Check Sheet

Company Name: Quality Recycling
Permit Number: AC 37-247574
PSD Number:
Permit Engineer:

Application:

- ☐ Initial Application
  - ☐ Incompleteness Letters
  - ☐ Responses
  - ☐ Waiver of Department Action
  - ☐ Department Response
  - ☐ Other

Cross References:
- ☐
- ☐
- ☐

Withdrawn by telephone conversation!

Intent:

- ☐ Intent to Issue
- ☐ Notice of Intent to Issue
- ☐ Technical Evaluation
- ☒ BACT or LAER Determination
- ☐ Unsigned Permit

  Correspondence with:
  - ☐ EPA
  - ☐ Park Services
  - ☐ Other
- ☐ Proof of Publication
  - ☐ Petitions - (Related to extensions, hearings, etc.)
  - ☐ Waiver of Department Action
  - ☐ Other

Final Determination:

- ☐ Final Determination
- ☐ Signed Permit
- ☒ BACT or LAER Determination
  - ☐ Other

Post Permit Correspondence:

- ☐ Extensions/Amendments/Modifications
- ☐ Other

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Lawton Chiles
Governor

Virginia B. Wetherell
Secretary

October 31, 1995

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Kevin J. Merlo
Director of Operations
Quality Recycling, Inc.
1320 Ben Franklin Highway, East
Douglassville, PA 19518

Dear Mr. Merlo:

Re: DEP File No. AC 37-247574

The Department requested your plan and schedule to complete the referenced application for permit to construct a soil thermal treatment facility in Florida in a letter dated October 10, 1995. This letter acknowledges your October 26, 1995, phone call withdrawing the reference application for the proposed facility.

No air pollution unit may be constructed or operated in Florida without a valid air permit issued pursuant to Rule 62-4.100(1), Florida Administrative Code. Should you wish to operate the proposed unit in Florida in the future, you will need to submit a complete new application for permit to construct to the Department.

Thank you for your cooperation in this matter.

Sincerely,

C. H. Fancy, P.E.
Chief
Bureau of Air Regulation

CHF/wh/t

cc: Dr. John Koogler, P.E.
District Air Program Administrators
County Air Program Administrators

Florida Department of
Memorandum — Environmental Protection

TO: District Air Program Administrators
County Air Program Administrators

FROM: Willard Hanks

DATE: April 1, 1994

SUBJECT: Quality Recycling, Inc., AC37-247574
Statewide Mobile Soil Remediation Unit

Attached is an air construction permit application and incompleteness letter for the above referenced project. Please note that some of the drawings submitted with the application are labeled **"Proprietary Information."** This has been addressed in the incompleteness letter, and the applicant's response will be forwarded to you as soon as we receive it.

WH/pa

Attachments

QUALITY RECYCLING, INC.
A VALUE ORIENTED COMPANY

March 18, 1994

Mr. Preson Lewis
FL Dept. of Environmental Protection
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Dear Mr. Lewis:

Enclosed are four copies of the contruction applications and a check in the amount of $250.00 to cover the cost of the application fee. If you require additional information, please notify our office.

Sincerely,

Kevin J. Merlo
Director of Operations

Enclosure

1320 Ben Franklin Hwy., East Douglassville, PA 19518
Phone: (215) 385-7478 • FAX: (215) 385-7040

QUALITY RECYCLING, INC.

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Phone: (215) 385-7478 • FAX: (215) 385-7040

$250 pd
3-22-94
Rcpt. 234210

Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DER Form #	
Form Title	
Effective Date	
DER Application No.	

RECEIVED

MAR 22 1994

Bureau of Air Regulation

AC 37-247574

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Mobile Soil Remediation Unit [X] New[1] [ ] Existing[1]

APPLICATION TYPE: [X] Construction [ ] Operation [ ] Modification

COMPANY NAME: Quality Recycling, Inc. COUNTY: Statewide

Identify the specific emission point source(s) addressed in this application (i.e. Lime Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) HAVE*System Model SM-1

SOURCE LOCATION: Street Mobile Unit City ______

UTM: East ______ North ______

Latitude ___° ___' ___"N Longitude ___° ___' ___"W

APPLICANT NAME AND TITLE: Kevin J. Merlo, Director of Operations

APPLICANT ADDRESS: 1320 Ben Franklin Highway East, Douglassville, PA 19518

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of Quality Recycling, Inc.

I certify that the statements made in this application for a construction permit are true, correct and complete to the best of my knowledge and belief. Furth I agree to maintain and operate the pollution control source and pollution cont facilities in such a manner as to comply with the provision of Chapter 403, Flor Statutes, and all the rules and regulations of the department and revisions thereof. also understand that a permit, if granted by the department, will be non-transfera and I will promptly notify the department upon sale or legal transfer of the permit establishment.

*Attach letter of authorization

Signed: [signature]

John Pfrommer, President
Name and Title (Please Type)

Date: 3/14/94 Telephone No. (610) 385-7478

B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

This is to certify that the engineering features of this pollution control project h been ~~designed~~/examined by me and found to be in conformity with modern engineer principles applicable to the treatment and disposal of pollutants characterized in permit application. There is reasonable assurance, in my professional judgment, t

[1] See Florida Administrative Code Rule 17-2.100(57) and (104)

*Hot Air Vapor Extraction

Northwest District, 160 Governmental Center, Pensacola, Florida 32501-5794, 904-436-8300
Northeast District, 3426 Bills Rd, Jacksonville, Florida 32207, 904-798-4200
Central District, 3319 Maguire Blvd., Suite 232, Orlando, Florida 32803-3767, 407-894-7555
Southwest District, 4520 Oak Fair Blvd., Tampa, Florida 33610-7347, 813-623-5561
South District, 2269 Bay St, Fort Myers, Florida 33901-2896, 813-332-2667
Southeast District, 1900 S. Congress Ave., Suite A, West Palm Beach, Florida 33406, 407-964-9668

the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.

Signed _____

John B. Koogler, Ph.D., P.E.
Name (Please Type)

Koogler & Associates; Environmental Services
Company Name (Please Type)

4014 N.W. 13th Street, Gainesville, FL 32609
Mailing Address (Please Type)

Florida Registration No. 12925 Date: 3/8/94 Telephone No. (904) 377-5822

SECTION II: GENERAL PROJECT INFORMATION

A. **Describe the nature and extent of the project. Refer to pollution control equipment, and expected improvements in source performance as a result of installation. State whether the project will result in full compliance. Attach additional sheet if necessary.**

Construction permit application for a 700 ton/batch mobile soil remediation unit. The counties in which the plant will operate will be decided at the time of Intent to Issue. See page 2a of 12 for additional information.

B. **Schedule of project covered in this application (Construction Permit Application Only)**

Start of Construction NA **Completion of Construction** NA

C. **Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)**

Cost of HAVE System SM-1 - $330,000

D. **Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.**

None

SECTION IIA: PROCESS DESCRIPTION

Quality Recycling, Inc. plans to operate a mobile Hot Air Extraction Unit (HAVE) in the state of Florida. Quality Recycling, Inc. will determine the counties in which to publish a Public Notice at the time the Department publishes the Intent to Issue.

The HAVE system is manufactured by HAVE Systems, Inc. of Olympia, Washington. A general description of each component and a process flow diagram are attached. This patented process entails placing the contaminated soil on and covering the soil with heavy gauge plastic sheeting. The Hot Air Injection tubes and Vapor Extraction tubes are strategically placed throughout a 700 ton batch of soil and all duct entries are sealed. The trailer mounted "HOT AIR VAPOR EXTRACTION (HAVE) system is situated adjacent to the soil and connected to the Hot Air Injection tubes with flexible ducting. The hot air moves through the contaminated soil vaporizing the contaminants. The contaminants are then carried into the vapor extraction tubing and passed through a thermal oxidizer. Approximately 85 percent of the heated air is recirculated back through the contaminated soil (with 15 percent make-up air) and the remaining 15 percent is exhausted. All exhausted air passes through a Catalytic Reactor bank assuring contaminant emissions below all regulatory guidelines.

The HAVE system will process soils at a batch rate of approximately 700 tons per week. The actual processing rate will depend upon the soil conditions encountered. The thermal oxidizer is designed for a residence time of 0.3 seconds at a temperature of 1800^{o}F. The exhausted air will pass through the catalytic reactor bank.

Once operating, the safety controls and automatic monitors make the operation of the HAVE system relatively uncomplicated. The on-site instrumentation assures the system will operate within strict parameters.

SUMMARY OF THE "HAVE" PROCESS
4 TO 7 DAYS OF "HAVE" SYSTEM OPERATION PER 485 CU. YD. SOIL STACK

The "HAVE" System works very well on all types of soil contaminated with BETX, C6-C24 Petroleum Hydrocarbons (Gasoline, Diesel, Fuel Oil, Jet Fuel, etc.).

The soil stack is place on and covered with heavy gauge (10 mil+) visqueen sheeting with a perimeter berm. All duct entries are carefully sealed. No contaminated vapors escape from the soil stack once the stack is completed and the cover is sealed in place.

After the contaminated soil has been put into a "Stack" with Hot Air Injection & Vapor Extraction Tubes in place, the trailer mounted "HAVE" System is pulled along side the soil stack and connected to the duct system with flexible ducting. 220V, three phase electric power is required for the System. One/two 1,000 gallon propane tanks are required to supply propane, or may be connected to a natural gas fuel source (the burners are "field convertible" between propane and natural gas).

The "Burn Chamber" heat is supplied by two 1.075 MMBTUH propane/natural gas burners.

The air is heated in the "Burn Chamber" and enters the soil at 550°F.

The hot air injection tubes within the soil stack are configured so that the hot air must pass through the soil to reach the vapor extraction tubes. As the hot air moves through the contaminated soil, it volatilizes and absorbs the contaminants which are then carried in the air stream and passed through the "Burn Chamber" where approximately 95% of the contaminants are destroyed.

Burner flame area temperatures, through which the vapor must pass, are in the 1800°F range. Residence time of the air within the confines of the "Burn Chamber" is in excess of 0.3 seconds up to 5426 acfm. Specially designed stainless steel grills within the Burn Chamber create air flow turbulence as well as direct the air flow back into the burner flame area prior to escape from the chamber.

Only 10%-15% of the "clean" air stream is "exhausted" through the "Catalytic Reactor" bank where the remaining contaminants are destroyed prior to release into the atmosphere. The balance of the reheated air stream is sent back through the soil stack to once again pick up contaminants.

When contaminant levels are sufficiently low, the system is shut down. Adequate soil samples are taken for laboratory analysis to verify the soil pile has been cleaned to acceptable clean-up threshold levels. The soil stack is dismantled, hot air and vapor extraction tubes removed and the soil returned to the excavation (or transported from the site as required).

The entire burner, fuel train and control system is Underwriters Laboratories approved. Complete Flame Safeguard systems are in place for safety of the operation at all times. Air temperature settings are automatically controlled by sensors which control the burner output. Numerous system Safeguards automatically shut down the system is any malfunction occurs or if temperatures exceed previously established parameters. The "HAVE" System is safe and simple to operate.

E. Requested permitted equipment operating time: hrs/day 24 ; days/wk 7 ; wks/yr 52 ; if power plant, hrs/yr ____; if seasonal, describe: Maximum of 8000 hours per year.

F. If this is a new source or major modification, answer the following questions. (Yes or No)

1. Is this source in a non-attainment area for a particular pollutant? (1)

   a. If yes, has "offset" been applied? NA

   b. If yes, has "Lowest Achievable Emission Rate" been applied? NA

   c. If yes, list non-attainment pollutants. (1)

2. Does best available control technology (BACT) apply to this source? If yes, see Section VI. NO

3. Does the State "Prevention of Significant Deterioriation" (PSD) requirement apply to this source? If yes, see Sections VI and VII. NO

4. Do "Standards of Performance for New Stationary Sources" (NSPS) apply to this source? NO

5. Do "National Emission Standards for Hazardous Air Pollutants" (NESHAP) apply to this source? NO

H. Do "Reasonably Available Control Technology" (RACT) requirements apply to this source? (1)

   a. If yes, for what pollutants? (1)

   b. If yes, in addition to the information required in this form, any information requested in Rule 17-2.650 must be submitted.

Attach all supportive information related to any answer of "Yes". Attach any justification for any answer of "No" that might be considered questionable.

(1) The unit is being permitted for statewide operation and could operate in nonattainment areas. The low emission rates expected from the unit (particulate matter, VOC and others) should be considered RACT.

SECTION III: AIR POLLUTION SOURCES & CONTROL DEVICES (Other than Incinerators)

A. Raw Materials and Chemicals Used in your Process, if applicable:

Description	Contaminants		Utilization Rate - lbs/~~hr~~ batch	Relate to Flow Diagram
	Type	% Wt		
Soil	VOC	<1.5%	1,400,000	Attachment 1

B. Process Rate, if applicable: (See Section V, Item 1)

1. Total Process Input Rate (lbs/hr): 1,400,000 lb (700 tons) per batch

2. Product Weight (lbs/hr): 1,4000,000 lb (700 tons) per batch

C. Airborne Contaminants Emitted: (Information in this table must be submitted for each emission point, use additional sheets as necessary)

Name of Contaminant	Emission[1]		Allowed[2] Emission Rate per Rule 17-2	Allowable[3] Emission lbs/hr	Potential[4] Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/~~hr~~ hr	T/yr	
PM	0.1	0.4	17-296.415	0.1	0.1	0.4	
SO2	<0.1	<0.1	NA	Requested	< 0.1	< 0.1	
NOx	0.3	1.1	NA	Requested	0.3	1.1	
CO	0.1	0.5	17-296.415	0.1	0.1	0.5	
VOC	1.2	4.8	NA	Requested	121	483	

[1]See Section V, Item 2.

[2]Reference applicable emission standards and units (e.g. Rule 17-2.600(5)(b)2. Table II, E. (1) - 0.1 pounds per million BTU heat input)

[3]Calculated from operating rate and applicable standard.

[4]Emission, if source operated without control (See Section V, Item 3).

D. Control Devices: (See Section V, Item 4)

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)
Thermal Oxidizer - HAVE System SM-1	VOC	99%	NA	Mfg
Catalytic reactor	VOC	(1)	NA	

(1) No efficiency assumed.

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
Propane	12 gal/hr	15 gal/hr	2.15
Natural Gas	1650 ft^3/hr	2050 ft^3/hr	2.15

*Units: Natural Gas--MMCF/hr; Fuel Oils--gallons/hr; Coal, wood, refuse, other--lbs/hr.

Fuel Analysis: Propane/Natural Gas

Percent Sulfur: Nil/Nil Percent Ash: Nil/Nil

Density: 5.0/NA lbs/gal Typical Percent Nitrogen: Nil/Nil

Heat Capacity: 19,500/NA BTU/lb (97,500/gal)(1050/ft^3) BTU~~/gal~~

Other Fuel Contaminants (which may cause air pollution): None

F. If applicable, indicate the percent of fuel used for space heating.

Annual Average NA Maximum NA

G. Indicate liquid or solid wastes generated and method of disposal.

None

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack):

Stack Height: 16 ft. Stack Diameter: 0.33 ft.

Gas Flow Rate: 400 ACFM 275 DSCFM Gas Exit Temperature: 250 °F.

Water Vapor Content: 8 % Velocity: 78.0 FPS

SECTION IV: INCINERATOR INFORMATION

NOT APPLICABLE

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq.& Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated							
Uncontrolled (lbs/hr)							

Description of Waste _____

Total Weight Incinerated (lbs/hr) _____ Design Capacity (lbs/hr) _____

Approximate Number of Hours of Operation per day _____ day/wk _____ wks/yr. _____

Manufacturer _____

Date Constructed _____ Model No. _____

	Volume $(ft)^3$	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber					
Secondary Chamber					

Stack Height: _____ ft. Stack Diamter: _____ Stack Temp. _____

Gas Flow Rate: _____ ACFM _____ DSCFM* Velocity: _____ FPS

*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control device: [ ] Cyclone [ ] Wet Scrubber [ ] Afterburner

[ ] Other (specify) _____

Brief description of operating characteristics of control devices: _____

_____

_____

_____

_____

Ultimate disposal of any effluent other than that emitted from the stack (scrubber water, ash, etc.):

_____

_____

_____

_____

NOTE: Items 2, 3, 4, 6, 7, 8, and 10 in Section V must be included where applicable.

SECTION V: SUPPLEMENTAL REQUIREMENTS

(SEE FOLLOWING PAGES)

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]

2. To a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.) and attach proposed methods (e.g., FR Part 60 Methods 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. To an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made.

3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).

4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, design pressure drop, etc.)

5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3 and 5 should be consistent: actual emissions = potential (1-efficiency).

6. An 8 1/2" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained.

7. An 8 1/2" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Example: Copy of relevant portion of USGS topographic map).

8. An 8 1/2" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.

SECTION V

SUPPLEMENTAL INFORMATION

1. Processing Rate

The soil is batch processed in 700 ton batches over a four to seven day period. This results in an equivalent processing rate of 4.2 to 7.3 tons per hour.

2/3. Controlled and Uncontrolled Emissions

Recirculating air flow = 5 cfm per cubic yd @ 550°F (temperature entering soil stack)

= 5 cfm/yd x 485 yd

= 2425 cfm @ 550°F

Discharge air flow = 400 cfm @ 250°F and 8% moisture

= 275 dscfm

Particulate Matter (Controlled and Uncontrolled)

= 275 dscfm x 0.04 gr/dscf x 1/7000

x 60 min/hr

= 0.1 lb/hr

x 8000/2000

= 0.4 tpy

Sulfur Dioxide (Controlled and Uncontrolled)

@ 0.02 lb/1000 gal

= 0.02/1000 lb/gal x 15 gal/hr

= <0.1 lb/hr

x 8000/2000

= <0.1 tpy

Nitrogen Oxides (Controlled and Uncontrolled)

@ 19 lb/1000 gal

= 19/1000 lb/gal x 15 gal/hr

= 0.3 lb/hr

x 8000/2000

= 1.1 tpy

Carbon Monoxide (Controlled and Uncontrolled)

@ 100 ppm, dry basis

= 275 dscfm x 60 min/hr x 100 ppm/1,000,000

x 28/385 lb CO/ft^3

= 0.1 lb/hr

x 8000/2000

= 0.5 tpy

VOC

Uncontrolled - Assume 700 tons of soil with 14,500 ppm VOC with treatment time of seven days

= 700 tons x 2000 lb/ton x 14,500 ppm/1,000,000

x 1/(7 days x 24 hr/day)

= 120.8 lb/hr

x 8000/2000

= 483 tpy

Controlled @ 99% (Assume efficiency with burn chamber temperature at 1800°F for 0.3 sec.)

= 120.8 lb/hr x (1 - 0.99)

= 1.2 lb/hr

x 8000/2000

= 4.8 tpy

4. Control Equipment

Burn chamber volume = 28 ft^3
Burn chamber temperature = 1800°F

Flow rate at 1800°F

= 2425 cfm((1800 + 460)/(550 + 460))

= 5426 cfm

Residence Time

= 28/(5426/60)

= 0.31 sec > 0.3; OK

5. VOC control efficiency of 99% based on compliance with Rule 17-296.415, F.A.C.

6. Flow Diagram - See Attachment 1

7. Location Map - NA

8. Site Plan - See Attachment 2 for typical plan

9. Fee - $250

10. NA

9. The appropriate application fee in accordance with Rule 17-4.05. The check should be made payable to the Department of Environmental Regulation.

10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY

NOT APPLICABLE

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?

[ ] Yes [ ] No

Contaminant	Rate or Concentration

B. Has EPA declared the best available control technology for this class of sources (If yes, attach copy)

[ ] Yes [ ] No

Contaminant	Rate or Concentration

C. What emission levels do you propose as best available control technology?

Contaminant	Rate or Concentration

D. Describe the existing control and treatment technology (if any).

1. Control Device/System:
2. Operating Principles:
3. Efficiency:*
4. Capital Costs:

*Explain method of determining

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

Contaminant	Rate or Concentration

10. Stack Parameters

a. Height: ft.

b. Diameter: ft.

c. Flow Rate: ACFM

d. Temperature: °F.

e. Velocity: FPS

E. Describe the control and treatment technology available (As many types as applicable, use additional pages if necessary).

1.

a. Control Device:

b. Operating Principles:

c. Efficiency:[1]

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:[2]

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

2.

a. Control Device:

b. Operating Principles:

c. Efficiency:[1]

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:[2]

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

[1]Explain method of determining efficiency.
[2]Energy to be reported in units of electrical power - KWH design rate.

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

3.

a. Control Device:

b. Operating Principles:

c. Efficiency:[1]

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:[2]

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

4.

a. Control Device:

b. Operating Principles:

c. Efficiency:[1]

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:[2]

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

F. Deacribe the control technology selected:

1. Control Device:

2. Efficiency:[1]

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:[2]

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

[1]Explain method of determining efficiency.
[2]Energy to be reported in units of electrical power - KWH design rate.

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:[1]

Contaminant	Rate or Concentration

(8) Process Rate:[1]

b. (1) Company:

(2) Mailing Address:

(3) City: (4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:[1]

Contaminant	Rate or Concentration

(8) Process Rate:[1]

10. Reason for selection and description of systems:

[1]Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION

A. Company Monitored Data NOT APPLICABLE

1. _____no. sites _____ TSP _____( ) SO^2* _____ Wind spd/dir

Period of Monitoring _____/_____/_____ to _____/_____/_____
month day year month day year

Other data recorded _____

Attach all data or statistical summaries to this application.

*Specify bubbler (B) or continuous (C).

2. Instrumentation, Field and Laboratory

a. Was instrumentation EPA referenced or its equivalent? [ ] Yes [ ] No

b. Was instrumentation calibrated in accordance with Department procedures?

[ ] Yes [ ] No [ ] Unknown

B. Meteorological Data Used for Air Quality Modeling

1. _____ Year(s) of data from ____/____/____ to ____/____/____
month day year month day year

2. Surface data obtained from (location)_____

3. Upper air (mixing height) data obtained from (location)_____

4. Stability wind rose (STAR) data obtained from (location)_____

C. Computer Models Used

1. _____ Modified? If yes, attach description.

2. _____ Modified? If yes, attach description.

3. _____ Modified? If yes, attach description.

4. _____ Modified? If yes, attach description.

Attach copies of all final model runs showing input data, receptor locations, and principle output tables.

D. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate
TSP	_____ grams/sec
SO^2	_____ grams/sec

E. Emission Data Used in Modeling

Attach list of emission sources. Emission data required is source name, description of point source (on NEDS point number), UTM coordinates, stack data, allowable emissions, and normal operating time.

F. Attach all other information supportive to the PSD review.

G. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.

H. Attach scientific, engineering, and technical material, reports, publications, journals, and other competent relevant information describing the theory and application of the requested best available control technology.

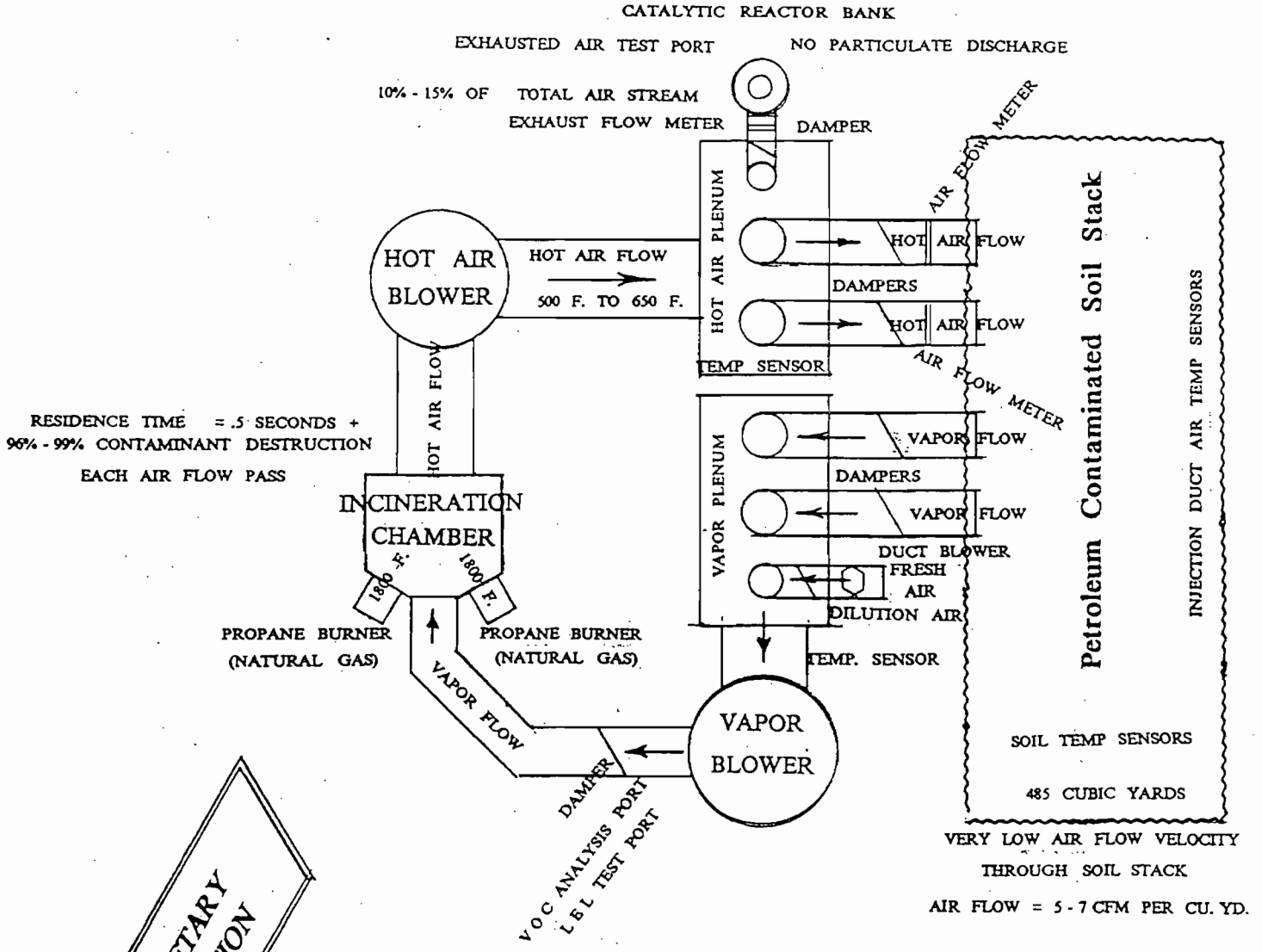
ATTACHMENT 1

"HAVE SYSTEM"

Process Flow Diagram

(Hot Air Vapor Extraction)

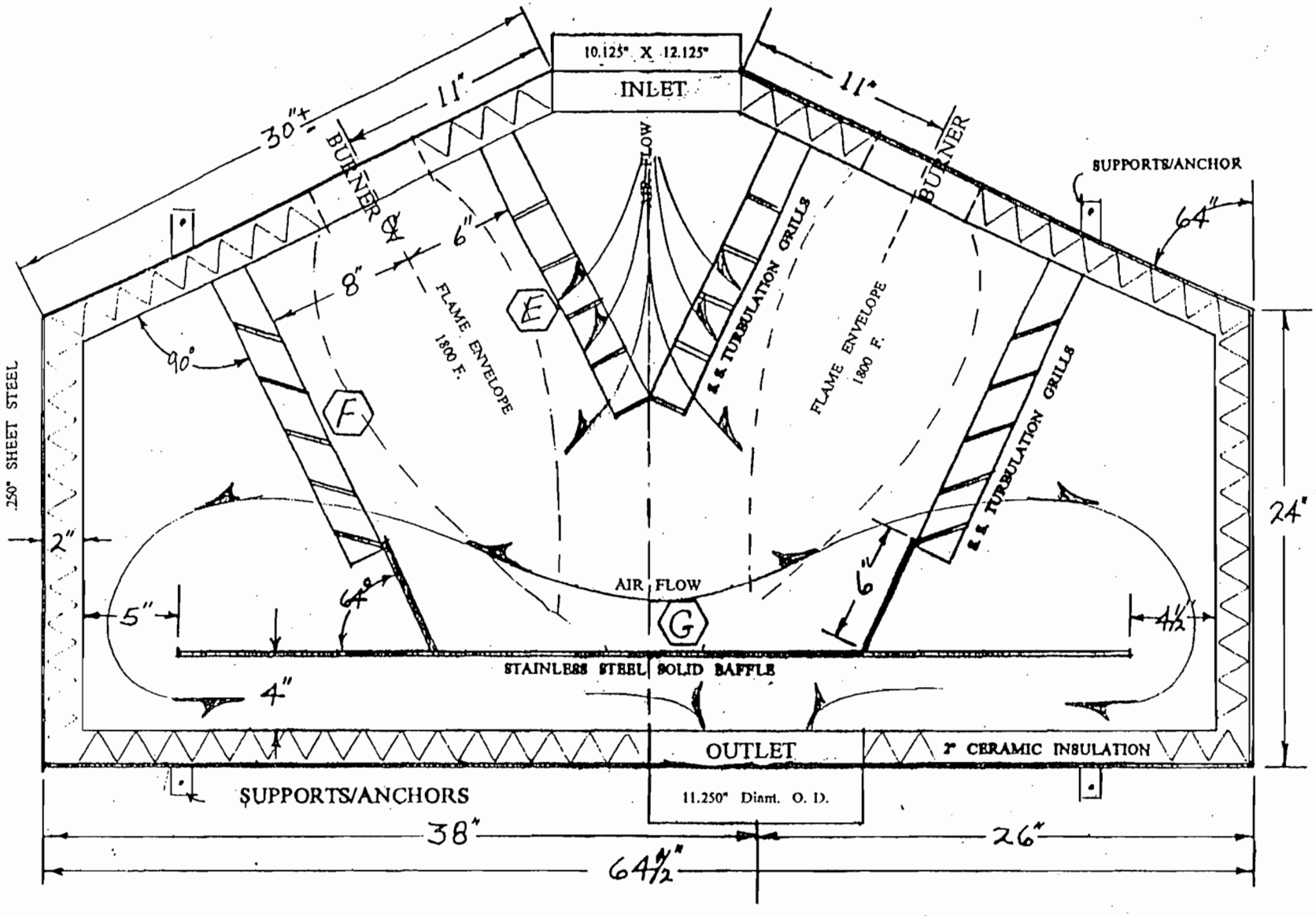
Patent Pending



C6 - C30 Remediation to Non-detect Levels

PROPRIETARY INFORMATION

8-14-90



INCINERATION CHAMBER DETAIL

Patent Pending

28 Cu.Ft. Volume
.5 sec. Residence Time
To 3360 CFM

PROPRIETARY INFORMATION
8-14-90

SCHEDULE "A"
EQUIPMENT

"HAVE SYSTEM" MODEL SM-I (485 Cu.Yds.)

DESCRIPTION AND SPECIFICATIONS

DETAILED COMPONENT LIST

1. TRANSPORT SYSTEM:

The "HAVE SYSTEM" is mounted in an enclosed 8' X 8'6" X 25' tandem axle trailer. (W/ Capacity to transport complete inventory of stack ducting and misc. materials.) (Trailer VIN Number and HAVE SYSTEM Serial Number furnished approximately three weeks prior to delivery of System.)

2. HOT AIR BLOWER SYSTEM: (Capacity = 3345 CFM at 4" SP)

1 - High Pressure Dayton Blower W/ 7.5 H.P. 3-Phase 230V Motor.
Equipped W/ Heat Slinger/ Heat Shield = Rated at 650 F. Air Temp. Capacity.
Mounted on 6 Floor Mounted Vibration Isolators.

3. VAPOR AIR BLOWER SYSTEM: (Capacity = 3360 CFM at 1/4" SP: 3600 CFM at 1/8" SP)

1 - Low Pressure Dayton Blower W/ 1 H.P. 3-Phase 230V Motor.
Rated at 250 F. Air Temp. Handling Capacity.
Mounted on 4 - Floor Mounted Vibration Isolators.

4. GAS SUPPLY FUEL TRAIN: (Propane and Natural Gas W/ Field Conversion)

1 - Dual Burner Fuel Train Complete W/ Exterior Hook-up, Valves and Safety Controls. (All U. L. Approved) (Simple field conversion between Propane & Natural Gas)
1 - Propane Vaporizer System complete.

5. BURNER SYSTEM: (Total Capacity = 2,150,000 BTUH)

2 - Power Flame Model J30A-10 1,075,000 BTUH Propane/Natural Gas fired Burners.
W/ Combustion Air Fans, Automatic Purge System, Electronic Ignition,
Flame Sensors and Automatic "Shut-down" Controls.
(All Underwriter Laboratories Approved)

6. INCINERATION / BURN CHAMBER:

1 - Steel jacketed, Ceramic lined Burn Chamber W/ Stainless Steel Baffles and Turbulation Grills, Inlet / Outlet connections and 2 Burner Mounts.
28 Cubic Feet of Air Volume Capacity provides
Air Residence Time of .5 + seconds up to 3360 CFM Air Flow.

7. EXHAUSTED AIR TREATMENT:

1 - Catalytic Reactor Bank through which ALL EXHAUSTED AIR must pass PRIOR to release into the atmosphere.

1 - Post Catalytic Reactor Bank exhaust air port with cooling line to Control Booth for instrumental analysis of exhausted air stream.

8. SYSTEM INTERIOR AIR HANDLING COMPONENTS:

A. 1 - STAINLESS STEEL HOT AIR PLENUM W/ High Temperature Insulation.

Plenum equipped with High Temperature Limit sensor for shut-down switch.
Plenum equipped with Temperature Sensor for automatic burner adjustment control.
2 - 12" Duct "Stack Air" Outlets and 1 - 6" Duct "Exhaust Air" Outlet.
All outlets equipped with Electrically Operated Duct Dampers.
All outlets equipped with Air Flow Indicators.
Plenum tapped W/ Pipe run to Control Booth for Vapor Contaminant Analysis.

B. 1 - STAINLESS STEEL VAPOR AIR PLENUM. (No Insulation)
Plenum water tight W/ Tapped in drain line, condensate pump W/ sealed mercury float switch. Also by-pass manual drain valve. (From plenum low-point)
(For removal of condensate from Soil Stack Vapor Air.)

1 - 12" Duct "Stack Vapor" Inlet. (Elect. Operated Duct Damper.) (S.S.)
1 - 12" Duct "Interstitial Vapor" Inlet. (Elect. Operated Duct Damper.) (S.S.)
1 - 6" Duct W/In Line Duct fan (Fresh Dilution Air). (Elect. Op.Damper.)(S.S.)

C. 1 - STAINLESS STEEL DUCT - (Vapor Blower to Burn Chamber.)

W/ Electrically Operated Damper. (Stainless Steel)
Tapped W/ Pipe run to Control Booth for Stack Vapor Contaminant Analysis.

9. OPERATOR CONTROL BOOTH COMPARIMENT: Equipped with:

A. Main Electric Breaker Panel.
B. Rotary Phase Converter. (15 H.P. Capacity)(Single phase to 3 phase)
C. Main Control Panel W/ All Duct Damper controls, Temperature Sensor Indicators, Blower Controls, Burner Controls, Stack Soil and Duct Air Temperature Monitors.
D. Captain's Type Swivel Stool at Operator's Station.
E. Base Cabinet W/ Stainless Steel Sink W/ Fresh Water tap.
F. Under-counter Refrigerator.
G. Microwave Oven Unit.
H. Wall Cabinets above counter for misc. storage.
I. 110 V Electric Automatic Coffee Maker.
J. Fold-up Writing Desk/Counter top.
K. Wall mounted Electric Heater.
L. Sliding Glass Observation Window. (On Duct hook-up & Soil Stack Side.)
M. 110 V Wall Exhaust/Vent Fan.
N. 48" Double Tube Fluorescent light fixture.
O. Vapor Analysis Instrumentation. (See Item # 21.)

10. REST ROOM FACILITIES:

Rest Room W/ Stool and Lavatory. Running water. (RV Type Fixtures)
1 - "Black Water" Sewage Holding Tank W/ RV type Drain/Dump gate. (50 gal. cap. +/-)
1 - "Grey Water" Sewage Holding Tank W/ RV type Drain/Dump gate. (50 gal. cap. +/-)
1 - Fresh Water Holding Tank W/ Demand type Pressure Pump. (45 gal. cap. +/-)
1 - 110 V Wall Exhaust/Vent Fan.

11. STORAGE: (Misc.)

2 - Enclosed stowage locker compartments for Flexible Ducting and Duct Fittings.
1 - Tool Stowage locker.

12. STACK DUCTING STORAGE:

Removable crossbar supports to provide adequate stowage for stack ducting.
Front Compartment Swing-up "Screen" Gate. (Load Shift Prevention)

MODEL SM-I STACK DIMENSIONS & DUCTING

SOIL STACK BASE DIMENSIONS = 23′ 4" X 91′ 0" = 485 cubic yards.

13. HOT AIR DISTRIBUTION AND MAIN VAPOR COLLECTION DUCTING:

4 Runs (Levels) of 12" Diam. Stack Hot Air Distribution Ducts W/ 4" "T"s - 24" O.C.
(Insulation is furnished for all 12" Hot Air Distribution Ducting.)

Level # 1 = 88′ W/ Center of Stack "T" Assembly (44 - 4" "T" Connectors and End Caps.)
Level # 2 = 86′ W/ Center of Stack "T" Assembly (43 - 4" "T" Connectors and End Caps.)
Level # 3 = 80′ W/ Center of Stack "T" Assembly (40 - 4" "T" Connectors and End Caps.)
Level # 4 = 78′ W/ Center of Stack "T" Assembly (39 - 4" "T" Connectors and End Caps.)

1 - 12" Main Vapor Collection Duct W/ 4" "T"s - 24" O.C. (Interstitial Space Vapor)
Vapor Collection Duct = 76′ W/ 2 - Center of Stack 12" "T"s, 38 - 4" "T" Connectors.
1 - 4" "T" Connector in each end cap.

14. HOT AIR INJECTION DUCTING: (4" Perforated Aluminum)

Level # 1 = 44 - 4" X 20′ ducts	W/ 18′drilled @ 16 holes per lin. ft.
Level # 2 = 43 - 4" X 17′ ducts	W/ 15′ " " " " " "
Level # 3 = 40 - 4" X 13.5′ "	W/ 11.5′ " " " " " "
Level # 4 = 39 - 4" X 9.5′ "	W/ 7.5′ " " " " " "

(Each "HAVE SYSTEM" will include these replacement "Extra Ducts": (As Listed above)

4 - Level # 1 - (20′);	2 - Level # 2 - (17′);
1 - Level # 3 - (13.5′);	1 - Level # 4 - (9.5′):

15. INTERSTITIAL VAPOR COLLECTION DUCTING: (4" Rigid/Flexible)

38 - 4" X 8′ Perforated Aluminum Ducts W/ Welded angle section.
38 - 4" X 12′ Perforated Flexible ducts with perforated end caps.
2 - 4" X 20′ Perforated Flexible ducts with perforated end caps.

16. "EXTRA" SET OF STACK DUCTING: Includes all items listed in # 13, 14 & 15 above)

(AVAILABLE AS OPTIONAL PACKAGE)

17. DISTRIBUTION DUCTING SUPPORT FRAMES:

(For Use in Soil Stack during Duct Assembly and Stack Formation.)

32 - Steel support frames. (For three levels of 12" Distribution Ducts).

18. STACK DUCT DISMANTLING TOOL:

3 - Steel "Duct Gripper" Tools, complete with cable rigging, for extracting 4" Aluminum ducting during dismantling of Soil Stacks.

19. "HAVE SYSTEM" TO SOIL STACK DUCTING - CONNECTION COMPONENTS:

1 - 12" HIGH Temp. Flexible Duct X 6' length W/ End Adapters. (Levels #1 & #2)
1 - 12" HIGH Temp. Flexible Duct X 12' Length W/ End Adapters. (Levels #3 & #4)

(HIGH TEMPERATURE Flexible Ducting rated for 800 Degrees F.)

2 - 12" LOW Temperature Flexible Ducts X 14' Length W/ End Adapters.
(For Connecting to Interstitial (Stack) Vapor Collection Ducts.)

(LOW Temperature Flexible Ducting rated for 250 Degrees F.)

20. FIRE SAFETY EQUIPMENT:

1 - 10 lb. "Dry Chemical" Fire Extinguisher.

21. INSTRUMENTATION:

1 - DUAL STANDALONE F.I.D. (Flame Ionization Detector)

1 - DUAL CHANNEL STRIP RECORDER

Monitors TPH content of Incoming Stack Vapor (PRE-Treatment)
Monitors TPH content of Outgoing Vapor (POST-Treatment)
(Provides accurate determination of remediated level of Soil Stack.)

1 - BIOSYSTEMS, Inc. PhD INSTRUMENT.
W/ Computer Link & Software
W/ Calibration Kit, Sample Draw Pump (Continuous)

Monitors Combustible Gases (LEL) of Incoming Stack Vapor
Monitors Oxygen content of Incoming Stack Vapor
Monitors CO (Carbon Monoxide) levels of EXHAUSTED Air
Monitors CO (Carbon Monoxide) levels of PRE-Exhaust Vapor

22. EXTERIOR NIGHT LIGHTING:

2 - 300 WATT EXTERIOR FLOOD LIGHTS.
(Mounted on Front and Rear stack side corners of Trailer roof)
(Quickly detachable for safe stowage) Control Booth Switching.

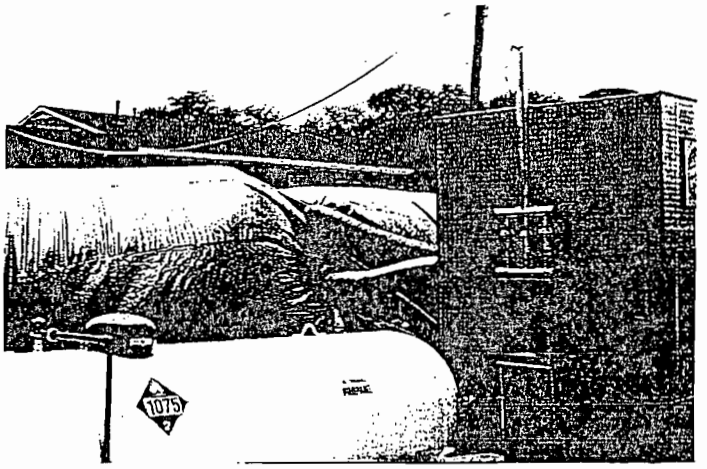
NOTE: HAVE SYSTEMS, Inc. reserves the right to make changes and or modifications in these component specifications without prior notice.

ATTACHMENT 2

QUALITY RECYCLING, INC.

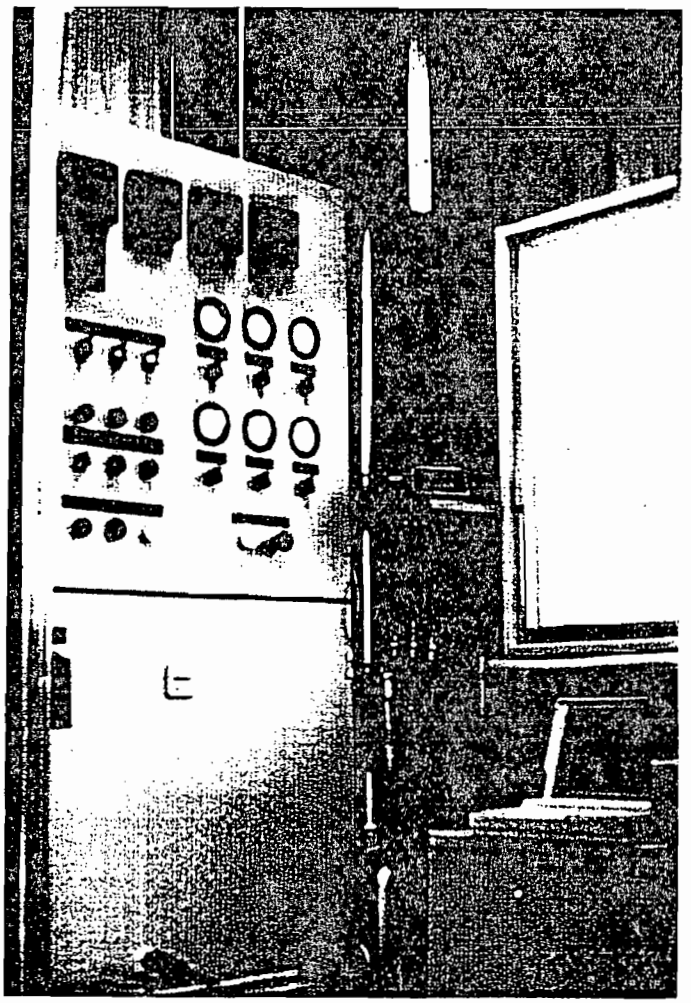
HOT AIR VAPOR EXTRACTION

Timely,
Environmentally Conscious,
and Economical.

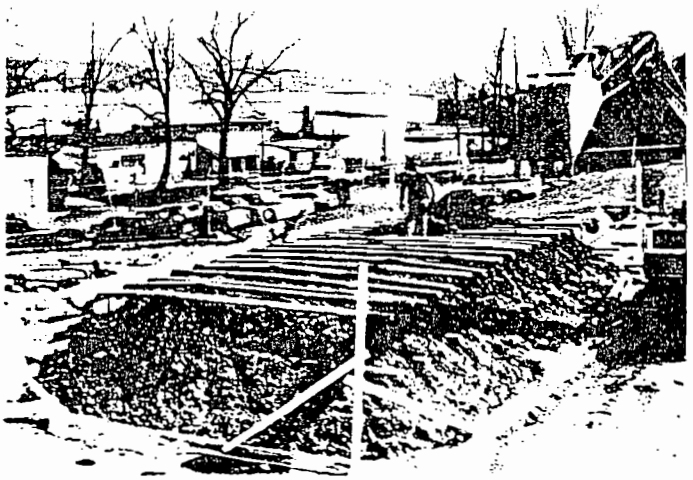


SOIL STACK COMPLETED—
Stack Sealing secured.

TREATMENT CELL OUTLINE

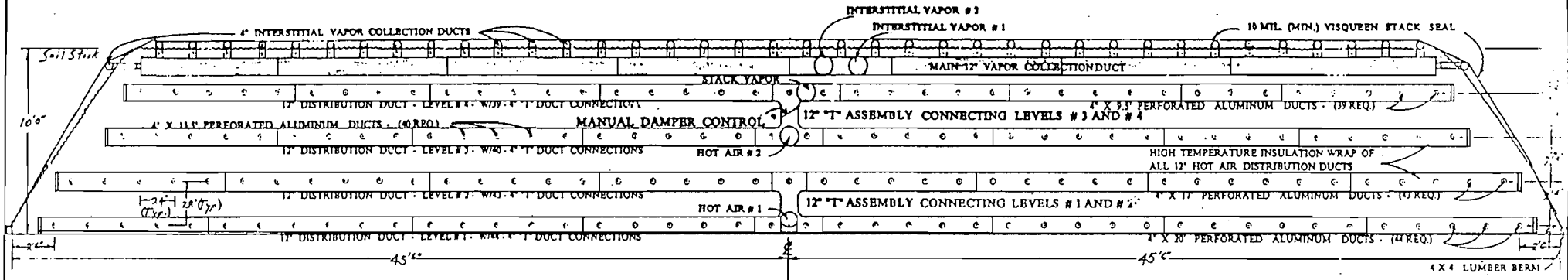


ON-SITE INSTRUMENTATION–
Continuous monitoring.



LEVELS #1 & #2 Complete.
Level #3 Ducting in Place.

1320 Ben Franklin Hwy., East • Douglassville, PA 19518
Phone: (215) 385-7478 • FAX: (215) 385-7040



STANDARD 485 CUBIC YARD STACK
LONGITUDINAL VIEW - DUCT PLAN
SCALE: 1/4" = 1'

ANALYSIS OF STACK SOIL CONTENT
(IN CUBIC YARDS)

BASIS: SOIL STACK CONFIGURATION AS SHOWN

LEVEL # 1 = 192 Cubic Yards

LEVEL # 2 = 123 Cubic Yards

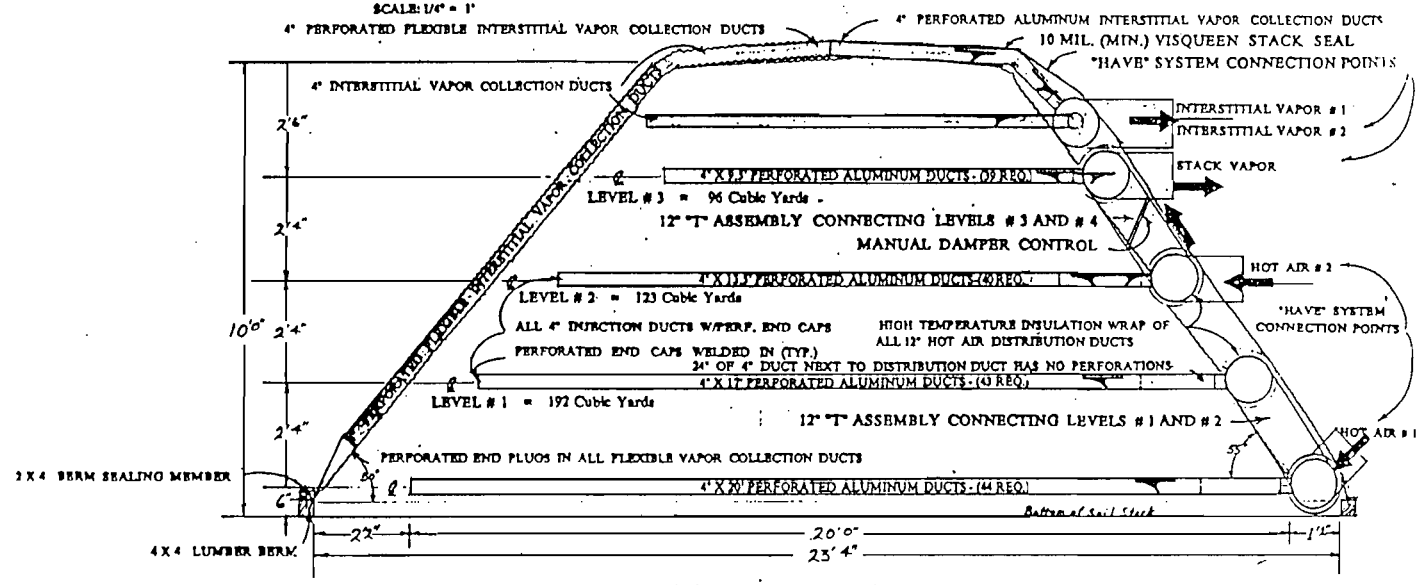
LEVEL # 3 = 96 Cubic Yards

LEVEL # 4 = 74 Cubic Yards

TOTAL = 485 Cubic Yards

Cubic Yards per lineal foot of
Soil Stack Cross Section = 5.7

(Each 10' reduction in stack length. = 57 Cu.Yds.)



STANDARD 485 CUBIC YARD STACK
END CROSS SECTION VIEW - DUCT PLAN
SCALE: 1/2" = 1'

PROPRIETARY INFORMATION

8-14-90

Patent Pending

SOIL STACK CONFIGURATION		
SCALE:	APPROVED BY	DRAWN BY M. D. "TKE"
DATE: 04.15.92		REVISED 10.19.93
SOIL STACK DUCT PLANS		
HAVE SYSTEM - Standard Model		DRAWING NUMBER # 9

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

RECEIVED
APR 11 1994
Bureau of Air Regulation

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
Mr. Kevin J. Merlo
Director of Operations
Quality Recycling, Inc.
1320 Ben Franklin Highway East
Douglassville, PA 19518

4a. Article Number
P 872 562 680

4b. Service Type
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

5. Signature (Addressee)
Sheila Jernegan

6. Signature (Agent)

7. Date of Delivery
4/4/94

8. Addressee's Address (Only if requested and fee is paid)

PS Form **3811**, December 1991 ☆U.S. GPO: 1992—323-402 **DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

P 872 562 680

Receipt for Certified Mail
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

UNITED STATES POSTAL SERVICE

Sent to Mr. Kevin J. Merlo	
Street and No. 1320 Ben Franklin Hwy, E	
P.O., State and ZIP Code Douglassville, PA 19518	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date Mailed: 4-1-94 Permit AC37-247574	

PS Form **3800**, JUNE 1991

Florida Department of
Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Lawton Chiles
Governor

Virginia B. Wetherell
Secretary

April 1, 1994

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Kevin J. Merlo
Director of Operations
Quality Recycling, Inc.
1320 Ben Franklin Highway, East
Douglassville, PA 19518

Dear Mr. Merlo:

Re: File No. AC 37-247574

The Department has reviewed your application for permit to construct a mobile soil remediation unit in Florida. We need additional information to process this application. Please provide the following:

1. What is the maximum operation temperature of the plastic sheet used to cover the contaminated soil?

2. How does your operation maintain the temperature of the circulating gas below the maximum operation temperature of the plastic sheet?

3. Please provide a drawing or drawings of the general arrangement of the HAVE*System that does not contain proprietary information. These drawings are needed for public review.

4. Please provide proof of publication of the attached Notice of Application.

Applicants for permits to construct soil remediation units are required to publish a Notice of Application in a newspaper having circulation in each county you intend to operate and provide the Department with proof of each publication. A proposed Notice of Application is enclosed. You will also be required to publish a Notice of Intent to Issue in the same newspaper(s) should the Department approve your application. Any construction permit issued will limit you to operating in these counties. To operate in any other county, you must satisfy the public notice requirements for that county, and have your permit amended to

authorize operation there. The public will have an opportunity to comment or petition for an administrative hearing in response to any public notice for your unit.

The Department will resume processing your application after the requested information is received. If you have any questions on this matter, please write me or call Willard Hanks at (904) 488-1344.

Sincerely,

John C. Brown, Jr., P.E.
Administrator
Air Permitting and Standards

JCB/WH/bjb

Enclosure

cc: John Koogler, P.E.
District Air Program Administrators
County Air Program Administrators

NOTICE OF APPLICATION

The Department of Environmental Protection announces receipt of an application for a permit from Quality Recycling, Inc. The application is to construct a mobile soil remediation unit that will evaporate and incinerate petroleum fuels and lubricants from soils contaminated by leaking fuel tanks, spills, etc. This unit may, upon permit issuance, be operated in the following counties: (applicant fill in prior to publication).

The application is being reviewed at the Department of Environmental Protection, Bureau of Air Regulation, 2600 Blair Stone Road, Tallahassee, FL 32399-2400. The application is available for public inspection during normal business hours, 8:00am - 5:00pm, Monday through Friday, except for legal holidays, at the Department of Environmental Protection offices located at:

111 S. Magnolia Drive, Tallahassee, FL 32301
160 Governmental Center, Pensacola, FL 32501-5794
3804 Coconut Palm Drive, Tampa, FL 33619-8218
2295 Victoria Avenue, Suite 364, Fort Myers, FL 33901
7825 Baymeadows Way, Suite B200, Jacksonville, FL 32256-7577
3319 Maguire Boulevard, Suite 232, Orlando, FL 32803-3767
1900 S. Congress Ave., Suite A, West Palm Beach, FL 33406

and county offices located at:

218 SW First Avenue, Ft. Lauderdale, FL 33301
33 S.W. 2nd Avenue, Suite 9-223, Miami, FL 33130
421 W. Church St., Suite 412, Jacksonville, FL 32202-4111
1410 North 21st Street, Tampa, FL 33605
901 E. Evernia Street, West Palm Beach, FL 33402
300 S. Garden Avenue, Clearwater, FL 34616
1301 Cattleman Road, Bldg. B, Sarasota, FL 34232-6299
2002 E. Michigan Avenue, Orlando, FL 32806
202 6th Avenue East, Bradenton, FL 34208
330 W. Church Street, Bartow, FL 33830

Is your RETURN ADDRESS completed on the reverse side?

SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
Kevin J. Merlo
Quality Recycling
1320 Ben Franklin Hwy, E
Douglasville, PA 19518

4a. Article Number
Z 127 632 533

4b. Service Type
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery
10/16/95

5. Signature (Addressee)
T Karpinski

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

PS Form **3811**, December 1991 ☆U.S. GPO: 1993—352-714 **DOMESTIC RETURN RECEIPT**

Z 127 632 533

Receipt for Certified Mail
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

UNITED STATES POSTAL SERVICE

Sent to
Kevin Merlo
Street and No.
Quality Recycling
P.O., State and ZIP Code
Douglasville, PA

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL: Postage & Fees	$
Postmark or Date	10-10-95

AC37-24754

PS Form **3800**, March 1993

Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

October 10, 1995

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Kevin J. Merlo
Director of Operations
Quality Recycling, Inc.
1320 Ben Franklin Highway, East
Douglassville, Pennsylvania 19518

Dear Mr. Merlo:

Re: DEP File No. AC 37-247574

The Department received an application for permit to construct a soil thermal treatment facility from you on March 22, 1994. Quality Recycling, Incorporated has not responded to the Department's April 1 and April 15, 1994, request for additional information on this project.

Please let the Department know within 30 days of receipt of this letter if you still have a plan and schedule to obtain a permit to construct and operate this unit in Florida. If your plans have changed, we request you withdraw the application for permit. The Department will deny this permit if you do not withdraw the application, respond to April 1 and 15 requests, or respond to this letter in a timely manner.

If you have any questions on this matter, please write to me or call Willard Hanks, review engineer, at (904) 488-1344.

Sincerely,

A. A. Linero, P.E.
Administrator
New Source Review Section

AL/wh/t

cc: Mr. John Koogler, P.E.

Is your RETURN ADDRESS completed on the reverse side?

SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
Kerri J. Merlo, Director
Quality Recyclers, Inc.
1320 Ben Franklin Hwy, E
Douglassville, PA 19518

4a. Article Number
Z 127 632 564

4b. Service Type
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery
11/2/95

5. Signature (Addressee)
[signature]

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

PS Form **3811**, December 1991 ☆U.S. GPO: 1993—352-714 **DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

Z 127 632 564

Receipt for Certified Mail
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

UNITED STATES POSTAL SERVICE

Sent to: Kerri Merlo,	
Street and No.: Quality Recyclers	
P.O., State and ZIP Code: Douglassville PA	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date: 10-31-95	
AC 37-247574	

PS Form **3800**, March 1993