

*A/In 2*

PIONEER INDUSTRIES, INC.  
4112 Blueridge N.E.  
Albuquerque, NM 87111  
(505) 294-4866

March 25, 1993

QUALITY CONTROL PROGRAM

Cannon Air Force Base, New Mexico

1. ORGANIZATION

A. John R. Dicky (Resume attached as Exhibit "A") is appointed the Quality Control Manager for this project.

B. John R. Dicky has full authority and responsibility to assure that all materials and practices performed on this project are in complete compliance with the Contract Documents.

C. The lines of authority of the reporting process is shown on the attached Organizational Chart (Exhibit "B").

2. PERSONNEL

*Al Maldonado*  
A. ~~John R. Dicky~~, as the Quality Control Manager, has the authority to reject any and all segments of work that he finds to be not in compliance with the Contract Documents.

B. Kerry Worthen is the Construction Superintendent on this project for Pioneer Industries, Inc. As Superintendent, Mr. Worthen will work with the Quality Control Manager, Mr. Dicky, and will, as required, assist Mr. Dicky to assure the satisfactory performance of all trades during construction on this project. Mr. Worthen also has the authority to reject any segment of work, should it be known to him to be out of compliance with the Contract Documents.

C. Jim D. Ward, President of Pioneer Industries, Inc., will maintain overall responsibility for the project. Mr. Dicky will report any discrepancies and corrective measures directly to Mr. Ward as they become known. Mr. Ward will assist the Quality Control Manager, as required, to assure that all material and work is in compliance with the Contract Documents.

3. SUBMITTALS

A. All submittals shall be coordinated by Jim Ward. This includes subcontractors', suppliers', etc. and Prime Contractor's submittals. These submittals shall be submitted in accordance with the contract requirements.

B. Submittals shall be checked and stamped by Jim Ward before forwarding to the U.S. Army Corps of Engineers (Exhibit "C").

C. Submittals shall be transmitted to the U.S. Army Corps of

**QUALITY CONTROL PROGRAM**

Canon AFB, NM  
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Engineers at the following address:

U.S. Army Corps of Engineers  
Cannon AFB Resident Office  
114 North Perimeter Rd.  
Cannon AFB, NM 88103-5140

Transmittal Form (ENG 4025) will be used in strict compliance with the instruction on the reverse side of the form. A separate copy of ENG 4025 shall be filled out for each copy of the submittal transmitted.

D. Any re-submittal required shall be promptly compiled and transmitted to the U.S. Army Corps of Engineers in the same manner and style as the original.

#### 4. QUALITY CONTROL

A. Pioneer Industries, Inc. will implement a systematic approach to Quality Control to assure that the construction operations performed on the project follow the requirements of the contract plans and specification. Pioneer Industries, Inc. will exercise control of the quality of all project components by implementation of a three-phase Quality Control System for all definitive features of work. The three phase CQC is described later in this Plan.

B. The Contractor Quality Control organization consists of the Project Quality Control Manager, John L. Dicky, who will report on a daily basis to Jim D. Ward, President of Pioneer Industries, Inc. Mr. Dicky will perform his duties at the project site and coordinate implementation and enforcement of the CQC Plan with the Superintendent and subcontractors. Mr. Dicky understands his obligation to the Government to certify Contractor compliance with contract requirements regarding quality standards of all project components.

C. Mr. Ward will utilize the Submittal Register to coordinate the submittals required for the project. All subcontractors and suppliers shall be informed with regularly updated requirement information regarding submittals, submittal requirements, delivery dates, installation procedures and other pertinent quality control considerations. Full compliance with procedures of this plan and the contract is expected of all subcontractors and suppliers.

D. Control testing procedures for each definable work feature will be in accordance with contract requirements as delineated in each specification section. These tests are listed in the Test Register (Exhibit "D"). All tests are to be performed by personnel and/or laboratories as approved by the CO or the COR.

E. The reporting procedures include those outlined below in the three-phase CQC inspection procedure, as well as the following:

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i. PREPARATORY INSPECTION CHECKLIST - each definable work feature shall have the item discussed and reviewed and noted in accord with the checklist attached to this plan, which will again verify that the work activity and material to be incorporated into the project are in compliance with contract requirements prior to start of work activities to install the components (Exhibit "E"). Definable features of work are attached as Exhibit "G";

ii. INITIAL INSPECTION CHECKLIST - This checklist for the inspection at the time of initial installation assures that the products and procedures to be implemented for the installation of a definable work feature are in compliance with contract requirements and are actually understood by the personnel doing the work. Importantly, specific safety considerations needed to be understood are discussed with the installing personnel at this time and such discussion noted;

iii. Daily CQC Reporting of activities will be on the Contractor's Daily CQC Report Form (Exhibit "F"). This form will document daily activities and tests as performed by required and approved personnel. Deficiencies will be noted and corrections to deficiencies will be noted. Any other activities noted on the above-mentioned checklists will be attached to the corresponding Daily CQC Report Form; and,

iv. A DEFICIENCY LOG will be maintained to note the nature, observance dates, proposed remedial actions and remediation implementation procedures and dates for each noted deficiency. The log will be maintained as the project progresses (Exhibit "H"). The log shall be submitted for review with each monthly progress payment request.

F. The CQC THREE-PHASE INSPECTION SYSTEM is to be implemented as described below:

i. PREPARATORY INSPECTION - This will be performed prior to beginning any work on any definable feature of work. It shall include a review of contract requirements; a check to assure that all materials and/or provisions have been tested, submitted and approved; a check to assure that provisions have been made to provide required control testing; examination of the work area to ascertain that all preliminary work has been completed; and a physical examination of materials, equipment and sample work to assure that they conform to approved show drawings or submittal data and that all materials and/or equipment are on hand. The Contracting Officer's Representative shall be notified at least 48 hours in advance of the preparatory inspection and such inspection shall be made a matter of record in the Contractor's Quality Control documentation. Subsequent to the preparatory inspection and prior to commencement of work, each worker will be instructed as to the acceptable level of workmanship required by this Quality Control Program in order to meet the contract specifications.

ii. INITIAL INSPECTION - This will be performed as soon as

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a representative portion of the particular feature of work has been accomplished. This inspection shall include examination of the quality of workmanship and a review of control testing for compliance with the contract requirements, use of defective or damaged materials, omissions, dimensional requirements. The Contracting Officer's Representative will be notified at least 24 hours in advance of the initial inspection and such inspection will be made a matter of record in the Quality Control documentation.

iii. FOLLOW-UP INSPECTIONS - These shall be performed daily to assure continuing compliance with the contract requirements. Included in these inspections shall be control testing, until completion of the particular feature of work. Such inspections shall be made a matter of record in the Quality Control documentation. Final follow-up inspections shall be conducted and test deficiencies corrected before the addition of new features of work.

**5. TESTING PROCEDURE**

A. Pioneer Industries, Inc. has procured the services of Western Technologies, Inc. to perform tests specified or required to verify that control measures are adequate to provide a product which conforms to contract requirements.

B. The tests that are to be performed by Western Technologies, Inc. are listed in the Test Register (Exhibit "D").

C. At the completion of all work, or any increment thereof, established by a completion time stated in the paragraph entitled "Commencement, Prosecution, and Completion of Work" or stated elsewhere in the specifications, the Quality Control Manager will conduct a completion inspection of the work and develop a "punch list" of items which do not conform to the approved plans and specifications. This list will be included in the documentation, as required by paragraph D below, and will include the estimated date by which the deficiencies will be corrected. A second completion inspection will be made to ascertain that all deficiencies have been corrected. The Contracting Officer's Representative will be notified of the corrected deficiencies.

D. Current records of quality control operations, activities, and tests performed, including the work of suppliers and subcontractors, will be maintained and will be on an acceptable form and indicate a description of trades working on the project, the number of personnel working, the weather conditions encountered, any delays encountered, and the acknowledgment of deficiencies noted along with the corrective actions taken on current and previous deficiencies. In addition, these records will include factual evidence that required activities or tests have been performed, including but not limited to, the following:

i. type and number of control activities and tests involved;

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- ii. results of control activities or tests;
- iii. nature of defects, causes for rejection, etc.;
- iv. proposed remedial action; and,
- v. corrective actions taken.

E. These records will cover both conforming and defective or deficient features and will include a statement that supplies and materials incorporated in the work comply with the contract.

## JOHN R. DICKEY

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### Project Engineer

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### Professional Qualifications

Mr. Dickey has eight years of experience performing geotechnical and environmental engineering projects. At Western Technologies Inc. he is responsible for project management, on-site health and safety coordination, soil and groundwater evaluations and remedial action system design. He has additional experience in hazardous waste investigations and soil, groundwater, and rock sampling.

### Background

**Staff/Project Engineer, Western Technologies Inc., Albuquerque, New Mexico, (1987 to Present).** Currently responsible for conducting soil and groundwater assessments of releases from underground storage tanks. Responsibilities include preparation of technical proposals and budgets, coordination and scheduling of site work, implementation of field work, interpretation of field and laboratory analytical data, report preparation, regulatory agency liaison, and design and implementation of remedial action systems. In addition, he conducts Phase I and II environmental property evaluations including asbestos assessment. Also responsible for coordination of on-site and office health and safety. Previous responsibilities have included preparation of asbestos inspection reports, asbestos management plans and geotechnical engineering reports.

**Staff Engineer, Fox and Associates of New Mexico, Albuquerque, New Mexico (1984 to 1987).** Responsible for preparing geotechnical engineering reports for dams, bridges, roadways, detention basins, subdivisions, single/multiple family buildings, shopping centers and wastewater treatment facilities. Additionally was responsible for preparing pre-acquisition environmental property evaluations. Conducted soil, rock and groundwater sampling, geophysical surveys, and developed laboratory testing programs. Performed test hole logging and engineering analysis. Also conducted soil and groundwater contamination investigations.

### Experience

Technical expertise is demonstrated by his involvement on the following representative projects.

- Field engineer, subsurface soil sample collection and laboratory analysis, Rio Grande Levees, Bernalillo to Belen, New Mexico, for the U.S. Army Corps of Engineers.
- Staff engineer, foundation design and stability analysis for Don Felipe Flood Control Dam, Albuquerque, New Mexico, for an architect/engineering firm.
- Staff engineer, bridge foundation and pavement design for South Berrando Creek Bridge/Roswell Relief Route, Roswell, New Mexico, for an architect/engineering firm.
- Staff engineer, foundation design for additions to Gallup Waste Water Treatment Plant, Gallup, New Mexico, for an architect/engineering firm.
- Field engineer, MCI Microwave Towers, subsurface soil and rock sample collection and laboratory analysis for seven locations between Pueblo, Colorado and Albuquerque, New Mexico, for an architect/engineering firm.

"A"

**John R. Dickey - Page 2**

- **Field/staff engineer, groundwater contamination assessment in area where private water supply wells were contaminated with gasoline from a leaking underground storage tank, Santa Fe, New Mexico, for the State of New Mexico.**
- **Staff engineer, stability analysis, channel foundation design, bridge foundation design, Alamogordo Diversion Channel and associated bridges, Alamogordo, New Mexico, for the U.S. Army Corps of Engineers.**
- **Environmental specialist, AHERA asbestos inspections, Mesa School District, Mesa, Arizona.**
- **Project engineer, AHERA asbestos inspections and management plans, three independent/private schools in Albuquerque and Santa Fe, New Mexico.**
- **Project engineer, underground storage tank soil contamination evaluations, three fuel sites for a major asphalt/concrete/aggregate producer, Albuquerque, New Mexico.**
- **Environmental specialist, multi-site PCB contamination assessments at compressor stations for a large Texas-based natural gas company, Texas, Oklahoma, New Mexico, and Arizona.**
- **Project engineer, soil and groundwater contamination evaluations and remedial action design at multiple underground storage tank sites for a large independent petroleum distributor, Albuquerque, New Mexico.**
- **Project engineer, soil and groundwater contamination evaluations and remedial action design at an underground storage tank site for the Navajo Nation, Air Transportation.**
- **Project engineer/field services manager/environmental specialist, developed the safety, health, emergency response (SHERP), contractor's chemical quality control (CCQCP), and verification sampling plans for a hazardous waste sewage sludge removal project at Holloman AFB, New Mexico. Served as the site safety officer and conducted verification sampling subsequent to sludge removal. Prepared a final health and safety report and a chemical quality control summary report for Bradley Construction and U.S. Army Corps of Engineers. Project had an eight month duration.**
- **Project engineer/field services manager/environmental specialist, developed the safety, health, emergency response (SHERP), contractor's chemical quality control (CCQCP), and verification sampling plans for an underground storage tank removal project at Holloman AFB, New Mexico. Served as the site safety officer and conducted verification sampling subsequent to the tank removal. Prepared a final health and safety report and a chemical quality control summary report for Bradley Construction and U.S. Army Corps of Engineers. Project had a one month duration.**
- **Project engineer, participated in the design of a soil and groundwater remediation system at the site of a gasoline and kerosene release for a large lumber company, Albuquerque, New Mexico.**
- **Project engineer/environmental specialist, environmental property evaluations of a fleet service facility, large regional bank, Albuquerque, New Mexico.**
- **Project engineer/environmental specialist, environmental property evaluations of seven warehouses for a large regional beverage distributor, Albuquerque, Santa Fe, and Farmington, New Mexico**

**John R. Dickey - Page 3**

- **Project engineer/environmental specialist, environmental property evaluation and asbestos evaluation of a large medical complex for a large Texas Bank, Albuquerque, New Mexico.**
- **Project Engineer, responsible for soil contamination evaluation and remediation system design for a large subsurface release of aviation fuel at a private airport in Albuquerque, New Mexico.**

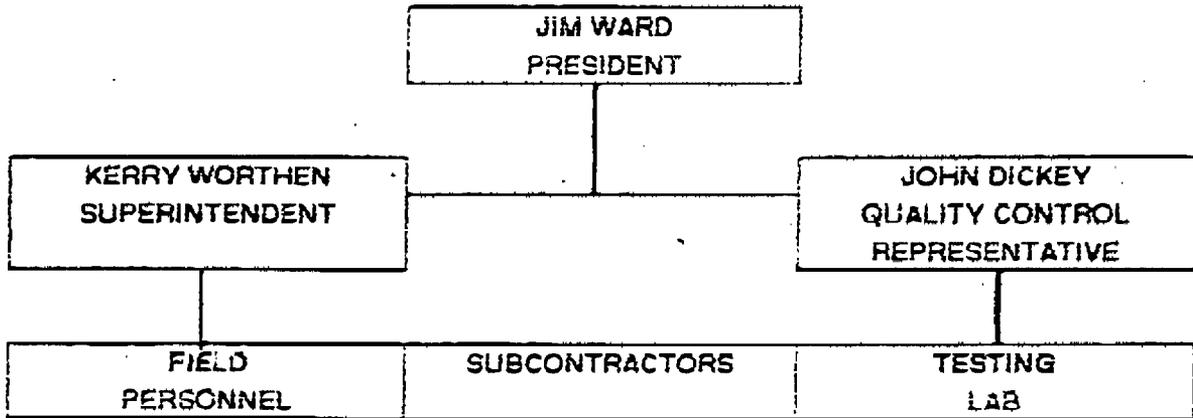
**Education**

**B.S., Geological Engineering, New Mexico Institute of Mining and Technology, 1983**  
**Coursework in Environmental Engineering, University of New Mexico, 1989**  
**Coursework in Geotechnical Engineering, University of New Mexico, 1987**

**Registration/Certification**

**Engineering Intern, New Mexico, #3286**  
**Asbestos Building Inspector Training, AHERA, 1988, #1425**  
**Asbestos Management Planner Training, AHERA, 1990, #1425**

PIONEER INDUSTRIES INC  
QUALITY CONTROL ORGANIZATION  
LANDFILL #5 CELL #3 SOIL CAP  
DACA 47-93-C-0004  
CANNON AFB, NM



"B"

DATE \_\_\_\_\_

SUBMITTAL NO. \_\_\_\_\_

Pioneer Industries Inc.  
4112 Blueridge NE  
Albuquerque, NM 87111

DESCRIPTION OF ITEMS REVIEWED: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CORPS OF ENGINEERS' STAMP

U.S. ARMY ENGINEER DISTRICT. ALBUQUERQUE CORPS OF ENGINEERS CERTIFIED FOR APPROVAL AS INDICATED BELOW	
A -	APPROVED AS SUBMITTED
B -	APPROVED, EXCEPT AS NOTED ON DRAWINGS AND/OR ATTACHED SHEET(S). RESUBMISSION NOT REQUIRED
C -	APPROVED EXCEPT AS NOTED ON DRAWINGS. REFER TO ATTACHED SHEET. RESUBMISSION REQUIRED.
D -	WILL BE RETURNED BY SEPARATE CORRESPONDENCE
E -	DISAPPROVED. SEE COMMENTS ON ATTACHED SHEET.
F -	RECEIPT ACKNOWLEDGED.
G -	OTHER (SPECIFY)
NOTE: ITEMS APPROVED AS TO GENERAL LAYOUT ONLY. DIMENSIONS & QUANTITIES NOT CHECKED. APPROVAL DOES NOT RELIEVE CONTRACTOR OF RESPONSIBILITIES FOR ANY ERRORS WHICH MAY EXIST AS CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONS AND DESIGN OF ADEQUATE CORRECTIONS, DETAILS AND SATISFACTORY CONSTRUCTION OF WORK.	
SIGNATURE _____	DATE _____

REVIEWER'S SIGNATURE \_\_\_\_\_

"C"

PIONEER INDUSTRIES INC  
 TEST REGISTER  
 LANDFILL #5 CELL #3 SOIL CAP  
 DACA 47-93-C-0004  
 CANNON AFB, NM

SECTION	ASTM TEST	# OF TEST	PROJECT SCH #
02210-1.3	D1557	1	3
	D2487	1	3
	D4253-83	0	3
02210-3.2	D1557	1	6
	D4253-83	0	6
02210-3.5	D75	0	6
	C136	13	6
	D422-63	0	6
	D1556	27	6
	D1557	1	6
	D2216	27	6
	D2487	13	6
	D4318-87	13	6
D4643	0	6	
02224-1.3	D2487	1	4
	D4253-83	1	4
02224-3.5	D75	1	4
	C136	5	4
	D422-63	0	4
	D1556	9	4
	D2216	9	4
	D2487	6	4
	D4318-87	6	4
	D4643	6	4

"D"

CONTRACT NO.: DACA DATE: \_\_\_\_\_

TITLE: \_\_\_\_\_ SPECS. SECTION: \_\_\_\_\_

APPLICABLE CONTRACT DRAWINGS: \_\_\_\_\_

DEFINABLE FEATURE OF WORK: \_\_\_\_\_

Prior to scheduling or conducting this Preparatory Inspection, the Contractor Quality Control (CQC) Inspector shall review and comply with the Contractor Quality Control requirements outlined on the reverse side of this form.

A. PERSONNEL PRESENT:

	<u>NAME</u>	<u>POSITION</u>	<u>COMPANY</u>
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____
6.	_____	_____	_____
7.	_____	_____	_____
8.	_____	_____	_____

(List other attendees on a separate sheet)

B. APPLICABLE TRANSMITTALS:

B-I. List transmittals for shop drawings, equipment, materials samples, or manufacturers' certificates.

	<u>TRANSMITTAL &amp; ITEM NUMBERS</u>	<u>CODE</u>	<u>CATEGORY</u>
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____
6.	_____	_____	_____

(Continued on separate sheet)

CONTRACTOR QUALITY CONTROL (CQC) PREPARATORY INSPECTION REQUIREMENTS

Prior to conducting this Preparatory Inspection -

1. CQC Organization shall have submitted all pertinent data to the Government Contractor's Authorized Representative, shall have certified all Category II Transmittals/Shop Drawing Data as required by the contract requirements,

2. CQC Inspector shall have possession of copies of the pertinent Government approved Category I Transmittals/Shop Drawing Data (Action Codes A, B, or C). CQC staff will not be restrained from proceeding forward with unapproved transmittals. However, the Contractor shall continue at his/her own risk.

3. CQC Inspector shall arrange access or obtain copies, and retain on the site all applicable technical publications which are referenced and referred to in the contract specifications. CQC Inspectors shall review these technical publications and become thoroughly familiar with the technical requirements listed therein.

4. CQC Inspector shall conduct a material inventory of the materials to be used on this segment of work to assure they conform to the contract requirements and approved submittals. Date of inspection, as well as the items inventoried, shall be documented on to daily Quality Control Report. A list of materials which are not on-site, but which are required for this segment of work, shall also be listed. The CQC Inspector shall initiate action to have missing materials delivered to the site and inspected prior to the start of work on this segment of work.

5. CQC Inspector shall ensure that copies of insurance certificates and a Statement of Acknowledgement, as required by the contract, are filed on-site and available at all times throughout the life of the contract.

6. If the above items or other items listed herein have not been accomplished the Preparatory Inspection shall not be scheduled nor conducted. During the Preparatory Inspection, should it become evident that the CQC Inspector is not prepared to competently conduct this inspection, the QA Representative shall identify the items which are considered to be deficient and another Preparatory Inspection shall be arranged.

**B-II. Verification of Material/Equipment.**

CQC Inspector shall list the material and/or equipment requirements outlined in the contract specifications and technical references to assure the transmittals are correct and appropriate. Manufacturer's identification numbers shown below shall correlate to the transmittal item numbers under Section B-I.

<u>MANUFACTURER'S ITEM NO.</u>	<u>SPECIFICATION SECTION/ REFERENCE PAGE &amp; PARA NO.</u>	<u>MANUFACTURER'S MATERIAL REFERENCE</u>
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____

(Continued on separate sheet)

**B-III. Material Conformance Compliance Check.**

1. Applicable contractor certified transmittals are \_\_\_\_\_ Correct \_\_\_\_\_ Incorrect

(IF INCORRECT, THIS PREPARATORY SHALL BE POSTPONED UNTIL ALL PERTINENT TRANSMITTALS ARE CORRECT.)

2. Deviations and Category I transmittals are \_\_\_\_\_ Approved \_\_\_\_\_ Disapproved

**B-IV. References and Requirements noted in B-II above:**

1. Were reviewed in detail (IF NO, THIS PREPARATORY SHALL BE POSTPONED UNTIL REFERENCES ARE OBTAINED AND REVIEWED) \_\_\_\_\_ YES \_\_\_\_\_ NO
2. Are attached to these Preparatory Inspection Forms. \_\_\_\_\_ YES \_\_\_\_\_ NO
3. Are not attached, but are readily available on-site. \_\_\_\_\_ YES \_\_\_\_\_ NO

- B-V. All items involved in this segment of work have been submitted and approved.** \_\_\_\_\_ YES \_\_\_\_\_ NO

**IF NO, ANOTHER PREPARATORY SHALL BE CONDUCTED AFTER APPROVAL HAS BEEN OBTAINED.**

**C. STORED MATERIAL:**

- C-I. All materials/equipment are stored on-site.** \_\_\_\_\_ YES \_\_\_\_\_ NO

- C-II. All materials/equipment on-site are in accordance with contract specification, plans, and approved submittals. Contract deviations not specifically approved in the submittals SHALL NOT BE PERMITTED.** \_\_\_\_\_ YES \_\_\_\_\_ NO

C-III. A materials/equipment inventory was conducted by the CQC Inspector on \_\_\_\_\_ and documented in CQC Report No. \_\_\_\_\_ dated \_\_\_\_\_  
(Day/Mo/Year)

- 1. Material and/or equipment was properly stored. \_\_\_\_\_ YES \_\_\_\_\_ NO  
If No, explain action taken to provide proper storage.

C-IV. Material and/or equipment items not on hand at the time of this Preparatory Inspection.

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

Items not on hand at the time of the Preparatory Inspection shall be inspected and certified by the CQC Inspector upon their arrival. Each item shall conform to contract requirements and possess an approved submittal prior to start of this segment of work. Date of inspection and the specific item inspected shall be documented on the daily Quality Control report.

D. INSTALLATION PROCEDURES:

D-I. Contractor will explain step by step the installation procedures and identify proposed equipment to be used for this segment of work. Procedures shall conform to contract plans, specifications, and/or technical references.

- Step 1. \_\_\_\_\_
- Step 2. \_\_\_\_\_
- Step 3. \_\_\_\_\_
- Step 4. \_\_\_\_\_
- Step 5. \_\_\_\_\_
- Step 6. \_\_\_\_\_

(Continued on Separate Sheet)

D-II. Contractor Quality Control Inspector shall list installation requirements outlined in the contract plans, specifications, and technical references. Indicate type of work that will be inspected by the CQC inspector. Item numbers shown below shall correlate to the transmittal item numbers under Section B-I. Step numbers shown below shall correlate to the step numbers under Section D-I.

*Where's BI ?*

<u>ITEM NO.</u>	<u>DRAWING NUMBER/ SPECIFICATION SECTION REFERENCE PAGE &amp; PARA. NO.</u>	<u>INSPECTION ACTIVITY</u>	<u>STEP NO.</u>
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____

(Continued on Separate Sheet)

D-III. Reference noted in D-II above:

1. Were reviewed in detail (IF NO, THIS PREPARATORY SHALL BE CANCELLED UNTIL REFERENCES ARE OBTAINED AND REVIEWED. \_\_\_ YES \_\_\_ NO
2. Are attached to these Preparatory Inspection Forms. \_\_\_ YES \_\_\_ NO
3. Are not attached, but are readily available on-site. \_\_\_ YES \_\_\_ NO

E. TESTING PROCEDURES:

E-I. Contractor Quality Control Inspector shall list testing requirements outlined in the contract specifications and technical references. Indicate specific point in time that tests shall be conducted for control of quality. Item numbers shown below shall correlate to the transmittal item numbers under Section B-I. Step numbers shown below shall correlate to the step numbers under Section D-II.

<u>ITEM NO.</u>	<u>SPECIFICATION SECTION/ REFERENCE PAGE &amp; PARA. NO.</u>	<u>DESCRIPTION OF TEST REQUIRED</u>	<u>STEP NO.</u>
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____

(Continued on Separate Sheet)

E-II. Testing shall be conducted by:

1. Commercial Testing Laboratory \_\_\_ YES \_\_\_ NO

Name of Company \_\_\_\_\_

2. Qualified Contractor Laboratory Technician

YES

Name \_\_\_\_\_

3. Other Qualified Source

YES

Name \_\_\_\_\_

E-III. References and Requirements noted in E-I above.

1. Were reviewed in detail (IP NO, THIS PREPARATORY SHALL BE POSTPONED UNTIL REFERENCES ARE OBTAINED AND REVIEWED).

YES

2. Are attached to these Preparatory Inspection Forms.

YES

3. Are not attached, but are readily available on-site.

YES

F. ACCIDENT PREVENTION PREPLANNING AND HAZARD CONTROL MEASURES:

F-I. CQC Inspector shall list the hazards anticipated by reviewing the step-by-step installation procedure and proposed equipment. Include all safety equipment to be used for this segment of work. Step numbers shown below shall correlate to the step numbers under Section D-II.

<u>HAZARD IDENTIFIED</u>	<u>DESCRIPTION</u>	<u>EM-385-1-1 COMPLIANCE REFERENCE</u>	<u>STEP NO.</u>
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____

(Continued on Separate Sheet)

F-II. Applicable Hazard Analysis (attach completed copies)

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

(Continued on Separate Sheet)

Attached for:

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

On file for:

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

F-IV. Hazard Communication Program. The CQC Inspector shall provide manufacturer's safety data information on the potentially hazardous materials to be used for this segment of work and list them below. A hazardous materials inventory shall be developed and attached to this Preparatory Inspection. Work shall not commence until this information is provided and on record at the site. Item numbers shown below shall correlate to the item numbers under Section B-I.

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>SAFETY PRECAUTION RECOMMENDED BY MANUFACTURER</u>
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____

(Continued on Separate Sheet)

Manufacturer's Material Safety Data Sheets and Hazardous Materials Inventory

- a. Have been reviewed by the Contractor Quality Control Inspector. \_\_\_ YES \_\_\_ NO
- b. Are attached to these Preparatory Inspection Forms. \_\_\_ YES \_\_\_ NO
- c. Are not attached, but readily available on-site. \_\_\_ YES \_\_\_ NO
- d. I, \_\_\_\_\_, as the Qualified First Aid Attendant for this contract, have reviewed the manufacturer's safety data sheets for adverse symptoms and proper treatments. Either I or a qualified representative of the subcontractor will provide hazard communication training to all workers prior to start of this segment of work.

**Additional Remarks**

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FOREMAN/SUPERVISOR  
RESPONSIBLE FOR THIS SEGMENT OF WORK

QUALITY CONTROL INSPECTOR  
PRIME CONTRACTOR

QUALITY CONTROL - WORK INVOLVED

DATE

PROJECT/CONTRACT NUMBER

SUPERINTENDENT

CONTRACTOR

WEATHER

PRECIPITATION PAST 24 HOURS (IN INCHES)

TEMPERATURE ° F

MINIMUM

MAXIMUM

WERE THERE ANY DELAYS IN WORK PROGRESS TODAY? No \_\_\_ Yes \_\_\_ If Yes, Explain:

VERBAL INSTRUCTIONS GIVEN BY THE GOVERNMENT:

HAS ANYTHING DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM? No \_\_\_ Yes \_\_\_ If Yes, Explain:

**NOTE: Official notification of claim must be made to the Contracting Officer by separate correspondence.**

**SAFETY INSPECTION/MEETINGS:** Indicate inspections made, items inspected, deficiencies noted and corrective action taken.

WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? No \_\_\_ Yes \_\_\_ If Yes, attach accident report.

**PRIME CONTRACTOR/SUBCONTRACTOR WORKFORCE**  
(If space provided below is inadequate, use additional sheets)

No.	TRADE	HOURS	EMPLOYER	No.	TRADE	HOURS	EMPLOYER

CUMULATIVE TOTAL HOURS OF WORK  
HOURS FROM PREVIOUS REPORT

TOTAL WORK HOURS ON  
JOB SITE THIS DATE

TOTAL WORK HOURS FROM  
START OF CONSTRUCTION

**MAJOR ITEMS OF EQUIPMENT**

TYPE/CAPACITY	No.	STANDBY HOURS	OPERATING HOURS

" F "



PIONEER INDUSTRIES INC  
DEFINABLE FEATURES  
LANDFILL #5 CELL #3 SOIL CAP  
DACA 47-93-C-0004  
CANNON AFB, NM

SECTION	DESCRIPTION			
02050	REMOVALS/DEMO			
02210	SUBGRADE PREP			
02224	SAND			
02245	LINER			
02210	SOIL COVER			
02224	PIPE			
02935	SEEDING			
PLANS C-4	FENCE			

" 6 "

PIONEER INDUSTRIES INC  
DEFICIENCY LOG  
LANDFILL #5 CELL #3 SOIL CAP  
DACA 47-93-C-0004  
CANNON AFB, NM

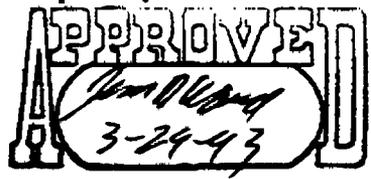
DATE	NAME	CQC REP NUMBER	DESCRIPTION	CORRECT DATE

"H"

DATE 3-29-93

SUBMITTAL NO. 3A

Pioneer Industries Inc.  
4112 Blueridge NE  
Albuquerque, NM 87111



DESCRIPTION OF ITEMS REVIEWED: QUALITY CONTROL PLAN

CORPS OF ENGINEERS' STAMP

<p align="center">U.S. ARMY ENGINEER DISTRICT. ALBUQUERQUE CORPS OF ENGINEERS CERTIFIED FOR APPROVAL AS INDICATED BELOW</p>	
A	APPROVED AS SUBMITTED
B	APPROVED, EXCEPT AS NOTED ON DRAWINGS AND/OR ATTACHED SHEET(S). RESUBMISSION NOT REQUIRED
C	APPROVED EXCEPT AS NOTED ON DRAWINGS. REFER TO ATTACHED SHEET. RESUBMISSION REQUIRED.
D	WILL BE RETURNED BY SEPARATE CORRESPONDENCE
E	DISAPPROVED. SEE COMMENTS ON ATTACHED SHEET.
F	RECEIPT ACKNOWLEDGED.
G	OTHER (SPECIFY)
<p>NOTE: ITEMS APPROVED AS TO GENERAL LAYOUT ONLY. DIMENSIONS &amp; QUANTITIES NOT CHECKED. APPROVAL DOES NOT RELIEVE CONTRACTOR OF RESPONSIBILITIES FOR ANY ERRORS WHICH MAY EXIST AS CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONS AND DESIGN OF ADEQUATE CORRECTIONS, DETAILS AND SATISFACTORY CONSTRUCTION OF WORK.</p>	
SIGNATURE	DATE

REVIEWER'S SIGNATURE \_\_\_\_\_