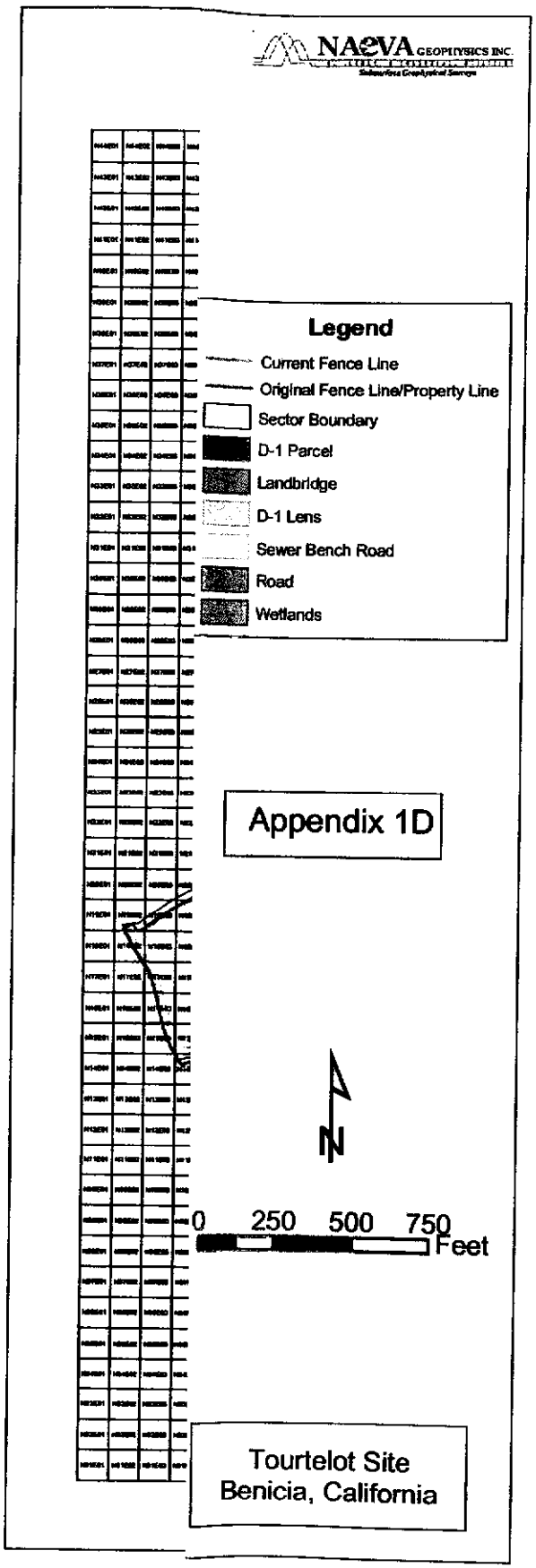
Joe L. Bird
Project Manager
Director, OE Programs

Date: 6/18/04

Concur/Non-Concur

Jeffrey D. Anderson
3rd Party QA

Date: 6/18/04


NAEVA GEOPHYSICS INC.
Legend
Current Fence Line
Original Fence Line/Property Line
Sector Boundary
D-1 Parcel
Landbridge
D-1 Lens
Sewer Bench Road
Road
Wetlands
Appendix 1D
N
0 250 500 750
Feet
Tourtelot Site
Benicia, California

Appendix 1E: Grid Layout

CERTIFICATE OF COMPLETION

Appendix – 1E: Verification of Grid Layout

The following site preparation action was completed in order to meet requirements outlined in the OERDD.

1. A survey crew divided the entire Tourtelot Project Site into 100-foot by 100-foot grids. Each grid corner was marked by a survey stake. The southwest corner marker of each grid is used as the grid identifier.

LAST ENTRY

I hereby verify that the above stated actions were completed and meet the requirements for these activities outlined in the OERDD (as amended.)

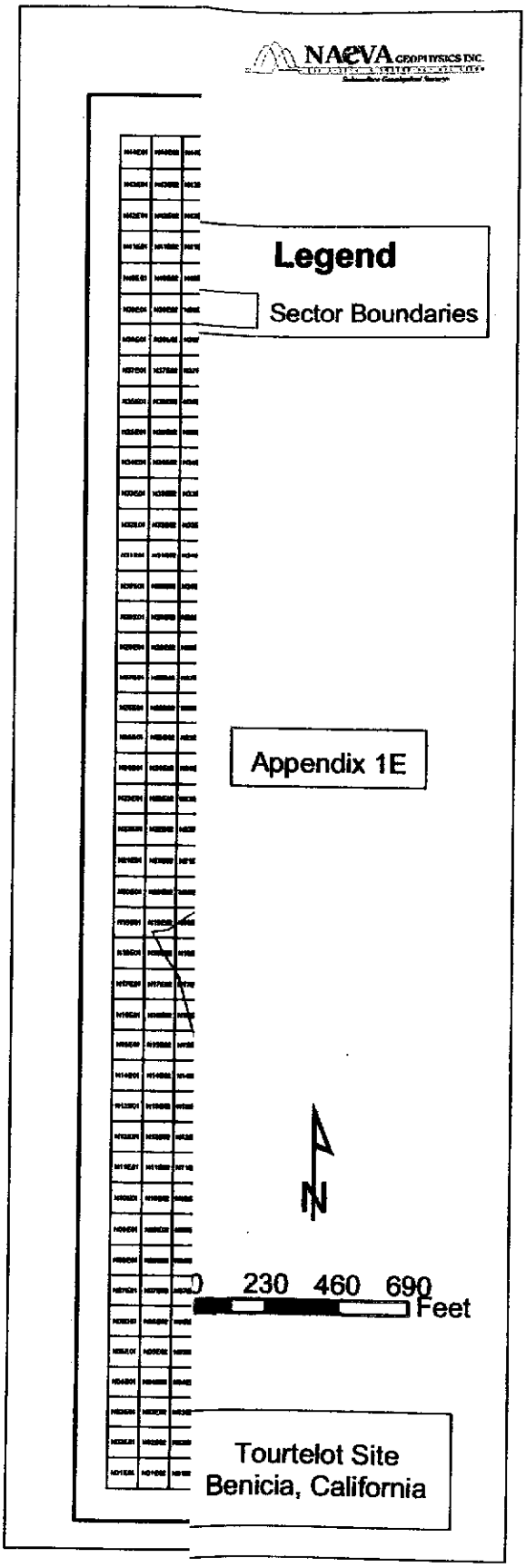
Joe L. Bird
Project Manager
Director, OE Programs

Date: 6/18/04

Concur / **Non-Concur**

Jeffrey D. Anderson
3rd Party QA

Date: 6/18/04


NAEVA GEOPHYSICS INC.
Legend
Sector Boundaries
Appendix 1E
N
0 230 460 690
Feet
Tourtelot Site
Benicia, California

Appendix 2A: OE Surface Clearance

CERTIFICATE OF COMPLETION

Appendix – 2A: Verification of Completion / OE Surface Clearance

The following actions were completed in accordance with requirements outlined in the Tourtelot OERDD for OE Surface Clearance.

1. Personnel were trained on the proper check out and operation of the White Surf-Master Pro, Hand Held Geophysical Survey Instrument (GSI.)
2. OE personnel were arranged line abreast, spaced every 5-feet. A staggered start was used to ensure the GSI did not interfere with each other.
3. OE Teams swept each grid visually aided by their GSI and removed all visible metal and debris from the grids surface.
4. All potential OE-Energetic items located were marked for evaluation by the demo team for possible movement to storage awaiting disposal. Items determined not safe to move were blown in place (BIP.)
5. Items determined to be OE-Like were recovered and stored separately for latter demil actions and disposal off-site.
6. OE-Scrap was separated from other trash and debris for latter inspection and disposal in an off-site landfill.
7. Manpower was increased in order to meet the strict time constraints for completion of sweep operations along the 200-foot buffer behind the occupied homes on the Sites west boundary and along Rose Drive on the Sites south boundary. Eighteen, 40-hour OSHA Techs were brought in, trained on sweep operations and used to assist in completion of the 200-foot buffer areas.
8. QC & QA reviewed and signed off each grid as meeting surface clearance criteria.

LAST ENTRY

I hereby verify that the above stated actions were completed and meet the requirements for these actions outlined in the Tourtelot OERDD (as amended.)

Joe L. Bird
Project Manager
Director, OE Programs

Date: 6/18/04

Concur/Non-Concur

Jeffrey D. Anderson
3rd Party QA

Date: 6/18/04

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG

FOR OE OPERATIONS

DATE: 3-15-02	TIME 1400	LOG NO. 1
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOURTELOT		
WEATHER CONDITIONS: Sun / Clouds		

I. AREAS INSPECTED: (List by grid number, coordinates or description) N25/E40, N26/E40 N26/E42, N25/E42, N24/E41, N24/E42, N26/E41, N25/E41, N24/E40.

II. INSPECTION RESULTS: All Grids PASSED Q.C.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG

FOR OE OPERATIONS

DATE: 3-18-02	TIME 1500	LOG NO. 2
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOURTELOT		
WEATHER CONDITIONS: Sunny		

I. AREAS INSPECTED: (List by grid number, coordinates or description) N24/E43, N25/E43 N23/E45, N23/E44, N24/E44, N22/E45, N22/E46, N21/E46, N21/E47

II. INSPECTION RESULTS:

PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 3-19-02	TIME 0900 - 1330	LOG NO. 3
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOURTELOT		
WEATHER CONDITIONS: SUNNY		

I. AREAS INSPECTED: (List by grid number, coordinates or description)

SEE ATTACHED SHEETS.

II. INSPECTION RESULTS:

PASSED.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

3-19-02 From Phase 1 200' Housing sweep

N14E16 - N14E3 - N26E17 -
N13E16 - N19E4 - N26E18 -
N13E15 - N20E4 - N27E16 -
N14E15 - N20E5 - N27E17 -
N12E15 - N19E5 - N28E16 -
N13E14 - N21E5 - N28E17 -
N13E14 - N21E6 - N29E15 -
N14E13 - N20E6 - N29E16 -
N14E12 - N21E7 - N30E15 -
N15E12 - N22E6 - N30E14 -
N14E11 - N22E7 - N31E14 -
N15E11 - N23E7 - N31E15 -
N14E10 - N22E8 - N32E14 -
N15E10 - N23E8 - N16E5 -
N15E9 - N22E9 - N16E6 -
N14E8 - N23E10 - N19E2 -
N15E8 - N24E10 -
N14E7 - N25E10 -
N15E7 - N24E11 -
N14E6 - N25E11 -
N15E6 - N25E12 -
N14E5 - N24E12 -
N15E5 - N25E13 -
N14E4 - ~~N23E9~~ N24E9 -
N15E4 - N24E13 -
N15E3 - N25E14 -
N16E3 - N24E14 -
N16E4 - N25E15 -
N17E3 - N24E15 -
N17E4 - N25E16 -
N18E3 - N24E16 -
N18E2 - N25E17 -
N26E16 -

N29E18
N30E17
N31E17
N32E13
N31E13

N14E14 N22E43
N25E18 N22E42
N22E41
N24E18 N22E40
N24E17 N22E39
~~N30E17~~ ? N23E39
N23E41
N30E16 N23E40
N29E17
N31E16
N32E15
N14E9

N13E13
N32E16
N32E17
~~N30E17~~ ?
N28E18
N29E21
~~N25E18~~ ?

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 3-20-02	TIME 0900-1300	LOG NO. 4
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOURTELOT		
WEATHER CONDITIONS: Sunny.		

I. AREAS INSPECTED: (List by grid number, coordinates or description) N23E43, N23E42, ALSO SEE ATTACHED SHEET.

II. INSPECTION RESULTS: PASSED.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

N9/E14
N9/E22
N2/E27
N10/E18
N11/E17
N13/E19

N14E17
N15E17
N15E18
N14E18
N15E19
N14E19
N14E20
N13E20
N12E19
N12E20
N11E18
N11E19
N11E20
N10E19
N10E20
N10E21
N9E20
N9E21
N8E19
N8E20
N8E21
N7E19
N7E20
N6E19
N6E20
N5E18
N5E19
N5E20
N4E18
N4E19
N4E20
N4E21
N4E22
N4E23
N4E24
N4E25
N4E26
N3E18
N3E19
N3E20
N3E21
N3E22
N3E23
N3E24
N3E25
N3E26
N3E27
N3E28
N2E28
N3E29

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 3-21-02	TIME 1410	LOG NO. 5
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOUR TELOT		
WEATHER CONDITIONS: sun / clouds.		

I. AREAS INSPECTED: (List by grid number, coordinates or description) N24E38, N25E38, N26E38, N27E38, N24E38, N27E39, N26E39, N25E39, N26E43, N24E45, N25E45 N25E44, N22E47, N22E48, N22E49, N23E49, N23E48, N23E47, N23E46 N27E43, N21B48, N21E49, N24E46, N24E47, N24E48, N25E48, N24E49 N25E47, N25E46, N26E44, N29E19, N28E19, N27E19, N26E19, N25E19 N28E21, N27E21, N26E21, N25E21, N25E20, N26E20, N27E20, N28E20.

II. INSPECTION RESULTS:

PASSED.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 3-25-02	TIME 1500	LOG NO. 6
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOUR TELOT		
WEATHER CONDITIONS: Clouds with HAZE.		

I. AREAS INSPECTED: (List by grid number, coordinates or description) N22/E38, N23/E38, N27/E40, N27/E41, N27/E42, N21/E42, N21/E41, N21/E40 N21/E39, N21/E38, N21/E37, N22/E37, N23/E37, N24/E37, N25/E37, N26/E37, N27/E37.

II. INSPECTION RESULTS:

PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 3-27-02	TIME 1030	LOG NO. 6 27 7
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: SUNNY

I. AREAS INSPECTED: (List by grid number, coordinates or description) N21/E43, N21E/45, N27/E18 N32/E18, N33/E16, N33/E17, N34/E16, N35/E18, N42/E25, N42/E27, N41/E30 N21/E44, N33/E15, N30/E18, N31/E18, N34/E17, N35/E17, N42/E26, N42/E28, N42/E31, N30/E38, N28/E37, N28/E39, N28/E40, N28/E41, N29/E37, N29/E40, N29/E39, N28/E38, N29/E38, N30/E37, N30/E39 N42/E29,

II. INSPECTION RESULTS:

PASSED.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG

FOR OE OPERATIONS

DATE: 3-28-02	TIME 1130	LOG NO. 8
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOUR TELOT		
WEATHER CONDITIONS: SUNNY		

I. AREAS INSPECTED: (List by grid number, coordinates or description)

N 40/E26	N39/E29	N39/E34	N38/E35	N38/E29
N 40/E27	N39/E28	N39/E33	N38/E34	N38/E28
N 40/E28	N39/E27	N39/E32	N38/E33	N38/E27
N 40/E29	N39/E26	N39/E31	N38/E32	N38/E26
N 40/E30	N39/E36	N38/E37	N38/E31	
N 39/E30	N39/E35	N38/E36	N38/E30	

II. INSPECTION RESULTS:

PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG

FOR OE OPERATIONS

DATE: 4-1-02	TIME 1430	LOG NO. 9
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOUR TELOT		
WEATHER CONDITIONS: sunny		

I. AREAS INSPECTED: (List by grid number, coordinates or description) N37/E31, N37/E32

N37/E33 N37/E39 N36/E34
N37/E34 N37/E40 N36/E33
N37/E35 N38/E38
N37/E36 N38/E39
N37/E37 N39/E37
N37/E38 N40/E36

II. INSPECTION RESULTS:

PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG

FOR OE OPERATIONS

DATE: 4-2-02	TIME 1230	LOG NO. 10
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOURTELOT

WEATHER CONDITIONS: SUNNY

I. AREAS INSPECTED: (List by grid number, coordinates or description)

N32/E38	N33/E37	N33/E43	N34/E41	N36/E37	N35/E37	N40/E25
N32/E39	N33/E38	N34/E36	N34/E42	N36/E38	N35/E38	N43/E23
N32/E40	N33/E39	N34/E37	N34/E43	N36/E39	N35/E39	N44/E23
N32/E41	N33/E40	N34/E38	N35/E34	N36/E40	N35/E40	N36/E35
N32/E42	N33/E41	N34/E39	N35/E35	N36/E41	N35/E41	N36/E36
N32/E43	N33/E42	N34/E40	N35/E36	N36/E42	N34/E25	

II. INSPECTION RESULTS:

PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4-4-02	TIME 1430	LOG NO. 11
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOURTELOT		
WEATHER CONDITIONS: HAZE		

I. AREAS INSPECTED: (List by grid number, coordinates or description) N20/E10, N20/E11, N20/E12, N20/E13

N15/E13	N16/E9	N16/E15	N17/E10	N17/E16	N18/E5	N19/E10
N15/E14	N16/E10	N16/E16	N17/E11	N17/E17	N18/E6	N19/E11
N15/E15	N16/E11	N16/E17	N17/E12	N18/E4	N18/E7	N19/E12
N15/E16	N16/E12	N17/E7	N17/E13	N18/E5	N18/E8	N19/E13
N16/E7	N16/E13	N17/E8	N17/E14	N19/E6	N19/E8	N20/E8 N20/E14
N16/E8	N16/E14	N17/E9	N17/E15	N19/E7	N19/E9	N20/E9

II. INSPECTION RESULTS:

PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG

FOR OE OPERATIONS

DATE: 4-8-02	TIME 1300	LOG NO. 12
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOUR TELOT		
WEATHER CONDITIONS: CLOUDY		

I. AREAS INSPECTED: (List by grid number, coordinates or description) N23/E31 N23/E32

N18/E13 N18/E19 N21/E10 N22/E12 N23/E14 N23/E20 N22/E19 N26/E32 N24/E30
N18/E14 N19/E14 N21/E11 N22/E13 N23/E15 N23/E21 N22/E20 N25/E29 N24/E31
N18/E15 N19/E15 N21/E12 N22/E14 N23/E16 N23/E15 N22/E21 N25/E30 N24/E32
N18/E16 N20/E E7 N21/E13 N23/E11 N23/E17 N22/E16 N26/E29 N25/E31 N25 2-7
N18/E17 N21/E8 N21/E14 N23/E12 N23/E18 N22/E17 N26/E30 N25/E32 N23/E29
N18/E18 N21/E9 N22/E11 N23/E13 N23/E19 N22/E18 N26/E31 N24/E29 N23/E30

II. INSPECTION RESULTS:

PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4-12-02	TIME 1000	LOG NO. 13
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: SUNNY

I. AREAS INSPECTED: (List by grid number, coordinates or description)

N15/E20	N17/E19	N20/E20
N15/E21	N18/E20	N20/E21
N15/E22	N19/E18	
N16/E20	N19/E19	
N16/E21	N19/E20	
N17/E18	N19/E21	

II. INSPECTION RESULTS:

PASSED.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG

FOR OE OPERATIONS

DATE: APR 17, 02	TIME 0930	LOG NO. 15
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOURTELOT		
WEATHER CONDITIONS: Sunny		

I. AREAS INSPECTED: (List by grid number, coordinates or description)

N18/E21	N24/E24	N25/E24	N23/E22	N21/E24	N19/E24
N18/E22	N22/E25	N21/E25	N23/E23	N21/E23	N19/E23
N18/E23	N24/E22	N21/E26	N23/E24	N21/E22	N19/E22
N18/E24	N24/E23	N21/E27	N22/E24	N20/E24	
N17/E23	N25/E22	N21/E28	N22/E23	N20/E23	
N17/E24	N25/E23	N21/E29	N22/E22	N20/E22	

II. INSPECTION RESULTS:

PASSED.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4-18-02	TIME 1045	LOG NO. 16
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOUR TELOT		
WEATHER CONDITIONS: Sunny w/clouds		

I. AREAS INSPECTED: (List by grid number, coordinates or description)

N30/E27 N28/E28 N29/E27 N29/E33
N30/E28 N28/E29 N29/E28
N30/E29 N28/E30 N29/E29
N30/E30 N28/E31 N29/E30
N30/E31 N28/E32 N29/E31
N28/E27 N28/E33 N29/E32

II. INSPECTION RESULTS:

PASSED.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4-18-02	TIME 1410	LOG NO. 17
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOURTELOT		
WEATHER CONDITIONS: Sunny w/ clouds.		

I. AREAS INSPECTED: (List by grid number, coordinates or description)

N27/E27 N22/E27 N22/E33 N24/E33 N26/E33
N27/E28 N22/E28 N23/E27 N25/E28 N27/E29
N21/E30 N22/E29 N23/E28 N25/E28 N27/E30
N21/E31 N22/E30 N23/E29 N25/E33 N27/E31
N21/E32 N22/E31 N24/E27 N26/E27 N21/E32
N21/E33 N22/E32 N24/E28 N26/E28 N27/E33

II. INSPECTION RESULTS:

PASSED.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4-19-02	TIME 1300	LOG NO. 18
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: SUNNY

I. AREAS INSPECTED: (List by grid number, coordinates or description)

N25/E34 N27/E34
N25/E35 N27/E35
N25/E36 N27/E36
N26/E34 N28/E34
N26/E35 N28/E35
N26/E36 N28/E36.

II. INSPECTION RESULTS:

PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4-22-02 | TIME: 1000 | LOG NO.: 19

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOUR TELOT

WEATHER CONDITIONS: SUNNY

I. AREAS INSPECTED: (List by grid number, coordinates or description)

N24/E34	N30/E32	N21/E35	N23/E35
N24/E35	N30/E33	N21/E36	N23/E36
N24/E36	N30/E34	N22/E34	N33/E14
N29/E34	N30/E35	N22/E35	
N29/E35	N30/E36	N22/E36	
N29/E36	N21/E34	N23/E34	

II. INSPECTION RESULTS:

PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4-22-02	TIME 1359	LOG NO. 20
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOURTELOT		
WEATHER CONDITIONS: SUNNY		

I. AREAS INSPECTED: (List by grid number, coordinates or description)

TEMPORARY DEMO SITE FOR OPEN AIR DEMO OPS.

II. INSPECTION RESULTS:

PASSED.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4-24-02	TIME 1000	LOG NO. 21 PG 1
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny

I. AREAS INSPECTED: (List by grid number, coordinates or description) N19/E48 SEE ATTACHED SHT

N26/E22	N27/E23	N28/E24	N29/E24	N30/E22	N35/E19	N17/E46	N19/E39
N26/E23	N27/E24	N28/E25	N29/E25	N30/E23	N35/E20	N18/E46	N19/E40
N26/E24	N27/E25	N28/E26	N29/E26	N30/E24	N35/E21	N18/E47	N19/E41
N26/E25	N27/E26	N29/E20	N30/E19	N30/E25	N35/E22	N18/E48	N19/E42
N26/E26	N28/E22	N29/E22	N30/E20	N30/E26	N35/E23	N19/E37	N19/E46
N27/E22	N28/E23	N29/E23	N30/E21	N35/E25	N35/E24	N19/E38	N19/E47

II. INSPECTION RESULTS:

PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH
A TYCO INTERNATIONAL LTD COMPANY

CONT.

PAGE 1 OF 1

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4-24-02	TIME 1000	LOG NO. 21 PG 2
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOURTELOT

WEATHER CONDITIONS: SUNNY.

I. AREAS INSPECTED: (List by grid number, coordinates or description)

N20/E37	N20/E46	N24/E25	N33/E20	N33/E26	N34/E24	N36/E21	N37/E24
N20/E38	N20/E47	N24/E26	N33/E21	N34/E18	N34/E25	N36/E22	N37/E25
N20/E39	N20/E48	N25/E25	N33/E22	N34/E19	N34/E26	N36/E23	N37/E26
N20/E40	N22/E26	N25/E26	N33/E23	N34/E20	N34/E23	N36/E24	N38/E25
N20/E41	N23/E25	N33/E18	N33/E24	N34/E21	N35/E26	N36/E25	
N20/E42	N23/E26	N33/E19	N33/E25	N34/E22	N36/E20	N36/E26	

II. INSPECTION RESULTS:

PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Karl J Goel

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4-25-02	TIME 1035	LOG NO. 22
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOUR TELOT		
WEATHER CONDITIONS: sunny w/clouds.		

I. AREAS INSPECTED: (List by grid number, coordinates or description) N34/E29

N14/E36 N15/E40 N16/E39 N17/E38 N18/E37 N19/E36 N31/E24 N32/E19 N32/E25
N14/E37 N15/E41 N16/E40 N17/E39 N18/E38 N31/E19 N31/E25 N32/E20 N32/E26
N15/E36 N15/E42 N16/E41 N17/E40 N18/E39 N31/E20 N31/E26 N32/E21 N32/E27
N15/E37 N16/E36 N16/E42 N17/E41 N18/E40 N31/E21 N31/E27 N32/E22 N32/E28
N15/E38 N16/E37 N17/E36 N17/E42 N18/E41 N31/E22 N31/E28 N32/E23 N32/E29
N15/E39 N16/E38 N17/E37 N18/E36 N19/E42 N31/E23 N31/E29 N32/E24 N33/E29

II. INSPECTION RESULTS:

PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG

FOR OE OPERATIONS

DATE: 4-29-02	TIME 1030	LOG NO. 23
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Clouds / sun

I. AREAS INSPECTED: (List by grid number, coordinates or description)

N12/E37 N17/E35 N31/E33 N34/E27 N35/E29 N10/E37 N12/E39 SEE
N14/E34 N15/E35 N32/E33 N34/E28 N35/E30 N11/E37 N13/E34
N14/E35 N17/E47 N33/E27 N34/E30 N35/E33 N11/E38 N13/E35 NEXT
N15/E35 N19/E35 N33/E28 N34/E33 N36/E27 N11/E39 N13/E36
N16/E35 N20/E35 N33/E30 N35/E27 N36/E30 N11/E90 N19/E43 PAGE.
N16/E46 N20/E36 N33/E33 N35/E28 N37/E30 N12/E38 N/18/E44

II. INSPECTION RESULTS:

PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

4/29/02
Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4-29-02	TIME 1030	LOG NO. 23 CONT.
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOUR TELOT		
WEATHER CONDITIONS: CLOUDS / SUN		

I. AREAS INSPECTED: (List by grid number, coordinates or description)

N18/E45	N19/E43	N20/E27	N33/E31
N14/E25	N19/E44	N20/E28	N33/E32
N19/E26	N19/E45	N20/E29	N34/E31
N19/E27	N20/E25	N20/E43	N34/E32
N19/E28	N20/E26	N20/E44	N35/E31
N19/E29	N13/E37	N20/E45	N35/E32

II. INSPECTION RESULTS:

PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / Project Manager 4/29/02

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4-30-02	TIME 1040	LOG NO. 24
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOUR TELOT		
WEATHER CONDITIONS: Sun / clouds.		

I. AREAS INSPECTED: (List by grid number, coordinates or description)

N8/E34	N10/E36	N12/E35	N16/E44	N31/E31	N32/E	N34/E35
N9/E34	N10/E38	N12/E36	N16/E45	N31/E32	N32/E	
N9/E35	N11/E34	N15/E43	N17/E43	N31/E34	N32/E	
N9/E36	N11/E35	N15/E44	N17/E44	N31/E35	N33/E	
N10/E34	N11/E36	N15/E45	N17/E45	N32/E30	N33/E	
N10/E35	N12/E34	N16/E43	N31/E30	N32/E31	N34/E	

II. INSPECTION RESULTS:

PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

4/30/02
Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 5-2-02	TIME 1030	LOG NO. 26
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOUR TELOT		
WEATHER CONDITIONS: Sunny / clouds.		

I. AREAS INSPECTED: (List by grid number, coordinates or description)

N5/E21	N17/E22	N31/E36	N33/E36	N6/E30	N8/E33
N6/E21	N20/E30	N31/E37	N4/E27	N6/E31	N9/E33
N7/E21	N20/E31	N31/E38	N4/E28	N7/E31	N10/E33
N6/E22	N20/E32	N31/E39	N4/E29	N7/E32	N15/E34
N17/E20	N20/E33	N32/E36	N5/E29	N7/E33	
N17/E21	N20/E34	N32/E37	N5/E30	N8/E32	

II. INSPECTION RESULTS:

PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 5-7-02	TIME 0900	LOG NO. 27
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOUR TELOT		
WEATHER CONDITIONS: Sunny.		

I. AREAS INSPECTED: (List by grid number, coordinates or description)

N6/E25 N9/E31 N11/E30
N6/E26 N9/E32 N11/E31
N7/E30 N10/E30 N11/E33
N8/E30 N10/E31 N12/E33
N8/E31 N10/E32
N9/E30 N11/E32

II. INSPECTION RESULTS:

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Kal J Goel

Sr. UXO Supervisor / Project Manager

EARTH TECH
A TYCO INTERNATIONAL LTD COMPANY

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 5-7-02	TIME 0900	LOG NO. 27
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOUR TELOT		
WEATHER CONDITIONS: Sunny		

I. AREAS INSPECTED: (List by grid number, coordinates or description)

N4/E30 N7/E27 N12/E30 N13/E31 N10/E32 N18/E33 N19/E34 N6/E24 N6/E22
N5/E27 N6/E28 N12/E31 N13/E32 N17/E33 N18/E34 N5/E22 N6/E23 N8/E23
N5/E28 N11/E27 N12/E32 N13/E33 N17/E34 N19/E30 N5/E23 N6/E22 N8/E24
N6/E27 N11/E28 N13/E28 N11/E29 N18/E30 N19/E31 N5/E24 N7/E22 N9/E23
N6/E28 N12/E28 N13/E29 N17/E30 N18/E31 N19/E32 N5/E25 N7/E23
N6/E29 N12/E29 N13/E30 N17/E31 N18/E32 N19/E33 N5/E26 N7/E24

PAGE 2

II. INSPECTION RESULTS:

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 5-9-02	TIME 1040	LOG NO. 28
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOURTELOT		
WEATHER CONDITIONS: Sunny		

I. AREAS INSPECTED: (List by grid number, coordinates or description)

N16/E23	N16/E29	N9/E27	N17/E28	N18/E29
N16/E24	N7/E28	N9/E28	N17/E29	N17/E26
N16/E25	N7/E29	N9/E29	N16/E25	N17/E25
N16/E26	N8/E27	N10/E27	N18/E26	
N16/E27	N8/E28	N10/E29	N18/E27	
N16/E28	N8/E29	N17/E27	N18/E28	

II. INSPECTION RESULTS:

PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 5-13-02 | TIME: 1415 | LOG NO.: 30

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOUR TELOT

WEATHER CONDITIONS: sunny / w/clouds.

I. AREAS INSPECTED: (List by grid number, coordinates or description)
N7/E25, N7/E26, N8/E25, N8/E26, N9/E24, N9/E25
N9/E26

II. INSPECTION RESULTS:
PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 5-17-02	TIME 1400	LOG NO. 31
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOUR TELOT		
WEATHER CONDITIONS: Sunny.		

I. AREAS INSPECTED: (List by grid number, coordinates or description)

N16/E33 N15/E30 N10/E23 N11/E23 N12/E23 N13/E22 N13/E25 N15/E26
N15/E33 N15/E30 N10/E24 N11/E24 N12/E24 N13/E23 N13/E27 N15/E27
N14/E30 N16/E30 N10/E25 N11/E25 N12/E25 N13/E24 N14/E28 N15/E29
N14/E31 N16/E31 N10/E26 N11/E26 N12/E26 N14/E25 N14/E29 N15/E28
N14/E32 N16/E34 N11/E21 N12/E21 N12/E27 N13/E27 N14/E26
N14/E33 N10/E22 N11/E22 N12/E22 N13/E21 N13/E26 N15/E25

II. INSPECTION RESULTS:

Passed

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 5/23/02 | TIME 0930- | LOG NO. 32

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOURTELOT

WEATHER CONDITIONS: SUNNY

I. AREAS INSPECTED: (List by grid number, coordinates or description)

N14/E21 N14/E22 N14/E23 N14/E24 ~~N15~~ N15/E23 N15/E2
N15/E32 N15 N16/E32

II. INSPECTION RESULTS:

PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

Appendix 2B: Point Clearance Clearance

CERTIFICATE OF COMPLETION

Appendix – 2B: Completion of Point Clearance Operations

The following actions were completed in accordance with requirements outlined in the Tourtelot OERDD for Point Clearance activities.

1. All accessible grids on the Tourtelot Site were Phase-1 & Phase-2 point cleared. Additional clearance actions were completed on selected grids by scraping the top 18-inches of soil and/or excavation of fill soils.
2. In areas adjacent to fence lines and other cultural clutter, real time procedures were used employing the MK-26 FOL.
3. The inaccessible grids on Sector-7 (due to stockpiled soils) and in the Wetlands were completed using real time procedures employing the White Surf-Master Pro geophysical survey instrument and Fisher Coin Strike or MK-26 FOL when deemed necessary.
4. All grids have been inspected by OE and Geophysical QC personnel to access compliance with design criteria. The QC Section has signed all grids off and forwarded them to 3rd Party QA.
5. All grids have been reviewed by 3rd Party QA and found to be in conformance to requirements outlined in the Tourtelot OERDD.

NOTE: (1) See the attached QC/QA status map indicating grid status. (2) The D-1 Parcel (Sector's 1, 2 & 3) were signed off and closed out during the D-1 parcelization process. (3) A more detailed discussion of the geophysical mapping process and its evaluation is provided in the attached "Geophysical Quality Control Report."

LAST ENTRY

I hereby verify that the above stated actions were completed and meet the requirements for these activities outlined in the Tourtelot OERDD (as amended.)

Joe L. Bird
Project Manager
Director, OE Programs

Date: 6/18/04

Concur/Non-Concur

Jeffrey D. Anderson
3rd Party QA

Date: 6/19/04

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 6-14-02 | TIME: 0945 | LOG NO.: 33

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOUR TELOT

WEATHER CONDITIONS: SUNNY

I. AREAS INSPECTED: (List by grid number, coordinates or description) QC'ed AFTER THE 2ND DIGGING OF STOCKPILE # 1 AND #2.

FOUND UXO IS AND OTHER METAL OBJECTS BUT NOT IN THE AREAS THAT THE TM'S DUG. SMALL ITEMS WERE ALL I FOUND.

II. INSPECTION RESULTS: PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 6-14-02	TIME 1230	LOG NO. 34
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOURTELOT

WEATHER CONDITIONS: SUNNY

I. AREAS INSPECTED: (List by grid number, coordinates or description) AREA THAT THE DONOVAN CHAMBER WILL BE SITTING

II. INSPECTION RESULTS: ONLY SMALL ITEMS FOUND.

PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Rick Clement
Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 6/24/02	TIME 13	LOG NO. 35
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOURTELOT

WEATHER CONDITIONS: SUNNY

I. AREAS INSPECTED: (List by grid number, coordinates or description) THE NEW & FINAL DONOVAN SITE

II. INSPECTION RESULTS: SMALL ITEMS FOUND. NOTHING FOUND IN HOLES.

PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Rick Assaut
Quality Control Specialist

Karl J Goeh
Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 6/26/02	TIME 0720	LOG NO. 36
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOURTELOT

WEATHER CONDITIONS: CLOUDY WITH WIND

I. AREAS INSPECTED: (List by grid number, coordinates or description)
STOCKPILE #3

II. INSPECTION RESULTS: MULTIPLE ITEMS FOUND MOST LARGE, NOTHING FOUND IN DIG HOLES.

CORRECTIVE ACTIONS RECOMMENDED (If required):
RECOMMEND AREA BE DONE AGAIN

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Richard Arsenault
Quality Control Specialist

Karl J Goeb
Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 6/26/02	TIME 0800	LOG NO. 37
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS:

I. AREAS INSPECTED: (List by grid number, coordinates or description)
STOCKPILES 1 & 2

II. INSPECTION RESULTS: NOTHING FOUND IN HOLES. ONLY SMALL ITEMS FOUND IN STOCKPILE.
PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Richard Arsenault
Quality Control Specialist

Kelly Goel
Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 7/16/02	TIME	LOG NO. 37
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOURTELOT

WEATHER CONDITIONS: SUNNY

I. AREAS INSPECTED: (List by grid number, coordinates or description)
STOCKPILE # 1 & 2

II. INSPECTION RESULTS: MULTIPLE ITEMS FOUND MOST LARGE, SAME OBJECTS FOUND IN HOLES.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):
RECOMMAND AREA BE DONE AGAIN.

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 7-11-02	TIME 1445	LOG NO. 38
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: SUNNY

I. AREAS INSPECTED: (List by grid number, coordinates or description)
STOCKPILE D-1

II. INSPECTION RESULTS: MULTIPLE LARGE ITEMS FOUND

CORRECTIVE ACTIONS RECOMMENDED (If required):
RECOMMEND AREA BE DONE AGAIN

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Rick Arsenault
Quality Control Specialist

Karl J. Goel
SUXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 7-11-02	TIME 1530	LOG NO. 39
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOURTELOT

WEATHER CONDITIONS: SUNNY

I. AREAS INSPECTED: (List by grid number, coordinates or description)
STOCKPILES 1 & 2

II. INSPECTION RESULTS: LOOKS GOOD. JUST SMALL ITEMS.
PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Rick Clement
Quality Control Specialist

Karl J. Goch
Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 7-24-02	TIME 0730	LOG NO. 40
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOURTELOT

WEATHER CONDITIONS: _____

I. AREAS INSPECTED: (List by grid number, coordinates or description) _____

STOCKPILE D-1

II. INSPECTION RESULTS: PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required): _____

IV. REINSPECTION RESULTS (If required): _____

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Ruth Desmarais
Quality Control Specialist

Karl J. Goel
Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 8-1-02	TIME 0700	LOG NO. 41
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOURTELOT

WEATHER CONDITIONS: SUNNY

I. AREAS INSPECTED: (List by grid number, coordinates or description)

Decon Area By GATE 5

II. INSPECTION RESULTS:

Recommend Re Sweep

CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 8-1-02	TIME 1400	LOG NO. 42
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: SUNNY

I. AREAS INSPECTED: (List by grid number, coordinates or description)

DECON AREA BY GATE 5

II. INSPECTION RESULTS:

PASSED

CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 9/4/02 | TIME 1510 | LOG NO. 43

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOURTELOT

WEATHER CONDITIONS: SUNNY + WINDY.

I. AREAS INSPECTED: (List by grid number, coordinates or description)
GRID # 2634, FLARE PIT, SAMPLES TAKEN,

II. INSPECTION RESULTS: AREA IS TAPED OF WITH CAUTION TAPE, SAFETY ON SITE, USED A MAG + A WHITE TO CHECK BEFORE SAMPLES. GPS ALL SAMPLE SPOTS. GOOD JOB,

III. CORRECTIVE ACTIONS RECOMMENDED (If required):
N/A.

IV. REINSPECTION RESULTS (If required):
N/A

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 9/11/02	TIME 1100	LOG NO. 45
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOURTELOT

WEATHER CONDITIONS: Sunny.

I. AREAS INSPECTED: (List by grid number, coordinates or description)

43-25 09-35 35-24
28-22 15-35
20-42 35-17
21-31 29-39
20-33 30-39
13-29 21-30

II. INSPECTION RESULTS:

good.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

One Item To Fix.

IV. REINSPECTION RESULTS (If required):

N/A

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 11-18-02 | TIME 1530 | LOG NO. 61

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny

I. AREAS INSPECTED: (List by grid number, coordinates or description) THE FOLLOWING grids were O.E. Q.C.d, FOR FINAL TURN OVER.

29-15	30-15	31-16	33-14	28-15	23-16	2418	25-19	24-12
29-16	30-16	32-13	33-15	28-16	23-17	25-15	26-17	2413
29-17	30-17	32-14	26-18	28-17	24-15	25-16	23-12	24-14
29-18	28-14	32-15	27-16	28-18	24-16	25-17	23-13	25-12
30-14	31-15	32-16	27-17	23-15	24-17	25-18	23-14	31-13

II. INSPECTION RESULTS:

Passed

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

N/A

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 11-19-02 | TIME: 1310 | LOG NO.: 002

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOURTELOT

WEATHER CONDITIONS: Sunny w/ clouds.

I. AREAS INSPECTED: (List by grid number, coordinates or description) OE Cx'd For Final Turnover

23-07	25-10	22-06	18-03	19-06	14-04
23-09	25-11	22-07	18-04	20-04	14-09
23-10	27-18	22-08	18-05	20-05	
23-11	21-06	22-09	19-02	20-06	
24-10	21-07	22-10	19-03	21-05	
24-11	21-10	18-02	19-04	16-11	

II. INSPECTION RESULTS:

Pass

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

N/A

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

E:	TIME	LOG NO.
11-20-02	1400	63
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Foggy

I. AREAS INSPECTED: (List by grid number, coordinates or description) The following Grids were OE QC'd For final Turnover.

23-40	24-42	14-05	15-06	16-06	16-08	16-10	14-11	13-13	14-19
23-41	25-40	14-07	15-07	16-07	15-08	15-10	16-12	15-20	14-18
23-42	25-41	15-03	16-03	17-03	14-08	14-13	15-12	15-18	14-17
24-40	25-42	15-04	16-04	17-04	16-09	14-10	14-12	16-18	13-16
24-41	14-04	15-05	16-05	17-05	15-09	15-11	15-13	15-19	16-19

II. INSPECTION RESULTS:

15-15	14-16	14-20
16-17	13-15	14-21
15-17	13-14	15-21
16-16	14-14	14-06
15-16	15-14	
14-15	13-20	

Passed

CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A.

IV. REINSPECTION RESULTS (If required):

N/A

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Karl J. Goel

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 11/21/02	TIME 1300	LOG NO. 64
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Foggy

I. AREAS INSPECTED: (List by grid number, coordinates or description) The following Grids were QC'd for Final Turnover

09-20	10-21	12-19	06-20	08-21	03-19	04-21	05-19	05-24	03-27
09-21	11-18	12-20	07-19	08-22	03-20	04-22	05-20	06-21	03-28
10-18	11-19	12-21	07-20	09-22	04-18	04-23	05-21	02-27	03-29
10-19	11-20	13-21	08-19	10-22	04-19	04-24	05-22	02-28	04-25
10-20	11-21	06-19	08-20	03-18	04-20	05-18	05-23	03-26	04-26

II. INSPECTION RESULTS:

04-27, 04-30
04-28, 03-22
05-25, 03-23
05-26, 03-24
05-27
03-25

PASS

OE QC PASSED

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A.

IV. REINSPECTION RESULTS (If required):

N/A.

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 1-28-03	TIME 1500	LOG NO. 83
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOURTELOT

WEATHER CONDITIONS: Sunny, warm.

I. AREAS INSPECTED: (List by grid number, coordinates or description) The following Grids were QC'd for Final turnover
23-45
24-43

II. INSPECTION RESULTS: All Grids Passed

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Kal J Goel

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 1-28-03	TIME 1560	LOG NO. 84
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOURTELOT

WEATHER CONDITIONS: Sunny Warm

I. AREAS INSPECTED: (List by grid number, coordinates or description) OE QC'd The Following Grids For Final turn-over [redacted]

2445
2444
2344
2343

II. INSPECTION RESULTS:

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Karl J Goel

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 1-29-03	TIME 1400	LOG NO. 85
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny

I. AREAS INSPECTED: (List by grid number, coordinates or description) The following grids were QE QC'D ~~For~~ and Ready For turn over to QA:
2543
2642
2643
2644
2743

II. INSPECTION RESULTS: All Grids

PASS

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH
A TYCO INTERNATIONAL LTD COMPANY

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

E: 1-29-03	TIME 1400	LOG NO. 86
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny

I. AREAS INSPECTED: (List by grid number, coordinates or description) The Following Grids were QC'd and Ready For Turn over TO QA Pending Geo Gaps.
2544
2545
2742

II. INSPECTION RESULTS: All Grids
PASS

ORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 2-4-03	TIME 1500	LOG NO. 87
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOURTELOT

WEATHER CONDITIONS: Sunny

I. AREAS INSPECTED: (List by grid number, coordinates or description) The Following Grids were QC'd and Ready to turn over to BA.
3324

II. INSPECTION RESULTS: All Grids

PASS

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 2-4-03	TIME 1500	LOG NO. 88
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny

I. AREAS INSPECTED: (List by grid number, coordinates or description) The Following Grids were QC'd and Ready For turn Over To QA ~~Pending Brass~~

3323 3524
3422
3423
3522
3523

II. INSPECTION RESULTS: All Grids

PASS

CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

E: 2-6-03	TIME 1500	LOG NO. 90
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny

I. AREAS INSPECTED: (List by grid number, coordinates or description)

The Following Grids were OE QC'd and are Ready For turn over To QA. 30-28

The Following Grids were OE QC'd and are Ready for Turn over To QA [redacted] 30-26, 31-25, 31-28, 32-27, 33-25 33-26

II. INSPECTION RESULTS: All Grids

Pass

CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 2-10-03	TIME 1600	LOG NO. 91
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny warm.

I. AREAS INSPECTED: (List by grid number, coordinates or description) The Following Grids were QC'd

29-29
30-29
31-26
31-27
31-29
32-26
32-28
32-29
33-27
33-29

II. INSPECTION RESULTS: The Following Grids Passed and are Ready For turn over To QA: 29-29 30-29

The Following Grids Passed and are Ready For turn over to QA [redacted]: 31-26, 31-27, 31-29, 32-26, 3228, 3229, 33-27, 33-29.

CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH
A TYCO INTERNATIONAL LTD COMPANY

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 2-11-03	TIME 1400	LOG NO. 92
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny

I. AREAS INSPECTED: (List by grid number, coordinates or description) The Following Grids were QC'd: 30-27, 32-25 & 33-30.

II. INSPECTION RESULTS: The Following Grids passed QC QC and are Ready for turn over TO QA: 30-27.
The Following Grids Passed QC QC and are Ready For turn over TO QA, Pending Data Dump: 32-25, & 3330

CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 2-11-03	TIME 1500	LOG NO. 93
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny

I. AREAS INSPECTED: (List by grid number, coordinates or description) The following Grids were QC'd: 31-24, & 3223.

II. INSPECTION RESULTS: Both Grids passed and are Ready for turn over to QA Pending [redacted]

CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 2-13-03	TIME 1530	LOG NO. 94
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOURTELOT

WEATHER CONDITIONS: overcast.

I. AREAS INSPECTED: (List by grid number, coordinates or description)

The Following Grid was QE QC'd and is Ready For turn over to QA, Pending Geo Data Gaps 32-30.

II. INSPECTION RESULTS:

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor ~~/ Project Manager~~

EARTH TECH

A TYCO INTERNATIONAL LTD COMPANY

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 2-24-03	TIME 1300	LOG NO. ~~98~~ 98
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOURTELOT

WEATHER CONDITIONS: light Rain

I. AREAS INSPECTED: (List by grid number, coordinates or description) Performed QC of the following Grids

39-37	40-30	41-25	41-29	41-34	42-28
40-26	40-31	41-26	41-31	41-35	42-29
40-27	40-34	41-27	41-32	42-26	
40-29	40-35	41-28	41-33	42-27	

II. INSPECTION RESULTS:

Grids Passed QC, 10% of Digs.

CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

N/A

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE:	TIME	LOG NO. 98 cont
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOUR TELOT		
WEATHER CONDITIONS:		

I. AREAS INSPECTED: (List by grid number, coordinates or description)

22-18	22-11	20-25	19-12	30-22
22-17	22-10	20-17	19-06	29-21
35-32	21-28	20-14	16-05	26-27
33-18	21-25	20-13	09-36	19-37
33-17	21-14	20-12	22-31	
23-11	21-07	20-11	33-19	

II. INSPECTION RESULTS:

CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 2-26-03 | TIME: 1630 | LOG NO.: 100

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Overcast cool

I. AREAS INSPECTED: (List by grid number, coordinates or description) Performed QC (10% of Anomaly digs) on the Following Grids.

43-25	39-27	37-35	36-34	36-38	35-40	34-37	36-41
43-26	38-35	37-36	36-35	35-36	35-41	34-38	
43-27	38-36	37-37	36-36	35-37	35-42	34-39	
39-26	37-34	37-40	36-37	35-39	34-36	34-40	

II. INSPECTION RESULTS: Grids passed QC QC

III. CORRECTIVE ACTIONS RECOMMENDED (If required): N/A.

IV. REINSPECTION RESULTS (If required): N/A.

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 2-27-03	TIME 1500	LOG NO. 101
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny

I. AREAS INSPECTED: (List by grid number, coordinates or description) The Following grids were QE QC'd (10% of digs)

36-39	38-33	39-25	39-31	39-35	40-33
36-40	38-34	39-28	39-32	39-36	40-36
37-38	38-37	39-29	39-33	40-25	41-36
37-39	38-38	39-30	39-34	40-28	43-24

II. INSPECTION RESULTS:

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 3-4-03	TIME 1600	LOG NO. 102
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Clear, Sunny

I. AREAS INSPECTED: (List by grid number, coordinates or description) QC GC'd (10% of digs)
The Following Grids.

32-35	32-41	33-37	33-41	34-42
32-36	32-42	33-38	33-42	34-43
32-37	32-43	33-39	33-43	35-38
32-40	33-36	33-40	34-41	

II. INSPECTION RESULTS: All Grids Passed

CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

N/A

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor ~~/ Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 3-5-08	TIME 1700	LOG NO. 103
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny warm.

I. AREAS INSPECTED: (List by grid number, coordinates or description) QC'd the Following Grids (10% of Digs).

28-34	28-39	29-36	30-34	30-39	32-34
28-35	28-40	29-37	30-35	31-34	
28-36	28-41	29-38	30-36	31-35	
28-37	29-34	29-39	30-37	31-36	
28-38	29-35	29-40	30-38	31-37	

II. INSPECTION RESULTS: All Grids passed

CORRECTIVE ACTIONS RECOMMENDED (If required): N/A

IV. REINSPECTION RESULTS (If required): N/A

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Karl J Goel

Sr. UXO Supervisor ~~LProject Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 3-6-03	TIME 1600	LOG NO. 104
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny Warm

I. AREAS INSPECTED: (List by grid number, coordinates or description) QE QC'd the following Grids. (10% Digs)

27-37, 27-38, 27-39, 27-40, 27-41, 38-30, 44-23 & 44-24

II. INSPECTION RESULTS: Grid 27-37 failed due to QE like mk 4 fuze. All others passed.

CORRECTIVE ACTIONS RECOMMENDED (If required):

Enter Grid 27-37 into the Review process.

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH
A TYCO INTERNATIONAL LTD COMPANY

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 3-10-08	TIME 1700	LOG NO. 105
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny & Clear

I. AREAS INSPECTED: (List by grid number, coordinates or description) OE QC'd (10% of Digs) The Following Grids

21-11	21-16	21-22	22-15	22-20	23-18	23-23	24-22	25-22
21-12	21-17	21-23	22-16	22-21	23-19	23-24	24-23	25-23
21-13	21-18	21-24	22-17	22-22	23-20	24-19	24-24	25-24
21-14	21-19	22-11	22-18	22-23	23-21	24-20	25-20	
21-15	21-21	22-14	22-19	22-24	23-22	24-21	25-21	

II. INSPECTION RESULTS:

All Grids Passed Accept 21-19 & 21-24

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

Enter 21-19 & 21-24 into the Review Process.

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 3-11-03	TIME 1700	LOG NO. 106
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOURTELOT

WEATHER CONDITIONS: windy Clear

I. AREAS INSPECTED: (List by grid number, ~~coordinates or description~~)

34-24	35-27	36-25	37-26	37-31	38-27
34-25	35-28	36-26	37-27	37-32	38-28
34-26	36-22	36-27	37-28	37-33	38-29
35-25	36-23	36-28	37-29	38-25	
35-26	36-24	37-25	37-30	38-26	

II. INSPECTION RESULTS: Conducted a Quality Control search audit of 10% of the anomaly excavations in Grids IListed in Section I. The anomaly excavations were chosen at Random, and Searched using the White's Surfmaster Pulse Induction Pro to a depth of 12 inches IAW the Work Plan. The Grids Listed were QC'd Prior to Geo Sign off and may have Gaps or Repins. NO OE or OE Like Items were Found.

RRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 3-12-03	TIME 1600	LOG NO. 107
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Clear Sunny

I. AREAS INSPECTED: (List by grid number, ~~coordinates or description~~)

15-40	17-41	20-40	22-38	23-38	25-37	26-40
15-41	18-40	20-41	22-39	23-39	25-39	26-41
16-40	18-41	21-40	22-40	24-37	26-37	
16-41	19-40	21-41	22-41	24-38	26-38	
17-40	19-41	22-37	23-37	24-39	26-39	

II. INSPECTION RESULTS: Conducted a Quality Control search audit of 10% of the anomaly excavations in Grids Listed in Section I. The anomaly excavations were chosen at Random, and Searched using the White's Surfmaster Pulse Induction Pro to a depth of 12 inches IAW the work Plan. The Grids Listed were QC'd Prior to Geo Sign off and may have Gaps or Repins. NO QE or QE Like Items were Found.

RRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH

A TYCHO INTERNATIONAL LTD COMPANY

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE:	TIME	LOG NO.
3-17-03	1700	108
CONTRACT NO.: 52759	**DELIVERY ORDER NO.:**	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny, Windy

I. AREAS INSPECTED: (List by grid number, ~~coordinates or description~~)

15-37	15-44	16-42	17-37	18-39	19-47	20-48	22-47	24-47
15-38	15-45	16-43	17-38	18-47	19-48	21-38	22-48	24-48
15-39	16-37	16-44	17-47	18-48	20-38	21-39	23-46	25-46
15-42	16-38	16-45	18-37	19-38	20-39	21-47	23-47	25-47
15-43	16-39	16-46	18-38	19-39	20-47	21-48	23-48	

II. INSPECTION RESULTS: Conducted a Quality Control search audit of 10% of the anomaly excavations in Grids Listed in Section 1. The anomaly excavations were chosen at Random, and Searched using the White's Surfmaster Pulse Induction Pro to a depth of 12 inches IAW the Work Plan. The Grids Listed were OE Cl'd Prior to Geo Sign off and may have Gaps or Repins. No OE or OE Like Items were Found.

CORRECTIVE ACTIONS RECOMMENDED (If required): N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 3-17-03	TIME 1700	LOG NO. 109
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny + windy

I. AREAS INSPECTED: (List by grid number, ~~coordinates or description~~)
17-39

II. INSPECTION RESULTS: Conducted a Quality Control search audit of 10% of the anomaly excavations in Grids Listed in Section I. The anomaly excavations were chosen at Random, and Searched using the White's Surfmaster Pulse Induction Pro to a depth of 12 inches IAW the work Plan. The Grids Listed were QC'd Prior to Geo Sign off and may have Gaps or Repins. One QC Like item was Found at N 1792366.277 E 652067.768

III. CORRECTIVE ACTIONS RECOMMENDED (If required):
Grid Failure must go thrugh the Review process. A Grid Failure Report was inigated.

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 3-19-03	TIME 1400	LOG NO. 110
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: N/A.

I. AREAS INSPECTED: (List by grid number, coordinates or description)

06-19	03-18	02-28	11-20	14-18
05-18	03-19	07-19	12-15	14-20
05-20	03-20	08-19	12-19	15-16
04-20	03-21	09-19	13-16	15-18
04-23	02-27	11-17	14-17	

II. INSPECTION RESULTS: The Grids listed in Section I are in the 200 FT zone. They were OE QC'd with the White's Surfmaster Pulse Induction Pro to a depth of 12 inches IAW the work plan. The Grids were OE QC Swept Pending Geo Data Gaps. On 3-18-03 Geo QC Signed off that there were no data gap or Repin issues. These Grids are Now OE QC Complete and ready for turn over to QA.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A.

OE QC
~~PASSED~~

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 3-19-03	TIME 1700	LOG NO. 111
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Windy, Cool

I. AREAS INSPECTED: (List by grid number, coordinates or description)

27-19	28-19	28-24	30-19
27-20	28-20	29-19	30-21
27-21	28-21	29-20	30-23
27-23	28-22	29-21	
27-24	28-23	29-22	

II. INSPECTION RESULTS: Conducted a Quality Control search audit of 10% of the anomaly excavations in Grids listed in Section I. The anomaly excavations were chosen at Random, and Searched using the White's Surfmaster Pulse Induction Pro to a depth of 12 inches IAW the work Plan. The Grids Listed were QC'd Prior to Geo Sign off and may have Gaps or Repins. No OE or OE Like items were Found.

CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 3-20-03	TIME 1700	LOG NO. 112
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOURTELOT		
WEATHER CONDITIONS: Sunny, Clear		

I. AREAS INSPECTED: (List by grid number, coordinates or description)

05-29	07-30	08-29	09-28	10-28	11-31	30-18
05-30	07-31	08-30	09-29	10-29	11-33	30-20
06-30	07-32	08-31	09-30	10-30	11-36	31-17
06-31	07-33	08-32	09-31	10-31	11-37	31-18
07-29	08-28	08-33	09-32	11-28	27-25	32-18

II. INSPECTION RESULTS: Conducted a Quality Control search audit of 10% of the anomaly excavations in Grids Listed in Section I. The anomaly excavations were chosen at Random, and Searched using the White's Surfmaster Pulse Induction Pro to a depth of 12 inches IAW the Work Plan. The Grids Listed were OE QC'd Prior to Geo Sign off and may have Gaps or Repins. NO OE or OE like items were Found.

CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

OE QC
~~PASSED~~

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 3-24-03	TIME 1700	LOG NO. 113
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOURTELOT

WEATHER CONDITIONS: Sunny, Warm

I. AREAS INSPECTED: (List by grid number, coordinates or description)

22-35	24-36	28-29	26-19
22-36	25-35	28-30	26-22
23-35	25-36	29-28	26-23
23-36	26-36	30-24	
24-35	28-28	30-25	

II. INSPECTION RESULTS: Conducted a Quality Control search audit of 10% of the anomaly excavations in Grids Listed in Section I. The anomaly excavations were chosen at Random, and Searched using the White's Surfmaster Pulse Induction Pro to a depth of 12 inches IAW the work Plan. The Grids Listed were QC'd Prior to Geo Sign off and may have Gaps or Repins. NO OE or OE Like items were found.

CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 3-25-03	TIME 1700	LOG NO. 114
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOUR TELOT		
WEATHER CONDITIONS:		

I. AREAS INSPECTED: (List by grid number, coordinates or description)

20-31	20-36	21-34
20-32	20-37	21-35
20-33	21-31	21-36
20-34	21-32	21-37
20-35	21-33	

II. INSPECTION RESULTS: Conducted a Quality Control search audit of 10% of the anomaly excavations in Grids Listed in Section I. The anomaly excavations were chosen at Random, and Searched using the White's Surfmaster Pulse Induction Pro to a depth of 12 inches IAW the Work Plan. The Grids Listed were QC'd Prior to Geo Sign off and may have Gaps or Repins. No OE or OE Like Items were found.

CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager 3/26/03

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: MAR 25 2003	TIME 1700	LOG NO. 115
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny warm

I. AREAS INSPECTED: (List by grid number, coordinates or description) Grid / Anomaly ID #

2106 2003	2718 2012	3015 2039
2410 2002	2816 2006	3216 2002
2410 2024	2816 2028	
2411 2027	2816 2029	
2511 2501	3014 2061	

II. INSPECTION RESULTS: Performed Investigation of anomaly Digs in Grids listed in section 1. Anomaly Digs were Picked by GeoQC for further investigation. Investigation was conducted using the White's Surfmaster Pulse Induction Pro to a depth of 12 Inches IAW the work Plan. No OE or OE like Items were found

III. CORRECTIVE ACTIONS RECOMMENDED (if required):

N/A

IV. REINSPECTION RESULTS (if required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

3/26/03
Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE:	TIME	LOG NO.
MAR 2 6 2003	1700	116
CONTRACT NO.: 52759	**DELIVERY ORDER NO.:**	

LOCATION: TOURTELOT

WEATHER CONDITIONS: Sunny warm

I. AREAS INSPECTED: (List by grid number, coordinates or description)

10182002	10192043	13142009	15202002	18042004
10182004	10192047	13152028	16192006	
10192003	11192029	14132039	14112005	
10192022	11192055	15142004	16082002	
10192031	11192056	15192005	18042002	

II. INSPECTION RESULTS: Performed Investigation of anomaly digs ~~in~~ Listed in Section 1. Anomaly digs were Picked by Geo QC for Further investigation. Investigation was conducted using the White's Surfmaster Pulse Induction Pro, to a depth of 12 inches IAW the work Plan. No OE or OE like Items were Found.

III. CORRECTIVE ACTIONS RECOMMENDED (If required): N/A.

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 3-27-03 | TIME: 1500 | LOG NO.: 117

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOURTELOT

WEATHER CONDITIONS: ~~Sunny~~ N/A

I. AREAS INSPECTED: (List by grid number, coordinates or description)

24-13	26-16	31-13	14-07	15-06	19-05	24-09
24-14	28-15	31-15	14-08	17-02	21-05	
25-15	28-17	32-13	14-09	17-03	21-07	
25-16	29-14	14-03	14-10	18-02	23-07	
25-17	29-16	14-04	15-03	19-02	23-08	

II. INSPECTION RESULTS: The Grids listed in Section 1 are in the 200 FT zone. They were QC'd with the White's Surfmaster ~~Pro~~ Pulse Induction Pro to a depth of 17 Inches IAW the work Plan. The Grids were QC Swept Pending Gap Data. On 3-26-03 Geo QC Signed off that there were NO Data Gap or Repin issues. These Grids are now QC Complete and Ready for QA.

CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 3/31/03 | TIME 1700 | LOG NO. 118

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny / Warm

I. AREAS INSPECTED: (List by grid number, coordinates or description) 35-34, 35-35, 36-33, 38-31, 38-32, 41-24, 42-24, 42-25, 40-32

II. INSPECTION RESULTS: Conducted a Quality Control search audit of 10% of the anomaly excavations in Grids Listed in Section I. The anomaly excavations were chosen at Random, and Searched using the White's Surfmaster Pulse Induction Pro to a depth of 12 inches IAW the Work Plan. The Grids Listed were QC'd Prior to Geo Sign off and may have Gaps or Repins. NO OE OR OE like items were found.

CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

N/A

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 3/31/03 | TIME 1700 | LOG NO. 119

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOURTELOT

WEATHER CONDITIONS: Sunny / Warm

I. AREAS INSPECTED: (List by grid number, coordinates or description)

3635-2009	3932-2041	43-24-2018	41-25-2030
3635-2013	39-34-2045	43-24-2019	41-30-2007
3733-2003	40-32-2065	43-24-2048	41-30-2013
3831-2039	43-24-2005	43-25-2006	40-25-2058
3932-2002	43-24-2006	41-24-2016	40-25-2059
40-28-2031	40-28-2032	39-26-2011	

II. INSPECTION RESULTS: Performed Investigation of anomaly digs Listed In section I. Anomaly digs were Picked by Geo QC for further Investigation. Investigation was Conducted using The Whites Surfmaster. Pulse Induction Tro to a depth of 12 inches FAW. The work Plan.

NO OE or OE like Items were found

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4/01/03 | TIME 1700 | LOG NO. 120

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny & warm

I. AREAS INSPECTED: (List by grid number, coordinates or description)

37-23	35-30	42-30
37-24	34-27	43-23
36-29	34-28	~~Same as~~ Fine
36-30	34-29	
35-29	34-30	

II. INSPECTION RESULTS: Conducted a Quality Control search audit of 10% of the anomaly excavations in Grids Listed in Section I. The anomaly excavations were chosen at Random, and Searched using the White's Surfmaster Pulse Induction Pro to a depth of 12 inches IAW the Work Plan. The Grids Listed were QC'd Prior to Geo Sign off and may have Gaps or Repins.

III. CORRECTIVE ACTIONS RECOMMENDED (If required): N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Francisco M. Cruz
Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4/01/03 | TIME 1700 | LOG NO. 121

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny & Warm

I. AREAS INSPECTED: (List by grid number, coordinates or description)

35-36-2019
36-36-2001
36-36-2011
36-39-2008
36-40-2011
36-40-2012
36-40-2025
36-40-2065
32-38-2002
32-39-2042

II. INSPECTION RESULTS: Performed Investigation of anomaly digs listed IN Section 1. Anomaly digs Were Picked by Geo DC For further Investigation. Investigation was Conducted USING The Whites Surfmaster Pulse Induction Pro to a depth of 12 Inches IAW The work Plan
NO DE or OE like items were found

III. CORRECTIVE ACTIONS RECOMMENDED (If required): N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Francisco M Soto
Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / Project Manager

EARTH TECH
A TYCO INTERNATIONAL LTD COMPANY

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4-1-03	TIME 1700	LOG NO. 122
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: windy, overcast.

I. AREAS INSPECTED: (List by grid number, coordinates or description)

3634	3734	3834	3934	4034	4134	3930	4124	4129	4227	4324
3635	3735	3835	3935	4035	4135	4027	4125	4130	4228	4325
3731	3831	3931	4031	4131	3927	4028	4126	4224	4229	4326
3732	3832	3932	4032	4132	3928	4029	4127	4225	4230	4327
3733	3833	3933	4033	4133	3929	4030	4128	4226	4323	4423
										4424

II. INSPECTION RESULTS: The Grids listed in Section I are in Sector 8+9 All Grids were QC'd 10% of anomaly digs with the Whites Surfmaster Pulse Induction Pro to a depth of 12 inches IAW the Work Plan. NO QC or QC like Items were found. on 4-1-03 Geo QC Signed off that there are no Gaps or Repins in these Grids. These Grids are now QC complete and Ready For turn over to QA.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

N/A.

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4/2/03 | TIME 1700 | LOG NO. 123

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOURTELOT

WEATHER CONDITIONS: Windy & Afternoon Rain storms

I. AREAS INSPECTED: (List by grid number, coordinates or description)

1507-2026	7-20-2012	4-19-2001	27-38-2032
1505-2031	4-22-2002	4-19-2501	26-38-2011
11-21-2007	4-19-2502	4-19-2502	
10-22-2013	4-18-2023	4-21-2010	
7-21-2039	4-18-2052	26-38-2001	

II. INSPECTION RESULTS: Performed Investigation of anomaly digs listed In section I. Anomaly digs were picked by GeoQC for further Investigation. Investigation was Conducted Using The Whites Surfmaster Pulse Induction Pro to a depth of 12 Inches IAW The Work Plan

NO OE or OE like Items were found.

CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Francisco M. Cota
Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4/02/03	TIME 1700	LOG NO. 124
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Windy & Afternoon Rain storm

I. AREAS INSPECTED: (List by grid number, coordinates or description)

31-38 27-36
31-39
32-38
32-39
38-39

II. INSPECTION RESULTS: Conducted a Quality Control search audit of 10% of the anomaly excavations listed in section I. The anomaly excavations were chosen at Radom, and searched using The White's Surfmasted Pulse Induction Pro to a depth of 12 inches IAW the Work Plan. The grids listed were QE Qced Prior to Geo sign off and May have gaps or Redins.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Francisco M. Cota
Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4/3/03 | TIME 1600 | LOG NO. 125

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOURTELOT

WEATHER CONDITIONS: Cloudy & Warm

I. AREAS INSPECTED: (List by grid number, coordinates or description)

8-22-2003	8-22-2096	7-22-2027	1545-2012	6-22-2080
8-22-2010	8-21-2023	7-20-2017	15-45-2013	6-22-2029
8-22-2034	8-20-2002	7-23-2041	15-45-2005	6-22-2020
8-22-2037	8-20-2012	6-23-2010	15-42-2009	6-22-2022
8-22-2095	8-20-2013	6-23-2009	16-38-2007	6-22-2004
9-21-2015	7-22-2015	6-23-2011	16-38-2006	6-22-2002
			2142-2001	7-22-2025

II. INSPECTION RESULTS: Conducted a Quality Control search Audit and Investigation of anomalies listed in Section 7 Pick by GEO QC for further investigation. Investigation was Conducted with the Whites Surfmaster Pulse Induction MD to a depth of 12 Inches IAW the Work Plan

No OE or OE like Items were found.

III. CORRECTIVE ACTIONS RECOMMENDED (If required): N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Francisco M. Cota
Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4/3/03 | TIME: 1600 | LOG NO.: 126

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOURTELOT

WEATHER CONDITIONS: Cloudy and warm

I. AREAS INSPECTED: (List by grid number, coordinates or description)

14-32	17-44	22-45
14-42	17-45	17-46
14-43	22-42	
17-42	22-43	
17-43	22-44	

II. INSPECTION RESULTS: Conducted a Quality Control search audit of 10% of the anomaly excavations in Grids Listed in Section I. The anomaly excavations were chosen at Random and Searched using the White's Surfmaster Pulse Induction Pro to a depth of 12 inches IAW the work Plan. The Grids Listed were QC'd Prior to Geo Sign off and may have Gaps or Repins.

RRECTIVE ACTIONS RECOMMENDED (if required):

N/A

V. REINSPECTION RESULTS (If required):

SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Francesco M. Costa
Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4/3/03 | TIME: 1700 | LOG NO.: 127

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Cloudy and warm with wind

I. AREAS INSPECTED: (List by grid number, coordinates or description)

26-36	27-36	28-37	29-37	30-38	33-39	34-38	35-36
26-37	27-38	28-38	29-38	30-39	33-40	34-39	35-37
26-38	27-39	28-39	29-39	32-40	33-41	34-40	35-38
26-39	27-40	28-40	29-40	32-41	33-42	34-41	35-39
26-40	27-41	28-41	30-36	32-42	33-43	34-42	35-40
26-41	28-36	29-36	30-37	32-43	34-37	34-43	35-41

II. INSPECTION RESULTS: The grids listed in Section 1 are in Blocks 3, 6, 7 ~~and 11~~, all grids were OE QC'ed 10% & Anomaly digs with The Whites Suctmaster Pulse Induction Pro to a depth of 12 inches IAW The Work Plan. NO OE or OE like items were found on 4-3-03. Geo QC signed off that there are No Gaps of Lanes in These grids. These grids are now OE QC Complete and Ready for turn over to QA.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4/3/03 | TIME 1715 | LOG NO. 128

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOUR TELOT

WEATHER CONDITIONS:

I. AREAS INSPECTED: (List by grid number, coordinates or description)

35-42	3641	38-38	3426	35-27
36-36	37-36	39-36	34-27	35-28
36-37	37-37	~~39-36~~ PMC	34-28	36-25
36-38	37-38	39-37	34-29	36-26
36-39	38-36	40-36	35-25	38-30
36-40	38-37	3425	35-26	

II. INSPECTION RESULTS: The grids IN section 2 are in Blocks 2 and 11. All are OE QC 10% of Anomaly digs with Whites Surfmaster Pulse induction Pro to a depth of 12 inches IAW with the Work Plan. NO OE or OE like Items were found on 4-3-03. Geo QC signed off that these are no Gaps or Re Pins in these grids. These are now OE QC Complete and Ready To be Turned over to QA.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor ~~/ Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4/7/03 | TIME 1700 | LOG NO. 129

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny & Warm

I. AREAS INSPECTED: (List by grid number, coordinates or description)

24-46	19-36	6-24	7-25	9-24	10-26	12-25
22-49	19-37	6-25	7-26	9-25	11-24	12-26
21-49	18-34	6-26	8-24	9-26	11-25	13-24
19-34	18-35	7-24	8-25	10-24	11-26	14-24
19-35	18-36	~~7-25~~	8-26	10-25	12-24	

II. INSPECTION RESULTS: Conducted a Quality Control search audit of 10% of the anomaly excavations in Grids Listed in Section I. The anomaly excavations were chosen at Random, and Searched using the White's Surfmaster Pulse Induction Pro to a depth of 12 inches IAW the Work Plan. The Grids Listed were QC'd Prior to Geo Sign off and may have Gaps or Repins.

CORRECTIVE ACTIONS RECOMMENDED (If required):

OE QC
~~PASSED~~

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4/7/03 | TIME 1715 | LOG NO 130

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Sunny & warm

I. AREAS INSPECTED: (List by grid number, coordinates or description)

13-26-2020	10-24-2006	9-25-2085	8-24-2008
10-26-2070	7-24-2023	9-25-2028	
11-25-2001	7-24-2001	9-25-2029	
11-25-2013	8-26-2005	9-24-2012	
11-25-2046	9-25-2008	8-24-2007	

II. INSPECTION RESULTS: Conducted Quality Control records audit and investigation of anomaly digs listed in Section I Picked By Geo QC for Investigation. Investigation was Conducted using Whites surfMaster Pulse Induction Pro to a depth of 12 inches IAW The work plan.

NO OE or OE like items found.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

4/8/03	TIME 1330	LOG NO. Pic ~~124~~ 131
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOURTELOT

WEATHER CONDITIONS: Sunny & Warm

I. AREAS INSPECTED: (List by grid number, coordinates or description)

9-22-2050	14-19-2006	4-28-2007	328-2007	6-21-2013
9-22-2024	4-29-2009	3-28-2029	3-27-2031	6-21-2021
12-34-2053	4-29-2010	3-28-2027	3-27-2032	6-20-2018
12-34-2058	4-29-2068	3-28-2019	3-27-2009	4-19-2002
12-34-2024	3-29-2001	3-28-2018	7-21-2005	4-18-2052
12-31-2003	4-28-2004	3-28-2008	6-21-2007	419-2502

II. INSPECTION RESULTS: Conducted a Quality Control search Audit and investigation of Anomaly digs listed in section 1 Picked by GEO QC for further investigation. Investigation was Conducted using The Whites SureMaster Pulse induction Pro to a depth of 12 inches IAW Work Plan.

No OE or OE like Items were found.

RRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

E: 4/8/03	TIME 1330	LOG NO. 132
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS:

I. AREAS INSPECTED: (List by grid number, coordinates or description)

12-21-2001 15-20-2006 2410-2026

13-21-2501 15-20-2004

13-21-2502 16-04-2501

II. INSPECTION RESULTS: Conducted Geo QC Picks for further investigation using Whites Surf Master, listed in section I are the Picks QC ed To a depth of 12 inches IAW Work Plan.

No OE OR OE like found.

ORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

4/9/03	TIME 1615	LOG NO. 132
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS:

I. AREAS INSPECTED: (List by grid number, coordinates or description)

5-29-2002	8-35-2016	10-35-2010	12-35-2037	19-32-2067
5-29-2057	9-36-2079	10-36-2007	12-35-2038	19-32-2112
5-29-2058	9-37-2010	11-35-2004	14-34-2015	19-33-2076
7-27-2024	10-34-2007	12-34-2044	18-29-2036	19-32-2121
8-29-2003	10-34-2044	12-34-2053	18-32-2060	20-20-2012
8-35-2008	10-35-2003	12-35-2017	19-22-2013	20-20-2013

II. INSPECTION RESULTS: Conducted a Quality Control Search Audit and investigation of anomaly digs listed in section I picked by Geo QC for further investigation. Investigation was conducted using The Whites Surfmaster Pulse induction Pro to a depth of 12 Inches IAW Work Plan.

NO OE or OE like Items Were found.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Francisco M. Cota
Quality Control Specialist

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH
A TYCO INTERNATIONAL LTD COMPANY

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

4/9/03	TIME 1620	LOG NO. 133
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOURTELOT

WEATHER CONDITIONS:

I. AREAS INSPECTED: (List by grid number, coordinates or description)

20-24-2006	20-32-2042	22-20-2003	23-19-2021
20-24-2007	21-24-2035	22-20-2004	23-20-2069
20-32-2024	21-24-2053	22-20-2005	
20-32-2040	21-29-2048	22-22-2005	
20-32-2041	21-31-2006	23-19-2020	

II. INSPECTION RESULTS: Conducted a Quality Control Search Audit and investigation of anomaly digs listed in section 1 picked by Geo QC for further investigation. Investigation was conducted using the Whites Surfmaster Pulse induction pro to a depth of 12 Inches IAW Work Plan.

NO OE or OE like items were found.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Francisco M. Cota
Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Rreject Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

4/9/03 | TIME 1625 | LOG NO. 134

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOUR TELOT

WEATHER CONDITIONS:

I. AREAS INSPECTED: (List by grid number, coordinates or description)

17-03-8001 18-02-8001 21-07-8001
17-03-8002 18-02-8002
17-03-8003 18-02-8003

II. INSPECTION RESULTS: Conducted QC Investigations with QA DN Anomalies listed in section I. Enc..

NO OE or OE like items found.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Francisco M. Cota
Quality Control Specialist

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH
A TYCO INTERNATIONAL LTD COMPANY

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4/9/03 | TIME: 1630 | LOG NO.: 135

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOUR TELOT

WEATHER CONDITIONS:

I. AREAS INSPECTED: (List by grid number, coordinates or description)

14-25	13-37	15-32
14-26	14-27	15-33
13-25	14-28	13-33
13-26	15-29	11-40
13-34	15-30	6-32
13-35	15-31	15-28

II. INSPECTION RESULTS: Conducted a Quality Control search audit of 10% of the anomaly excavations in Grids Listed in Section I. The anomaly excavations were chosen at Random, and Searched using the White's Surfmaster Pulse Induction Pro to a depth of 12 inches IAW the work Plan. The Grids Listed were QC'd Prior to Geo Sign off and may have Gaps or Repins.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

QC PASSED

IV. REINSPECTION RESULTS (If required):

SIGNATURES:

Francisco M. Cota
Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

4/10/03	TIME 1530	LOG NO. 136
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS: Cloudy & Cool

I. AREAS INSPECTED: (List by grid number, coordinates or description)

13-36-2012	15-34-2011	15-34-2057	15-35-2011
14-31-2012	15-34-2025	15-34-2066	15-35-2012
14-32-2025	15-34-2027	15-34-2074	15-35-2013
14-36-2024	15-34-2042	15-35-2006	15-35-2023
15-34-2001	15-34-2056	15-35-2007	15-35-2034

II. INSPECTION RESULTS: Conducted a Quality Control Search Audit and Investigation of anomaly digs listed in section I Picked by Geo QC for further investigation. Investigation was conducted using The Whites Surfmaster Pulse induction Pro to a depth of 12 Inches IAW Work Plan.

NO OE or OE like Items Were found.

III. CORRECTIVE ACTIONS RECOMMENDED (if required):

N/A

IV. REINSPECTION RESULTS (if required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Francisco M. Cota
Quality Control Specialist

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH
A Tyco International LTD Company

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

4/10/03 | TIME 1530 | LOG NO. 137

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOUR TELOT

WEATHER CONDITIONS:

I. AREAS INSPECTED: (List by grid number, coordinates or description)

15-35-2035	15-35-2074	15-36-2148	16-30-2056
15-35-2039	15-36-2058	16-30-2019	16-31-2010
15-35-2042	15-36-2087	16-30-2027	16-31-2012
15-35-2052	15-36-2108	16-30-2028	16-31-2047
15-35-2054	15-36-2185	16-30-2051	16-32-2013

II. INSPECTION RESULTS: Conducted a Quality Control Search Audit and investigation of anomaly digs listed in section 1 picked by Geo QC for further investigation. Investigation was conducted using the Whites Surfmaster Pulse induction Pro to a depth of 12 Inches IAW Work Plan.

NO OE or OE like Items Were found.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Francisco M. Cota
Quality Control Specialist

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

4/10/03	TIME 1530	LOG NO. 138
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOUR TELOT		
WEATHER CONDITIONS:		

I. AREAS INSPECTED: (List by grid number, coordinates or description)

16-32-2014	16-35-2047	17-31-2067
16-32-2015	17-31-2001	18-32-2033
16-32-2042	17-31-2041	18-33-2019
16-32-2043	17-31-2042	18-33-2020
16-33-2021	17-31-2043	21-29-2048

II. INSPECTION RESULTS: Conducted a Quality Control Search Audit and Investigation of anomaly digs listed in Section I Picked by Geo QC for further investigation. Investigation was Conducted using the Whites Surfmaster Pulse Induction Pro to a depth of 12 Inches IAW Work Plan.

NO OE or OE like Items Were found.

III. CORRECTIVE ACTIONS RECOMMENDED (if required):

N/A

IV. REINSPECTION RESULTS (if required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Francisco M. Costa
Quality Control Specialist

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4/10/03 | TIME 1540 | LOG NO. 139

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOURTELOT

WEATHER CONDITIONS:

I. AREAS INSPECTED: (List by grid number, coordinates or description)

8-27 6-28
7-27 5-28
6-27 6-29
~~[illegible]~~ Fme
7-28

II. INSPECTION RESULTS: Conducted a Quality Control search audit of 10% of the anomaly excavations in Grids Listed in Section I. The anomaly excavations were chosen at Random, and Searched using the White's Surfmaster Pulse Induction Pro to a depth of 12 inches IAW the Work Plan. The Grids Listed were QE QC'd Prior to Geo Sign off and may have Gaps or Repins.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

QE QC
PASSED

V. REINSPECTION RESULTS (If required):

SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Francisco M. Cota
Quality Control Specialist

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH
A Tyco International LTD Company

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

4/14/03 | TIME 1330 | LOG NO. 140

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOUR TELOT

WEATHER CONDITIONS:

I. AREAS INSPECTED: (List by grid number, coordinates or description)

21-39-2022	23-36-2032	24-39-2052	18-36-2051	19-39-2009
21-39-2103	23-38-2077	30-39-2018	18-36-2073	12-34-2049
21-39-2149	23-38-2078	41-32-2009	18-39-2034	16-30-2002
21-39-2150	24-38-3050	19-34-2044	19-34-2002	17-31-2040
21-39-2151	24-38-3051	18-35-2082	19-34-2009	
22-35-2033	24-39-2046	18-36-2012	19-39-2007	

II. INSPECTION RESULTS: Conducted a Quality Control Search Audit and Investigation of anomaly digs listed in Section I Picked by Geo QC for further investigation. Investigation was conducted using the Whites Surfmaster Pulse Induction Pro to a depth of 12 Inches IAW Work Plan.

NO OE or OE like Items Were found.

RRECTIVE ACTIONS RECOMMENDED (If required):

N/A

V. REINSPECTION RESULTS (If required):

I. SIGNATURES:

Francisco M. Cota
Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

4/15/03	TIME 1030	LOG NO. 142
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	

LOCATION: TOUR TELOT

WEATHER CONDITIONS:

I. AREAS INSPECTED: (List by grid number, coordinates or description)
27-37

II. INSPECTION RESULTS: The grid in section 2 is in Blak 3. This grid was failed by form QEQC. Today the P.M. JOE Bird submitted a Response in written form with John Dickerson for the Withdrawal of Nonconformance Report # 5.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Francisco M. Cota
Quality Control Specialist

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4/15/03	TIME 1430	LOG NO. 143
CONTRACT NO.: 52759	DELIVERY ORDER NO.:	
LOCATION: TOURTELOT		
WEATHER CONDITIONS:		

I. AREAS INSPECTED: (List by grid number, coordinates or description)

26-23-2015 27-22-2088 2013-2020
26-24-2042 27-23-2018 2013-2021
27-22-2064 28-22-2072
27-22-2087 28-22-2073

II. INSPECTION RESULTS: Conducted a Quality Control Search Audit and investigation of anomaly digs listed in section 1 picked by Geo QC for further investigation. Investigation was conducted using The Whites Surfmaster Pulse induction Pro to a depth of 12 Inches IAW Work Plan.

NO OE or OE like Items Were found.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Francisco M. Cota
Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Project Manager~~

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4/15/03 | TIME: 1700 | LOG NO.: 145

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOUR TELOT

WEATHER CONDITIONS:

I. AREAS INSPECTED: (List by grid number, coordinates or description)

OE QC Database 312 partial OE QC changed to Complete OEQC
See attached.

II. INSPECTION RESULTS: Changed status of OE QC Partial TO OE QC Complete of grids in data Base. This was done by ensuring that 10% QC was done as well as additional OE QC was done after Production work was done.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / ~~Project Manager~~

Grid Number	QE QC Initiate	QE QC Complet
3727	3/11/2003	4/15/2003
3728	3/11/2003	4/15/2003
3729	3/11/2003	4/15/2003
3730	3/11/2003	4/15/2003
3736	2/26/2003	4/15/2003
3737	2/26/2003	4/15/2003
3738	2/27/2003	4/15/2003
3739	2/27/2003	4/15/2003
3740	2/26/2003	4/15/2003
3825	3/11/2003	4/15/2003
3826	3/11/2003	4/15/2003
3827	3/11/2003	4/15/2003
3828	3/11/2003	4/15/2003
3829	3/11/2003	4/15/2003
3830	3/6/2003	4/15/2003
3836	2/26/2003	4/15/2003
3837	2/27/2003	4/15/2003
3838	2/27/2003	4/15/2003
3839	4/2/2003	4/15/2003
3925	2/27/2003	4/15/2003
3926	2/26/2003	4/15/2003
3936	2/27/2003	4/15/2003
3937	2/26/2003	4/15/2003
4025	2/27/2003	4/15/2003
4026	2/26/2003	4/15/2003
4036	2/27/2003	4/15/2003

Grid Number	OE GO Initiate	OE GO Complete
3527	3/11/2003	4/15/2003
3528	3/11/2003	4/15/2003
3529	4/1/2003	4/15/2003
3530	4/1/2003	4/15/2003
3534	3/31/2003	4/15/2003
3535	3/31/2003	4/15/2003
3536	2/26/2003	4/15/2003
3537	2/26/2003	4/15/2003
3538	3/4/2003	4/15/2003
3539	2/26/2003	4/15/2003
3540	2/26/2003	4/15/2003
3541	2/26/2003	4/15/2003
3542	2/26/2003	4/15/2003
3622	3/11/2003	4/15/2003
3623	3/11/2003	4/15/2003
3624	3/11/2003	4/15/2003
3625	3/11/2003	4/15/2003
3626	3/11/2003	4/15/2003
3627	3/11/2003	4/15/2003
3628	3/11/2003	4/15/2003
3629	4/1/2003	4/15/2003
3630	4/1/2003	4/15/2003
3633	3/31/2003	4/15/2003
3636	2/26/2003	4/15/2003
3637	2/26/2003	4/15/2003
3638	2/26/2003	4/15/2003
3639	2/27/2003	4/15/2003
3640	2/27/2003	4/15/2003
3641	2/26/2003	4/15/2003
3723	4/1/2003	4/15/2003
3724	4/1/2003	4/15/2003
3725	3/11/2003	4/15/2003
3726	3/11/2003	4/15/2003

Grid Number	QE QC Initiate	QE QC Complet
3326	2/6/2003	4/15/2003
3327	2/10/2003	4/15/2003
3329	2/10/2003	4/15/2003
3336	3/4/2003	4/15/2003
3337	3/4/2003	4/15/2003
3338	3/4/2003	4/15/2003
3339	3/4/2003	4/15/2003
3340	3/4/2003	4/15/2003
3341	3/4/2003	4/15/2003
3342	3/4/2003	4/15/2003
3343	3/4/2003	4/15/2003
3422	2/4/2003	4/15/2003
3423	2/4/2003	4/15/2003
3424	3/11/2003	4/15/2003
3425	3/11/2003	4/15/2003
3426	3/11/2003	4/15/2003
3427	4/1/2003	4/15/2003
3428	4/1/2003	4/15/2003
3429	4/1/2003	4/15/2003
3430	4/1/2003	4/15/2003
3436	2/26/2003	4/15/2003
3437	2/26/2003	4/15/2003
3438	2/26/2003	4/15/2003
3439	2/26/2003	4/15/2003
3440	2/26/2003	4/15/2003
3441	3/4/2003	4/15/2003
3442	3/4/2003	4/15/2003
3443	3/4/2003	4/15/2003
3522	2/4/2003	4/15/2003
3523	2/4/2003	4/15/2003
3524	2/4/2003	4/15/2003
3525	3/11/2003	4/15/2003
3526	3/11/2003	4/15/2003

Grid Number	OE QC Initiate	OE QC Complet
3118	3/20/2003	4/15/2003
3124	2/11/2003	4/15/2003
3125	2/6/2003	4/15/2003
3126	2/10/2003	4/15/2003
3127	2/10/2003	4/15/2003
3128	2/6/2003	4/15/2003
3129	2/10/2003	4/15/2003
3134	3/5/2003	4/15/2003
3135	3/5/2003	4/15/2003
3136	3/5/2003	4/15/2003
3137	3/5/2003	4/15/2003
3138	4/2/2003	4/15/2003
3139	4/2/2003	4/15/2003
3216	11/20/2002	4/15/2003
3218	3/20/2003	4/15/2003
3225	2/11/2003	4/15/2003
3226	2/10/2003	4/15/2003
3227	2/6/2003	4/15/2003
3228	2/10/2003	4/15/2003
3229	2/10/2003	4/15/2003
3230	2/13/2003	4/15/2003
3234	3/5/2003	4/15/2003
3235	3/4/2003	4/15/2003
3236	3/4/2003	4/15/2003
3237	3/4/2003	4/15/2003
3238	4/2/2003	4/15/2003
3239	4/2/2003	4/15/2003
3240	3/4/2003	4/15/2003
3241	3/4/2003	4/15/2003
3242	3/4/2003	4/15/2003
3243	3/4/2003	4/15/2003
3323	2/4/2003	4/15/2003
3325	2/6/2003	4/15/2003

Grp Number	QE QC Tested	QE QC Complete
2835	3/5/2003	4/15/2003
2836	3/5/2003	4/15/2003
2837	3/5/2003	4/15/2003
2838	3/5/2003	4/15/2003
2839	3/5/2003	4/15/2003
2840	3/5/2003	4/15/2003
2841	3/5/2003	4/15/2003
2919	3/19/2003	4/15/2003
2920	3/19/2003	4/15/2003
2921	3/19/2003	4/15/2003
2922	3/19/2003	4/15/2003
2934	3/5/2003	4/15/2003
2935	3/5/2003	4/15/2003
2936	3/5/2003	4/15/2003
2937	3/5/2003	4/15/2003
2938	3/5/2003	4/15/2003
2939	3/5/2003	4/15/2003
2940	3/5/2003	4/15/2003
3014	11/20/2002	4/15/2003
3015	11/20/2002	4/15/2003
3018	3/20/2003	4/15/2003
3019	3/19/2003	4/15/2003
3020	3/20/2003	4/15/2003
3021	3/19/2003	4/15/2003
3023	3/19/2003	4/15/2003
3026	2/6/2003	4/15/2003
3034	3/5/2003	4/15/2003
3035	3/5/2003	4/15/2003
3036	3/5/2003	4/15/2003
3037	3/5/2003	4/15/2003
3038	3/5/2003	4/15/2003
3039	3/5/2003	4/15/2003
3117	3/20/2003	4/15/2003

Grid Number	OE QC Initiate	OE QC Complet
2524	3/10/2003	4/15/2003
2544	1/29/2003	4/15/2003
2545	1/29/2003	4/15/2003
2546	3/17/2003	4/15/2003
2547	3/17/2003	4/15/2003
2636	4/3/2003	4/15/2003
2637	3/12/2003	4/15/2003
2638	3/12/2003	4/15/2003
2639	3/12/2003	4/15/2003
2640	3/12/2003	4/15/2003
2641	3/12/2003	4/15/2003
2718	11/20/2002	4/15/2003
2719	3/19/2003	4/15/2003
2720	3/19/2003	4/15/2003
2721	3/19/2003	4/15/2003
2723	3/19/2003	4/15/2003
2724	3/19/2003	4/15/2003
2725	3/20/2003	4/15/2003
2736	4/2/2003	4/15/2003
2737	3/6/2003	4/15/2003
2738	3/6/2003	4/15/2003
2739	3/6/2003	4/15/2003
2740	3/6/2003	4/15/2003
2741	3/6/2003	4/15/2003
2742	1/29/2003	4/15/2003
2816	11/20/2002	4/15/2003
2819	3/19/2003	4/15/2003
2820	3/19/2003	4/15/2003
2821	3/19/2003	4/15/2003
2822	3/19/2003	4/15/2003
2823	3/19/2003	4/15/2003
2824	3/19/2003	4/15/2003
2834	3/5/2003	4/15/2003

Grid Number	OE QC Initiated	OE QC Complet
2247	3/17/2003	4/15/2003
2248	3/17/2003	4/15/2003
2249	4/7/2003	4/15/2003
2318	3/10/2003	4/15/2003
2319	3/10/2003	4/15/2003
2320	3/10/2003	4/15/2003
2321	3/10/2003	4/15/2003
2322	3/10/2003	4/15/2003
2323	3/10/2003	4/15/2003
2324	3/10/2003	4/15/2003
2343	1/28/2003	4/15/2003
2344	1/28/2003	4/15/2003
2346	3/17/2003	4/15/2003
2347	3/17/2003	4/15/2003
2348	3/17/2003	4/15/2003
2410	11/20/2002	4/15/2003
2411	11/20/2002	4/15/2003
2419	3/10/2003	4/15/2003
2420	3/10/2003	4/15/2003
2421	3/10/2003	4/15/2003
2422	3/10/2003	4/15/2003
2423	3/10/2003	4/15/2003
2424	3/10/2003	4/15/2003
2444	1/28/2003	4/15/2003
2445	1/28/2003	4/15/2003
2446	4/7/2003	4/15/2003
2447	3/17/2003	4/15/2003
2448	3/17/2003	4/15/2003
2511	11/20/2002	4/15/2003
2520	3/10/2003	4/15/2003
2521	3/10/2003	4/15/2003
2522	3/10/2003	4/15/2003
2523	3/10/2003	4/15/2003

Grid Number	QE QC Initial	QE QC Complete
2117	3/10/2003	4/15/2003
2118	3/10/2003	4/15/2003
2121	3/10/2003	4/15/2003
2122	3/10/2003	4/15/2003
2123	3/10/2003	4/15/2003
2131	3/25/2003	4/15/2003
2132	3/25/2003	4/15/2003
2133	3/25/2003	4/15/2003
2134	3/25/2003	4/15/2003
2135	3/25/2003	4/15/2003
2136	3/25/2003	4/15/2003
2137	3/25/2003	4/15/2003
2138	3/17/2003	4/15/2003
2139	3/17/2003	4/15/2003
2147	3/17/2003	4/15/2003
2148	3/17/2003	4/15/2003
2149	4/7/2003	4/15/2003
2211	3/10/2003	4/15/2003
2214	3/10/2003	4/15/2003
2215	3/10/2003	4/15/2003
2216	3/10/2003	4/15/2003
2217	3/10/2003	4/15/2003
2218	3/10/2003	4/15/2003
2219	3/10/2003	4/15/2003
2220	3/10/2003	4/15/2003
2221	3/10/2003	4/15/2003
2222	3/10/2003	4/15/2003
2223	3/10/2003	4/15/2003
2224	3/10/2003	4/15/2003
2242	4/3/2003	4/15/2003
2243	4/3/2003	4/15/2003
2244	4/3/2003	4/15/2003
2245	4/3/2003	4/15/2003

Grid Number	OE QC Initiate	OE QC Complete
1835	4/7/2003	4/15/2003
1836	4/7/2003	4/15/2003
1837	3/17/2003	4/15/2003
1838	3/17/2003	4/15/2003
1839	3/17/2003	4/15/2003
1847	3/17/2003	4/15/2003
1848	3/17/2003	4/15/2003
1934	4/7/2003	4/15/2003
1935	4/7/2003	4/15/2003
1936	4/7/2003	4/15/2003
1937	4/7/2003	4/15/2003
1938	3/17/2003	4/15/2003
1939	3/17/2003	4/15/2003
1947	3/17/2003	4/15/2003
1948	3/17/2003	4/15/2003
2031	3/25/2003	4/15/2003
2032	3/25/2003	4/15/2003
2033	3/25/2003	4/15/2003
2034	3/25/2003	4/15/2003
2035	3/25/2003	4/15/2003
2036	3/25/2003	4/15/2003
2037	3/25/2003	4/15/2003
2038	3/17/2003	4/15/2003
2039	3/17/2003	4/15/2003
2047	3/17/2003	4/15/2003
2048	3/17/2003	4/15/2003
2106	11/20/2002	4/15/2003
2111	3/10/2003	4/15/2003
2112	3/10/2003	4/15/2003
2113	3/10/2003	4/15/2003
2114	3/10/2003	4/15/2003
2115	3/10/2003	4/15/2003
2116	3/10/2003	4/15/2003

Enrollment Number	Date Completed	Date Received
1437	4/3/2003	4/15/2003
1442	4/3/2003	4/15/2003
1443	4/3/2003	4/15/2003
1514	11/20/2002	4/15/2003
1519	11/20/2002	4/15/2003
1520	11/20/2002	4/15/2003
1537	3/17/2003	4/15/2003
1538	3/17/2003	4/15/2003
1539	3/17/2003	4/15/2003
1542	3/17/2003	4/15/2003
1543	3/17/2003	4/15/2003
1544	3/17/2003	4/15/2003
1545	3/17/2003	4/15/2003
1608	11/20/2002	4/15/2003
1619	11/20/2002	4/15/2003
1637	3/17/2003	4/15/2003
1638	3/17/2003	4/15/2003
1639	3/17/2003	4/15/2003
1642	3/17/2003	4/15/2003
1643	3/17/2003	4/15/2003
1644	3/17/2003	4/15/2003
1645	3/17/2003	4/15/2003
1646	3/17/2003	4/15/2003
1737	3/17/2003	4/15/2003
1738	3/17/2003	4/15/2003
1742	4/3/2003	4/15/2003
1743	4/3/2003	4/15/2003
1744	4/3/2003	4/15/2003
1745	4/3/2003	4/15/2003
1746	4/3/2003	4/15/2003
1747	3/17/2003	4/15/2003
1804	11/20/2002	4/15/2003
1834	4/7/2003	4/15/2003

Grid Number	QE QC Initiate	QE QC Complete
926	4/7/2003	4/15/2003
928	3/20/2003	4/15/2003
929	3/20/2003	4/15/2003
930	3/20/2003	4/15/2003
931	3/20/2003	4/15/2003
932	3/20/2003	4/15/2003
1018	11/20/2002	4/15/2003
1019	11/20/2002	4/15/2003
1024	4/7/2003	4/15/2003
1025	4/7/2003	4/15/2003
1026	4/7/2003	4/15/2003
1028	3/20/2003	4/15/2003
1029	3/20/2003	4/15/2003
1030	3/20/2003	4/15/2003
1031	3/20/2003	4/15/2003
1119	11/20/2002	4/15/2003
1124	4/7/2003	4/15/2003
1125	4/7/2003	4/15/2003
1126	4/7/2003	4/15/2003
1128	3/20/2003	4/15/2003
1131	3/20/2003	4/15/2003
1133	3/20/2003	4/15/2003
1136	3/20/2003	4/15/2003
1137	3/20/2003	4/15/2003
1224	4/7/2003	4/15/2003
1225	4/7/2003	4/15/2003
1226	4/7/2003	4/15/2003
1314	11/20/2002	4/15/2003
1315	11/20/2002	4/15/2003
1324	4/7/2003	4/15/2003
1411	11/20/2002	4/15/2003
1413	11/20/2002	4/15/2003
1424	4/7/2003	4/15/2003

Grid Number	QE QC Initiate	QE QC Complete
528	4/10/2003	4/15/2003
529	3/20/2003	4/15/2003
530	3/20/2003	4/15/2003
624	4/7/2003	4/15/2003
625	4/7/2003	4/15/2003
626	4/7/2003	4/15/2003
627	4/10/2003	4/15/2003
628	4/10/2003	4/15/2003
629	4/10/2003	4/15/2003
630	3/20/2003	4/15/2003
631	3/20/2003	4/15/2003
724	4/7/2003	4/15/2003
725	4/7/2003	4/15/2003
726	4/7/2003	4/15/2003
727	4/10/2003	4/15/2003
728	4/10/2003	4/15/2003
729	3/20/2003	4/15/2003
730	3/20/2003	4/15/2003
731	3/20/2003	4/15/2003
732	3/20/2003	4/15/2003
733	3/20/2003	4/15/2003
824	4/7/2003	4/15/2003
825	4/7/2003	4/15/2003
826	4/7/2003	4/15/2003
827	4/10/2003	4/15/2003
828	3/20/2003	4/15/2003
829	3/20/2003	4/15/2003
830	3/20/2003	4/15/2003
831	3/20/2003	4/15/2003
832	3/20/2003	4/15/2003
833	3/20/2003	4/15/2003
924	4/7/2003	4/15/2003
925	4/7/2003	4/15/2003

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4/16/03 | TIME 1616 | LOG NO. 146

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOUR TELOT

WEATHER CONDITIONS:

I. AREAS INSPECTED: (List by grid number, coordinates or description)

6-22	8-23	12-22	12-28	12-37	12-27
6-23	9-23	12-23	12-29	11-38	8-35
7-22	10-23	9-27	11-29	11-39	8-36
7-21	11-22	10-27	11-30	9-33	
7-23	11-23	11-27	12-30	9-34	

II. INSPECTION RESULTS: Conducted a Quality Control search audit of 10% of the anomaly excavations in Grids Listed in Section 1. The anomaly excavations were chosen at Random, and Searched using the White's Surfmaster Pulse Induction Pro to a depth of 12 inches IAW the work Plan. These grids are OE QC Complete.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

OE QC PASSED

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Francisco M. Cota
Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / Project Manager

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4/17/03 | TIME 1700 | LOG NO. 147

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOUR TELOT

WEATHER CONDITIONS:

I. AREAS INSPECTED: (List by grid number, coordinates or description)
10-34
10-35
10-36
10-37
10-38

II. INSPECTION RESULTS: Conducted a Quality Control search audit of 10% of the anomaly excavations in Grids Listed in Section I. The anomaly excavations were chosen at Random, and Searched using the White's Surfmaster Pulse Induction Pro to a depth of 12 inches IAW the Work Plan. These grids are NOW OE QC complete. See attached.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

OE QC PASSED

IV. REINSPECTION RESULTS (If required):

SIGNATURES:

Francisco M. Cota
Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / Project Manager

Anomaly Num	Easting	Northing
10342038QC	6519563.308	1791658.893
10342037QC	6519560.566	1791660.963
10342053QC	6519523.559	1791688.883
10342048QC	6519503.288	179164.397
10342054QC	6519501.705	1791648.785
10342022QC	6519500.465	1791622.879
10342019QC	6519511.449	1791614.996
10342021QC	6519516.753	1791615.583
10342071QC	6519525.145	1791621.134
10342024QC	6519526.673	1791623.979
10342042QC	6519543.158	1791652.699
10342043QC	6519544.67	1791656.282
10342039QC	6519561.305	1791649.718
10342027QC	6519561.12	1791636.732
10342029QC	6519565.065	1791632.525
10342009QC	6519575.181	1791615.566
10342058QC	6519586.036	1791615.68
10342007QC	6519587.703	1791626.394
10342012QC	6519586.575	1791633.261
10342014QC	6519591.843	1791636.601
10342034QC	6519595.301	1791645.479
10352032QC	6519618.778	1791645.732
10352009QC	6519631.551	1791635.659
10352029QC	6519641.174	1791635.128
10352033QC	6519647.828	1791640.91
10352027QC	6519655.512	1791652.211
10352050QC	6519660.857	1791657.714
10352011QC	6519669.865	1791653.532
10352023QC	6519692.886	1791646.603
10352020QC	6519697.952	1791633.619
10352019QC	6519697.758	1791612.874
10352006QC	6519660.973	1791612.697
10352008QC	6519629.196	1791619.183
10352024QC	6519630.175	1791612.452
10352002QC	6519627.39	1791605.317
10352001QC	6519623.132	1791607663
10352004QC	6519615.664	1791612.266
10352028QC	6519604.416	1791604.381
10362053QC	6519782.927	1791608.803
10362012QC	6519715.019	1791635.079
10362016QC	6519706.42	1791638.277

Anomaly Num	Easting	Northing
10362004QC	6519702.756	1791615.339
10362003QC	6519700.333	1791610.573
10362001QC	6519705.568	1791602.705
10362002QC	6519728.479	1791607.355
10362005QC	6519732.182	1791616.347
10362009QC	6519735.609	1791629.467
10362007QC	6519731.371	1791631.405
10362013QC	6519746.312	1791636.425
10362014QC	6519748.939	1791645.297
10362020QC	6519773.73	1791658.84
10362066QC	6519788.036	1791622.33
10362067QC	6519796.803	1791655.135
10362018QC	6519794.994	1791654.019
10362051QC	6519793.516	1791605.163
10362052QC	6519791.674	1791609.315
10362006QC	6519788.776	1791617.558
10362046QC	6519791.847	1791602.36
10362069QC	6519789.97	1791605.931
10362068QC	6519787.511	1791605.51
10362070QC	6519784.721	1791612.754
10362098QC	6519782.927	1791608.803
10372097QC	6519805.155	1791613.105
10372072QC	6519801.13	1791624.837
10372087QC	6519809.377	1791649.558
10372032QC	6519808.538	1791649.955
10372056QC	6519818.475	1791657.991
10372035QC	6519821.304	1791655.979
10372062QC	6519832.483	1791640.195
10372020QC	6519831.41	1791636.126
10372053QC	6519827.685	1791636.877
10372068QC	6519828.838	1791628.405
10372012QC	6519841.018	1791611.737
10372003QC	6519836.842	1791602.354
10372093QC	6519841.848	1791622.323
10372079QC	6519847.991	1791631.715
10372051QC	6519855.366	1791638.119
10372033QC	6519881.839	1791650.042
10372060QC	6519889.649	1791651.903
10382004QC	6519937.625	1791678.112
10382002QC	6519934.706	1791675.241
10382007QC	6519904.49	1791658.57

Anomaly Num	Easting	Northing
10382001QC	6519900.465	1791657.373

EARTH TECH UXO QUALITY CONTROL INSPECTION AND AUDIT LOG
FOR OE OPERATIONS

DATE: 4/17/03 | TIME: 1710 | LOG NO.: 148

CONTRACT NO.: 52759 | DELIVERY ORDER NO.:

LOCATION: TOUR TELOT

WEATHER CONDITIONS:

I. AREAS INSPECTED: (List by grid number, coordinates or description)

15-40	17-41	20-40	22-38	23-38	25-37
15-41	18-40	20-41	22-39	23-39	25-39
16-40	18-41	21-40	22-40	24-37	
16-41	19-40	21-41	22-41	24-38	
17-40	19-41	22-37	23-37	24-39	

II. INSPECTION RESULTS: Additional Investigation by OE QC done in the grids listed in section I to change status of listed grids from OE Partial to OE complete. Dates of additional work may be found in OE QC Database.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

N/A

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Francisco M. Cota
Quality Control Specialist

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Sr. UXO Supervisor / Project Manager

northgate
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UXO QUALITY CONTROL INSPECTION AND AUDIT LOG

DATE: 8/13/03	TIME: 1700	LOG #: 340
Project #: 7001	LOCATION: Tourtelot, Ca.	
WEATHER CONDITION: Sunny and warm.		

I. AREAS INSPECTED: (Listed by grid number, coordinates or description) Sector 5, Grid 15-21

II. INSPECTION RESULTS: Pass. Conducted a OE QC 10% audit on the grid listed in section 1. Only one piece of scrap was found, the investigation was conducted using a White's Induction Pro Locator, no OE or OE like items were found

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

Quality Control Manager

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Project Manager 8/13/03

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UXO QUALITY CONTROL INSPECTION AND AUDIT LOG

DATE: 8/30/03	TIME: 1115	LOG #: 388
Project #: 7001	LOCATION: Tourtelot, Ca.	
WEATHER CONDITION: Sunny and warm.		

I. AREAS INSPECTED: (Listed by grid number, coordinates or description) Grids 14-32, 14-33, 14-34, 14-35, 14-36, 15-32, 15-33, 15-34, 16-34.

II. INSPECTION RESULTS: OE QC pass. Conducted an OE QC 10% audit into the grids listed in section 1. The grids audited were real time scanned by dig teams using controlled lanes and spacing. The dig team and QC personnel conducted operations using a White's Induction Pro locator.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

OE QC
PASSED

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Quality Control Manager

Project Manager 9/01/03

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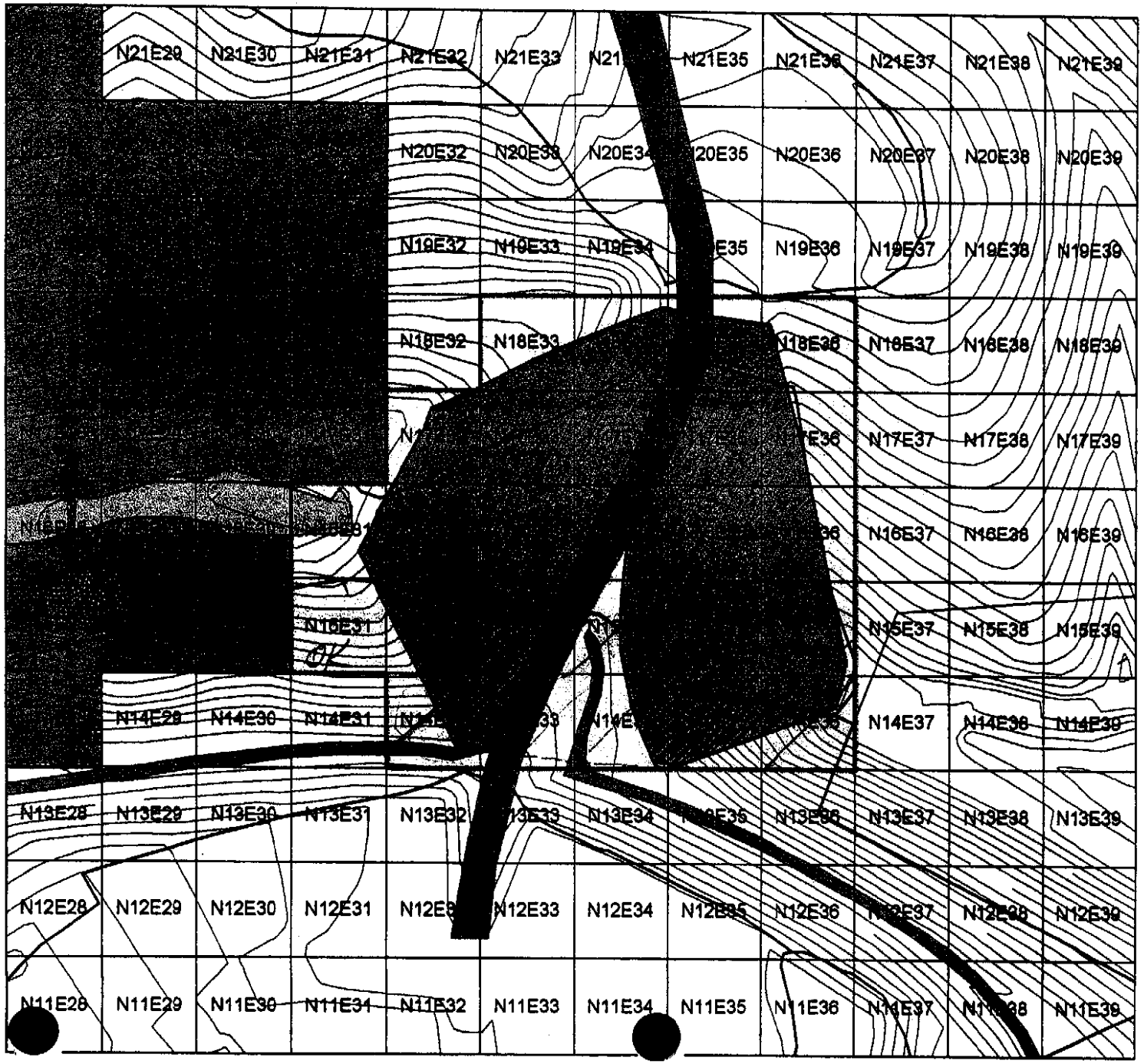
Landbridge

NAEVA GEOPHYSICS INC
Subsurface Geophysical Surveys



Legend

- Area of Concern
- Landbridge
- Real Time Clearance
- Mechanical Removal Area
- D-1 Parcelization Complete
- Road
- Sewer Bench Road
- Wetlands

N

0 20 40 80 120 Feet

Contour Interval=5 ft

Area of Landbridge
West side= 77956 sq ft
East side= 77012 sq ft

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UXO QUALITY CONTROL INSPECTION AND AUDIT LOG

DATE: 9/03/03	TIME: 1730	LOG #: 397
Project #: 7001	LOCATION: Tourtelot, Ca.	
WEATHER CONDITION: Sunny and warm.		

I. AREAS INSPECTED: (Listed by grid number, coordinates or description) 32-32, 31-32, 31-33, 31-30.

II. INSPECTION RESULTS: OE QC pass. Conducted a OE QC investigation into the grids listed in Section one. The investigation into polygons selected by Geo QC was conducted using a White's Induction Pro locator sweeping the area within the polygons, dig results were recorded onto a I-Pac. No large hits were encountered, dig results and contour maps are attached, no OE or OE like items were found.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Quality Control Manager

Project Manager 9/03/03

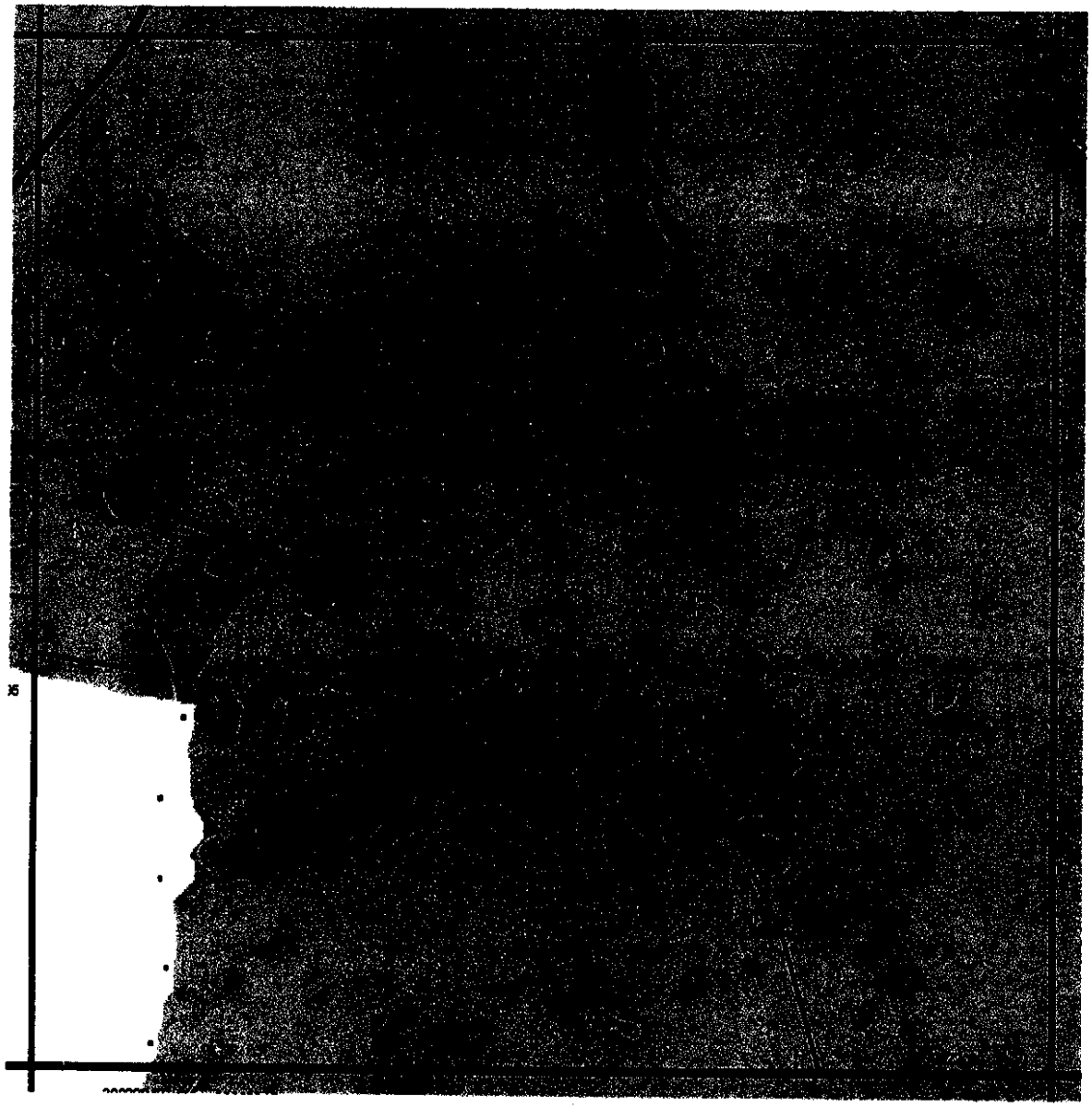
DigID	DigNumber	Date	SectorID	AnomID	GridID	UXOSupr	CrewNbr	DataRedr	GpvSrc
1	1	9/3/2003 3:10:55 PM	6	32329101	3232	CotaF		CotaF	SeeRmrks
2	2	9/3/2003 3:13:56 PM	6	32329102	3232	CotaF		CotaF	SeeRmrks
3	3	9/3/2003 3:14:32 PM	6	32329103	3232	CotaF		CotaF	OEScrap
4	4	9/3/2003 3:15:59 PM	6	32329104	3232	CotaF		CotaF	SeeRmrks
5	5	9/3/2003 3:21:56 PM	6	31339101	3133	CotaF		CotaF	SeeRmrks
6	6	9/3/2003 3:23:22 PM	6	31339102	3133	CotaF		CotaF	SeeRmrks
7	7	9/3/2003 3:25:55 PM	6	31339103	3133	CotaF		CotaF	SeeRmrks
8	8	9/3/2003 3:26:37 PM	6	31329101	3132	CotaF		CotaF	SeeRmrks
9	9	9/3/2003 3:28:04 PM	6	31329102	3132	CotaF		CotaF	SeeRmrks
10	10	9/3/2003 3:28:45 PM	6	31329103	3132	CotaF		CotaF	SeeRmrks
11	11	9/3/2003 4:05:20 PM	6	31309101	3130	CotaF		CotaF	SeeRmrks
12	12	9/3/2003 4:06:44 PM	6	31309102	3130	CotaF		CotaF	SeeRmrks
13	13	9/3/2003 4:07:45 PM	6	31309103	3130	CotaF		CotaF	SeeRmrks

Exc Mthd	Exc Dep	Exc Width	Exc Depth
Shovel	12	12	5
See Rmrks	0	0	0
See Rmrks	0	0	0
See Rmrks	0	0	0
See Rmrks	0	0	0

Remarks	PhotoNo	PhotoDir	CameraNo
QC dIG, wird, 3 inches			
QC dig, washer			
QC dig,			
QC dig, strand of fence wire			
QC DIG, fence wire			
QC DIG, 3 inch bolt			
QC DIG, SCRAP METAL			
QC DIG, Barb wire			
QC DIG, 4 inch nail			
QC DIG, 2 nails			
QC dig, wire			
QC dig, nail			
QC dig, hit disappeared			

DigItmID	DigID	Desc	CatEquiv	Multiple	CompStr	CndIrtd	CndPaint	CndRust	CndDent	CndRunks
3	3	Frag	OEScrap		Ferrous	☐	☑	☑	☐	☐

DiamMM	DiamIN	LengthIN	WidthIN	Markings	WghtLbs	WghtOz	WallMM	WallIN	Bearing	Inclination	DistFlag	DirFlag	Depth
		4	1			3		0.25					5



Phase 2 Contour Map for N31E32

Estimated Calibration Target Response

Noise Threshold

Zero

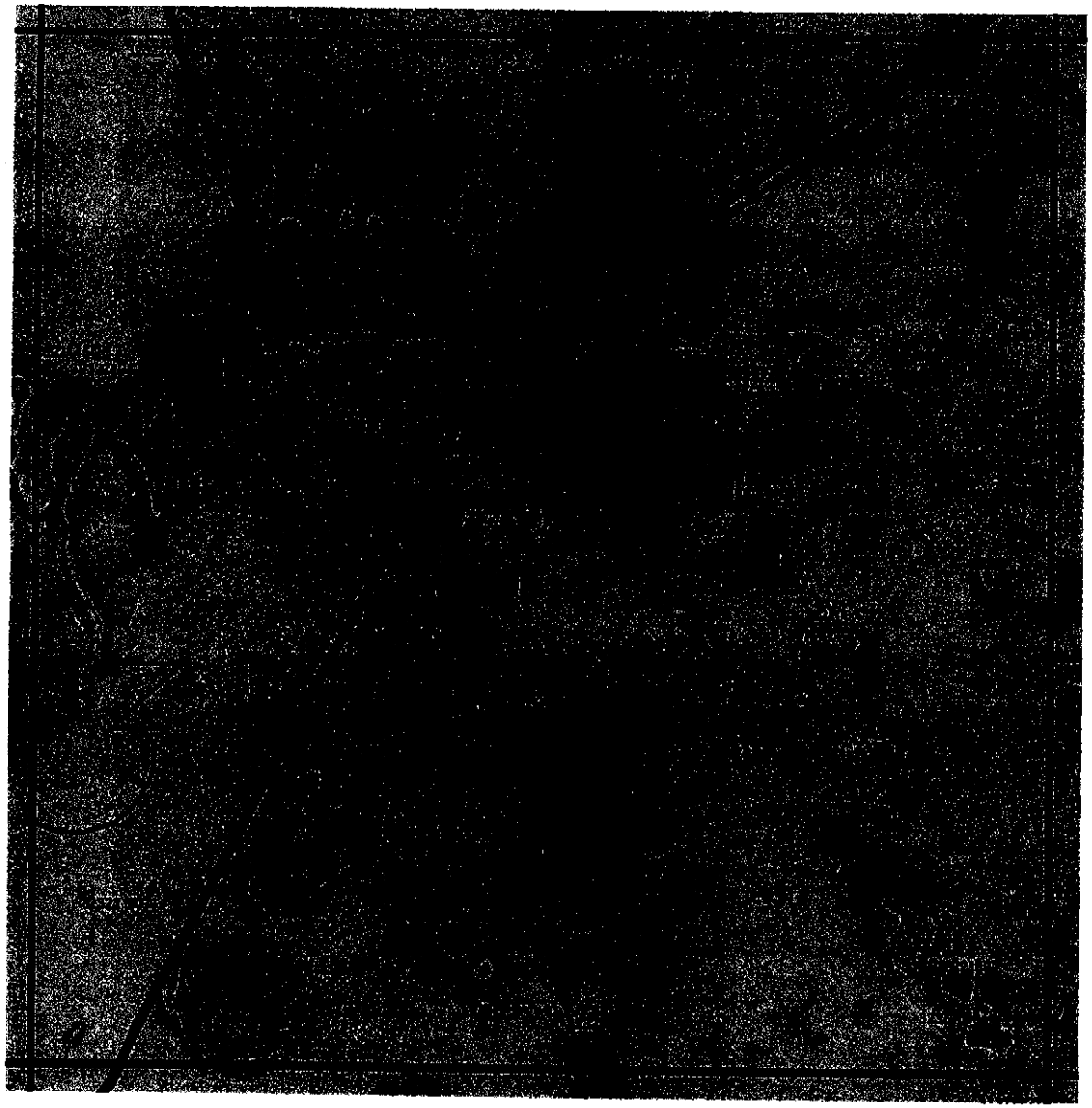
mV

- QC Target
- Revisit Target
- QC Target Area
- Former Dig
- Uninterpretable Anomaly

(Symbol Width is Approximately 3ft)

System	Noise Threshold	Estimated Calibration Target Response
MTADS 1	10 mV	20 mV
MTADS 2	5 mV	10 mV
MTADS 2*	4 mV	10 mV
MTADS 3	12 mV	25 mV
MKII S	2 mV	10 mV

* After Major Repairs



Phase 2 Contour Map for N32E32

Estimated Calibration Target Response

Noise Threshold

Zero

mV

- QC Target
- Revisit Target
- QC Target Area
- Former Dig
- Uninterpretable Anomaly

(Symbol Width is Approximately 3ft)

System	Noise Threshold	Estimated Calibration Target Response
MTADS 1	10 mV	20 mV
MTADS 2	5 mV	10 mV
MTADS 2*	4 mV	10 mV
MTADS 3	12 mV	25 mV
MKII S	2 mV	10 mV

* After Major Repairs

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UXO QUALITY CONTROL INSPECTION AND AUDIT LOG

DATE: 09/05/2003	TIME: 1730	LOG #: 404
Project #: 7001	LOCATION: Tourtelot, Ca.	
WEATHER CONDITION: Sunny and hot.		

I. AREAS INSPECTED: (Listed by grid number, coordinates or description) Sector 8/9 border, Grid 36-30, Poly 9100.

II. INSPECTION RESULTS: OE QC Pass. Conducted real-time OE QC audit in grid 36-30. Team 4 performed the backhoe/clearance operation in the area specified in section 1. The OE QC section conducted its audit simultaneously with team 4. The poly was used as a scrap storage area. The team cleared the area using a backhoe and cleared it with the White's Induction Pro locator. The OE QC audit was conducted with a White's Induction Pro locator, no OE or OE like items were found. Contour map is attached.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

Quality Control Manager

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Project Manager 9/09/03

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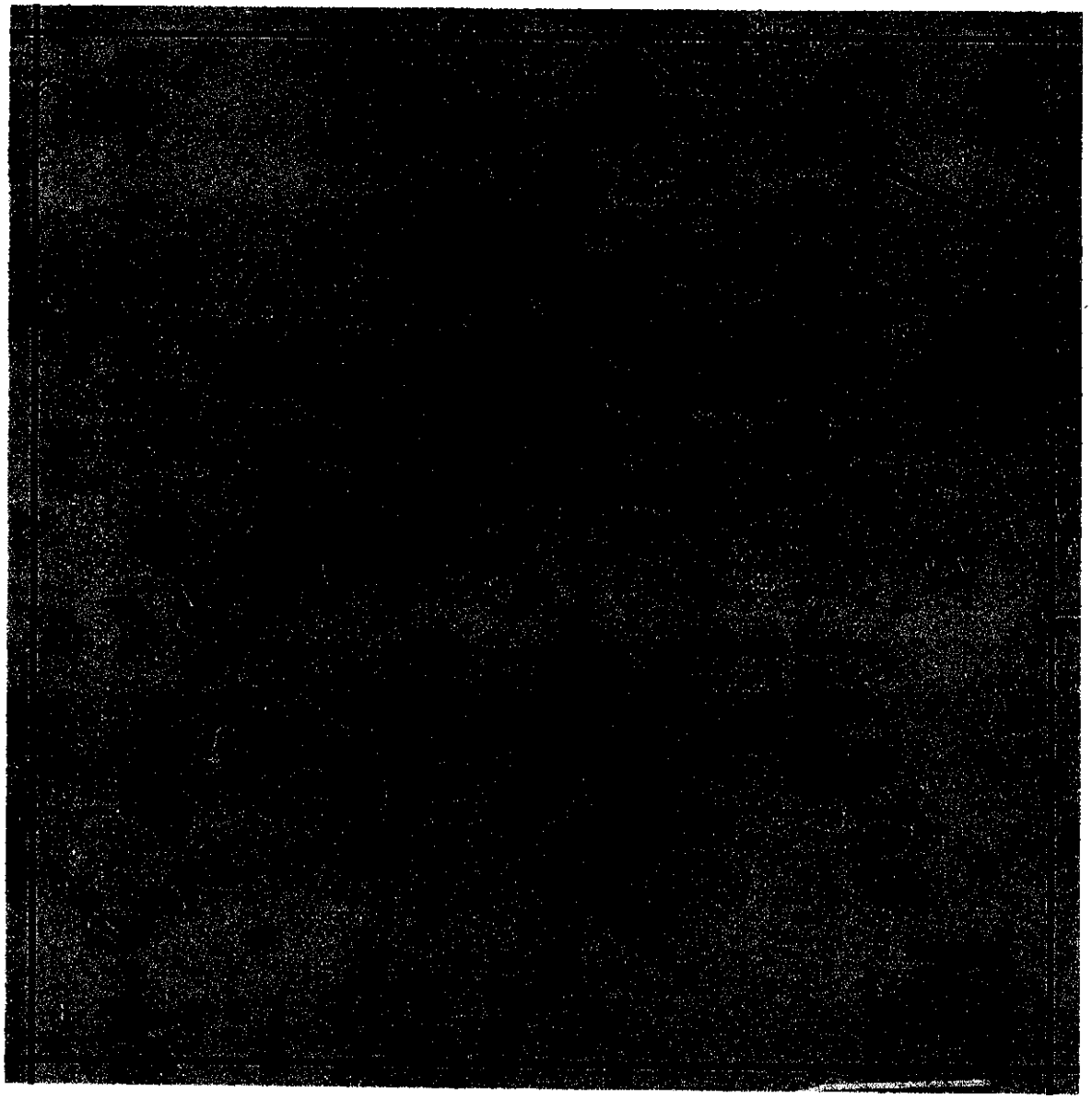
Back Hoe ?



Phase 2 Contour Map for N36E30

Estimated Calibration Target Response

Noise Threshold

Zero mV

- QC Target
- Revisit Target
- QC Target Area
- Former Dig
- Uninterpretable Anomaly

(Symbol Width is Approximately 3ft)

System	Noise Threshold	Estimated Calibration Target Response
MTADS 1	10 mV	20 mV
MTADS 2	5 mV	10 mV
MTADS 2*	4 mV	10 mV
MTADS 3	12 mV	25 mV
MKII S	2 mV	10 mV

* After Major Repairs

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UXO QUALITY CONTROL INSPECTION AND AUDIT LOG

DATE: 9/08/2003	TIME: 1530	LOG #: 405
Project #: 7001	LOCATION: Tourtelot, Ca.	
WEATHER CONDITION: Sunny		

I. AREAS INSPECTED: (Listed by grid number, coordinates or description) 27-22, 31-38, 31-39, 32-38, 32-39, 33-39, 21-42, 21-43, 21-44, 21-45, 20-42, 20-43, 20-44, 20-45, 20-46, 21-46, 22-46, 19-42, 19-43, 19-44, 19-45, 19-46, 18-42, 18-43, 18-44, 18-45, 18-46.

II. INSPECTION RESULTS: OE QC pass. Conducted a OE QC 10% audit of anomalies in the grids listed in section 1. No OE or OE like items were found, some small pieces of rust and wire were found in dig spoils. Grids 31-38, 31-39, 32-38, 32-39, 33-39 were audited after real time operations conducted by dig team 1 on 9/02/03. The investigation was performed with a White's Induction Pro locator.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

Quality Control Manager

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Project Manager 9/09/03

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UXO QUALITY CONTROL INSPECTION AND AUDIT LOG

DATE: 09/05/2003	TIME: 1730	LOG #: 410
Project #: 7001	LOCATION: Tourtelot, Ca.	
WEATHER CONDITION: Cloudy		

I. AREAS INSPECTED: (Listed by grid number, coordinates or description) Sector 9 Grid 33-37.

II. INSPECTION RESULTS: OE QC Pass. Conducted an OE QC audit in grid 33-37. QC personnel performed the backhoe/clearance operation in the area specified in section 1. OE QC conducted its audit with an excavator/operator and SUXOS. The poly was reacquired by Reac with a Trimble Rover unit and Fisher M Scope locator, the investigation was conducted with a White's Induction Pro locator, no OE or OE like items were found. Some chain link fence wire was found but most hits disappeared after excavation. Excavation results were entered into the database and a contour map is attached.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

Quality Control Manager

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Project Manager 9/10/03

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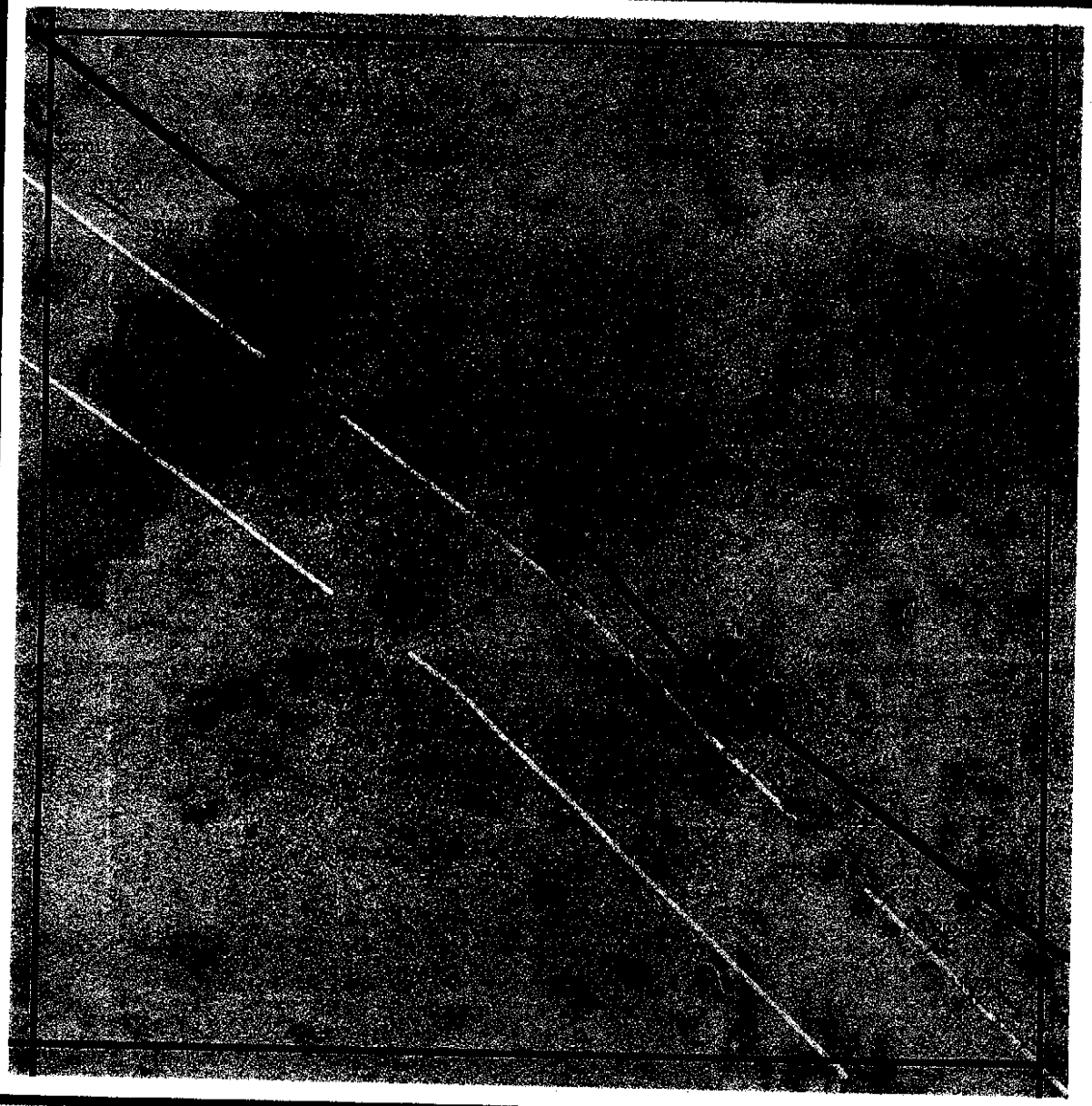

Phase 2 Contour Map for N33E37

Estimated Calibration Target Response

Noise Threshold

Zero

mV

- QC Target
- Revisit Target
- QC Target Area
- Former Dig
- Uninterpretable Anomaly

(Symbol Width is Approximately 3ft)

System	Noise Threshold	Estimated Calibration Target Response
MTADS 1	10 mV	20 mV
MTADS 2	5 mV	10 mV
MTADS 2*	4 mV	10 mV
MTADS 3	12 mV	25 mV
MKII S	2 mV	10 mV

* After Major Repairs

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UXO QUALITY CONTROL INSPECTION AND AUDIT LOG

DATE: 9/10/03	TIME: 1700	LOG #: 413
Project #: 7001	LOCATION: Tourtelot, Ca.	
WEATHER CONDITION: Sunny and warm.		

I. AREAS INSPECTED: (Listed by grid number, coordinates or description) EM-61 polygons in grids 27-42, 26-38, 30-31, 32-32, 31-32.

II. INSPECTION RESULTS: OE QC pass. Conducted a QC investigation into anomalies located by the EM-61 by Geo QC. The investigation of the anomalies was conducted by OE QC personnel using a White's Induction Pro locator and results were recorded into an I-Pac for downloading into the database.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Quality Control Manager

9/11/03

Project Manager

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UXO QUALITY CONTROL INSPECTION AND AUDIT LOG

DATE: 9/10/2003	TIME: 1530	LOG #: 415
Project #: 7001	LOCATION: Tourtelot, Ca.	
WEATHER CONDITION: Sunny		

I. AREAS INSPECTED: (Listed by grid number, coordinates or description) 34-15, 34-16, 34-17.

II. INSPECTION RESULTS: OE QC pass. Conducted a OE QC 10% audit of anomalies in the grids listed in section 1. No OE or OE like items were found, some small pieces of rust and scrap were found in dig spoils. The investigation was performed with a White's Induction Pro locator.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Quality Control Manager

Project Manager 9/11/03

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UXO QUALITY CONTROL INSPECTION AND AUDIT LOG

DATE: 9/11/2003	TIME: 1730	LOG #: 421
Project #: 7001	LOCATION: Tourtelot, Ca.	
WEATHER CONDITION: Sunny		

I. AREAS INSPECTED: (Listed by grid number, coordinates or description) 29-33, 31-33, 29-31 28-32, 28-31, 29-30, 26-20.

II. INSPECTION RESULTS: OE QC pass. Conducted an OE QC 10% audit of anomalies in the grids listed in section 1. The investigation was performed with a White's Induction Pro locator, no OE or OE like items were found. Grids 29-33, 31-33, 29-31 were audited 9/09/03, the rest on 9/11/03.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

Quality Control Specialist

Quality Control Manager

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Project Manager 9/11/03

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UXO QUALITY CONTROL INSPECTION AND AUDIT LOG

DATE: 9/16/2003	TIME: 1730	LOG #: 429
Project #: 7001	LOCATION: Tourtelot, Ca.	
WEATHER CONDITION: Sunny		

I. AREAS INSPECTED: (Listed by grid number, coordinates or description)

33-17, 32-17, 26-21, 25-38, ~~25-38~~.

II. INSPECTION RESULTS: OE QC pass. Conducted an OE QC 10% audit in the grids listed in section 1. The investigation was performed with a White's Induction Pro locator, no OE or OE like items were found.

III. CORRECTIVE ACTIONS RECOMMENDED (If required):

IV. REINSPECTION RESULTS (If required):

V. SIGNATURES:

I acknowledge that I have been briefed on the results of this inspection and will take corrective actions (if necessary).

Quality Control Specialist

Quality Control Manager

Project Manager 9/17/03

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