



Department of Environmental Protection

Division of Air Resources Management

RECEIVED

APPLICATION FOR AIR PERMIT - NON-TITLE V SOURCE

MAY 14 2001

See Instructions for Form No. 62-210.900(3)

BUREAU OF AIR REGULATION

I. APPLICATION INFORMATION

Project No.: 7775087-002-AD

Identification of Facility

1. Facility Owner/Company Name: INDEPENDENCE EXCAVATING, INC.	
2. Site Name: ORLANDO CRUSHER	
3. Facility Identification Number: 7775087 [] Unknown	
4. Facility Location: Street Address or Other Locator: 9800 RECYCLE CENTER DRIVE City: ORLANDO County: ORANGE Zip Code: 32842	
5. Relocatable Facility? [X] Yes [] No	6. Existing Permitted Facility? [X] Yes [] No

Application Contact

1. Name and Title of Application Contact: KENNETH M. ROBERTS	
2. Application Contact Mailing Address: Organization/Firm: SOUTHERN ENVIRONMENTAL SCIENCES, INC. Street Address: 1204 NORTH WHEELER STREET City: PLANT CITY State: FL Zip Code: 33566	
3. Application Contact Telephone Numbers: Telephone: (813)752-5014 Fax: (813)752-2475	

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. Permit Number:	

Purpose of Application

Air Operation Permit Application

This Application for Air Permit is submitted to obtain: (Check one)

- Initial non-Title V air operation permit for one or more existing, but previously unpermitted, emissions units.
- Initial non-Title V air operation permit for one or more newly constructed or modified emissions units.

Current construction permit number: 7775087-01-AC

- Non-Title V air operation permit revision to address one or more newly constructed or modified emissions units.

Current construction permit number: _____

Operation permit number to be revised: _____

- Initial non-Title V air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.

Current operation/construction permit number(s):

- Non-Title V air operation permit revision for a synthetic non-Title V source. Give reason for revision; e.g., to address one or more newly constructed or modified emissions units.

Operation permit number to be revised: _____


Reason for revision: _____

Air Construction Permit Application

This Application for Air Permit is submitted to obtain: (Check one)

- Air construction permit to construct or modify one or more emissions units.
- Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.
- Air construction permit for one or more existing, but unpermitted, emissions units.

Owner/Authorized Representative

1. Name and Title of Owner/Authorized Representative: VIC DIGERONIMO, OWNER
2. Owner/Authorized Representative Mailing Address: Organization/Firm: INDEPENDENCE EXCAVATING, INC. Street Address: 5531 CANAL RD. City: VALLEYVIEW State: OH Zip Code: 44125
3. Owner/Authorized Representative Telephone Numbers: Telephone: (800)328-5531 Fax: (216)328-9066
4. Owner/Authorized Representative Statement: <i>I, the undersigned, am the owner or authorized representative* of the facility addressed in this application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.</i>  _____ Signature 5/4/01 _____ Date

* Attach letter of authorization if not currently on file.

Application Processing Fee

Check one: Attached - Amount: \$1,500.00 _____ Not Applicable

Construction/Modification Information

1. Description of Proposed Project or Alterations:

This application is for an initial statewide operating permit for a portable Hazmag Model 1313 concrete crushing unit that crushes, screens, and stockpiles asphalt and concrete material at a maximum rate of 150 tons per hour.

The material to be crushed is in chunk form ranging from one to twenty inches in diameter. The reclaimed material is transferred by payloader into a vibrating grizzly hopper where the material is sized. The smaller fraction drops to a conveyor belt and is transferred to the stockpile. The larger fraction drops into the impactor where it is crushed to the desired size and falls onto the conveyor to the stockpile. The material is transferred from the stockpile via payloader to trucks for retail sales or delivered to asphalt plants for use in asphalt concrete mixes.

Fugitive dust created during this process is generated by the vibrating feeder, the screening process and the impactor-crusher. Emissions from this facility are controlled by water sparys that moisten the reclaimed material to be crushed and moisten material drop and transfer points throughout the process with water flows varying from 10 to 40 gallons per minute.

2. Projected or Actual Date of Commencement of Construction: NA

3. Projected Date of Completion of Construction: NA

Application Comment

[Empty box for application comment]

Facility Regulatory Classifications

Check all that apply:

1. <input type="checkbox"/> Small Business Stationary Source?	<input type="checkbox"/> Unknown
2. <input type="checkbox"/> Synthetic Non-Title V Source?	
3. <input type="checkbox"/> Synthetic Minor Source of Pollutants Other than HAPs?	
4. <input type="checkbox"/> Synthetic Minor Source of HAPs?	
5. <input type="checkbox"/> One or More Emissions Units Subject to NSPS?	
6. <input type="checkbox"/> One or More Emission Units Subject to NESHAP Recordkeeping or Reporting?	
7. Facility Regulatory Classifications Comment (limit to 200 characters): FACILITY IS NOT SUBJECT TO 40 CFR 60 SUBPART OOO SINCE IT OPERATES AT A CAPACITY OF 150TPH OR LESS. 40 CFR 60.670 (C)(2)	

Rule Applicability Analysis

THIS PROJECT IS SUBJECT TO 62-210, F.A.C. – STATIONARY SOURCES – GENERAL REQUIREMENTS.

THIS PROJECT IS SUBJECT TO 62-296.711 WHEN IT IS OPERATED IN A PARTICULATE NON-ATTAINMENT AREA.

THIS FACILITY IS NOT SUBJECT TO 40 CFR 60 SUBPART OOO SINCE IT OPERATES AT A CAPACITY OF 150TPH OR LESS. 40 CFR 60.670(C)(2).

THIS PROJECT IS SUBJECT TO 62-296.320 GENERAL VISIBLE EMISSIONS LIMITATIONS.

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method): <p style="text-align: center;">WATER SPRAYS</p>
2. Control Device or Method Code(s): 61

Emissions Unit Details

1. Package Unit: Manufacturer: HAZMAG Model Number:
2. Generator Nameplate Rating: MW
3. Incinerator Information: Dwell Temperature: °F Dwell Time: seconds Incinerator Afterburner Temperature: °F

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate:	mmBtu/hr
2. Maximum Incineration Rate:	lb/hr tons/day
3. Maximum Process or Throughput Rate:	150 TONS/HR
4. Maximum Production Rate:	
5. Requested Maximum Operating Schedule:	hours/day days/week weeks/year 3120 hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters):	

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram?		2. Emission Point Type Code: 4	
Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): CRUSHER, CONVEYORS, TRANSFER POINTS, DROP POINTS			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA			
5. Discharge Type Code: F	6. Stack Height: NA	7. Exit Diameter: NA feet	
8. Exit Temperature: NA	9. Actual Volumetric Flow Rate: NA acfm	10. Water Vapor: NA %	
11. Maximum Dry Standard Flow Rate: NA dscfm		12. Nonstack Emission Point Height: NA feet	
13. Emission Point UTM Coordinates: Zone: 17 East (km): 463.3 North (km): 3144.3			
14. Emission Point Comment (limit to 200 characters):			

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 2

1. Segment Description (Process/Fuel Type) (limit to 500 characters): ASPHALT AND CONCRETE CRUSHING		
2. Source Classification Code (SCC): 3-05-025-10	3. SCC Units: TONS CRUSHED	
3. Maximum Hourly Rate: 150	4. Maximum Annual Rate: 468,000	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: NA	8. Maximum % Ash: NA	9. Million Btu per SCC Unit: NA
10. Segment Comment (limit to 200 characters):		

Segment Description and Rate: Segment 2 of 2

1. Segment Description (Process/Fuel Type) (limit to 500 characters): INDUSTRIAL ENGINES – RECIPROCATING DISTILLATE OIL		
2. Source Classification Code (SCC): 2-01-001-02	3. SCC Units: THOUSAND GALLONS BURNED	
3. Maximum Hourly Rate: 0.0291	4. Maximum Annual Rate: 90.8	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 1.0	8. Maximum % Ash: 0.05	9. Million Btu per SCC Unit: 150,000
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: WP	
3. Primary Control Device Code: 61	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control: 85	
6. Potential Emissions: 4.61 lb/hour 7.2 tons/year		7. Synthetically Limited? []	
8. Emission Factor: SEE ATTACHED CALCULATION SHEET		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): SEE ATTACHMENT E			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions _____ of _____ NA

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	

Emissions Unit Information Section 1 of 1

Pollutant Detail Information Page 2 of 4

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM10		2. Pollutant Regulatory Code: WP	
3. Primary Control Device Code: 61	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control: 85	
6. Potential Emissions: 4.04 lb/hour 6.3 tons/year		7. Synthetically Limited? []	
9. Emission Factor: SEE ATTACHED CALCULATION SHEET		10. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): SEE ATTACHMENT E			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions _____ of _____ NA

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. Of Operating Method) (limit to 200 characters):	

Emissions Unit Information Section 1 of 1

Pollutant Detail Information Page 3 of 4

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: CO		2. Pollutant Regulatory Code: EL	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 3.94 lb/hour 6.14 tons/year		7. Synthetically Limited? []	
10. Emission Factor: SEE ATTACHED CALCULATION SHEET		11. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): SEE ATTACHMENT E			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions _____ of _____ NA

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. Of Operating Method) (limit to 200 characters):	

Emissions Unit Information Section 1 of 1

Pollutant Detail Information Page 4 of 4

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: NOX		2. Pollutant Regulatory Code: EL	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 18.3 lbs/hour 28.5 tons/year		7. Synthetically Limited? []	
11. Emission Factor: SEE ATTACHED CALCULATION SHEET		12. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): SEE ATTACHMENT E			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions _____ of _____ NA

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	

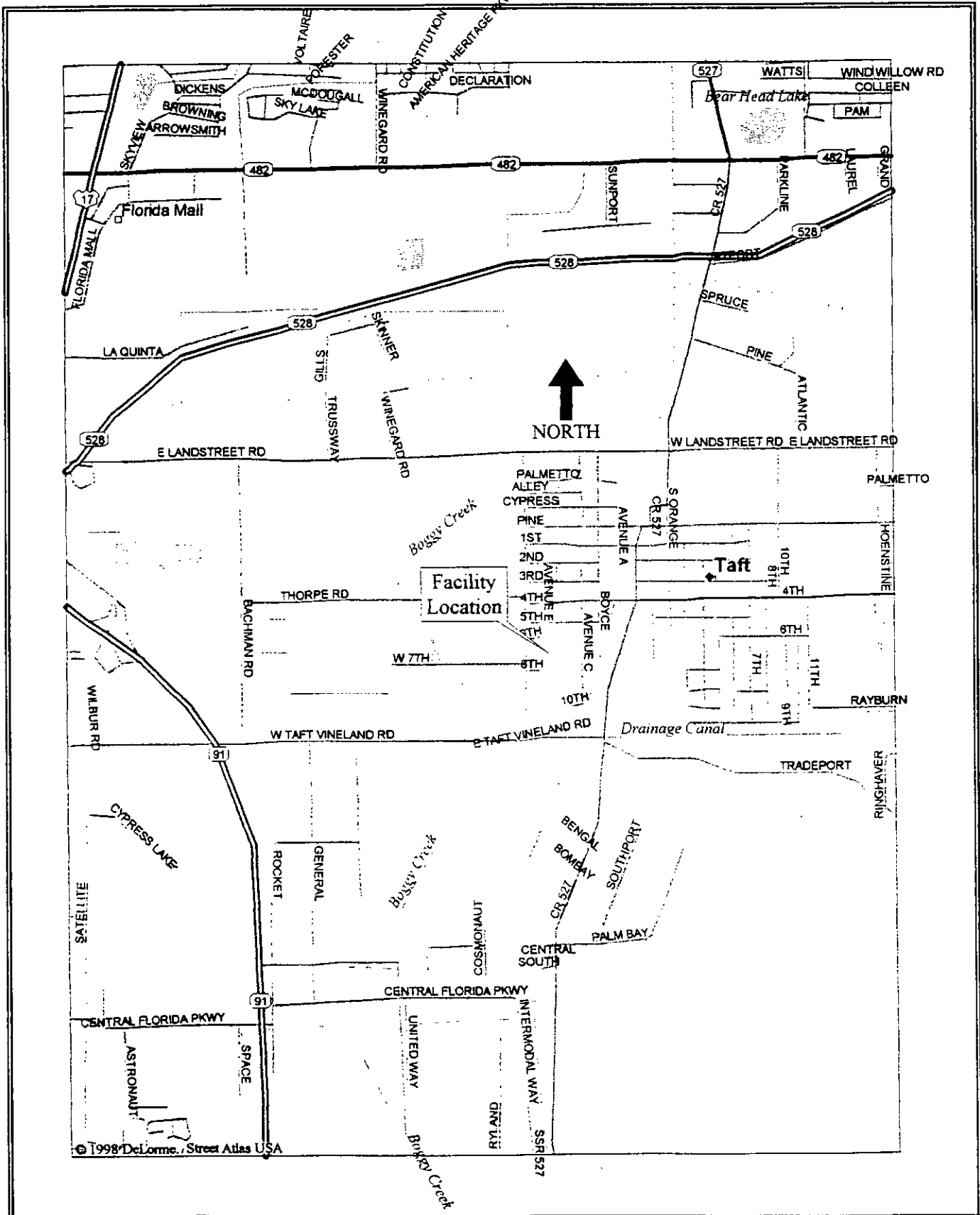
G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: <u> C </u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input checked="" type="checkbox"/> Attached, Document ID: <u> F </u> <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input checked="" type="checkbox"/> Attached, Document ID: <u> E </u> <input type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment:

DOCUMENT ID: A

FACILITY MAP

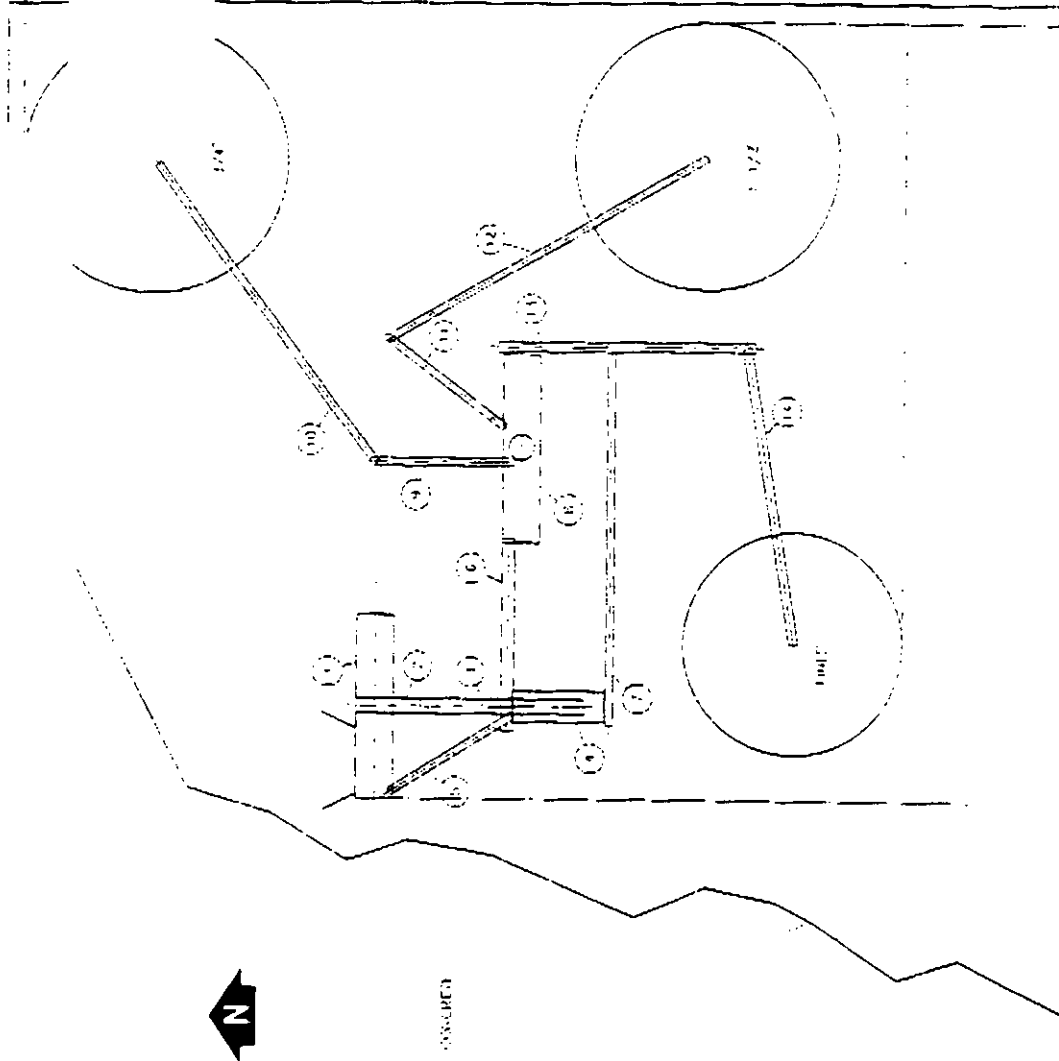


AREA MAP:
INDEPENDENCE EXCAVATING, INC.
 Portable Concrete Crusher
 9800 Recycle Center Rd., Orlando, FL

**SOUTHERN ENVIRONMENTAL
 SCIENCES, INC.**
 1204 N. Wheeler Street
 Plant City, Florida 33566-2354

DOCUMENT ID: B

FACILITY PLOT PLAN



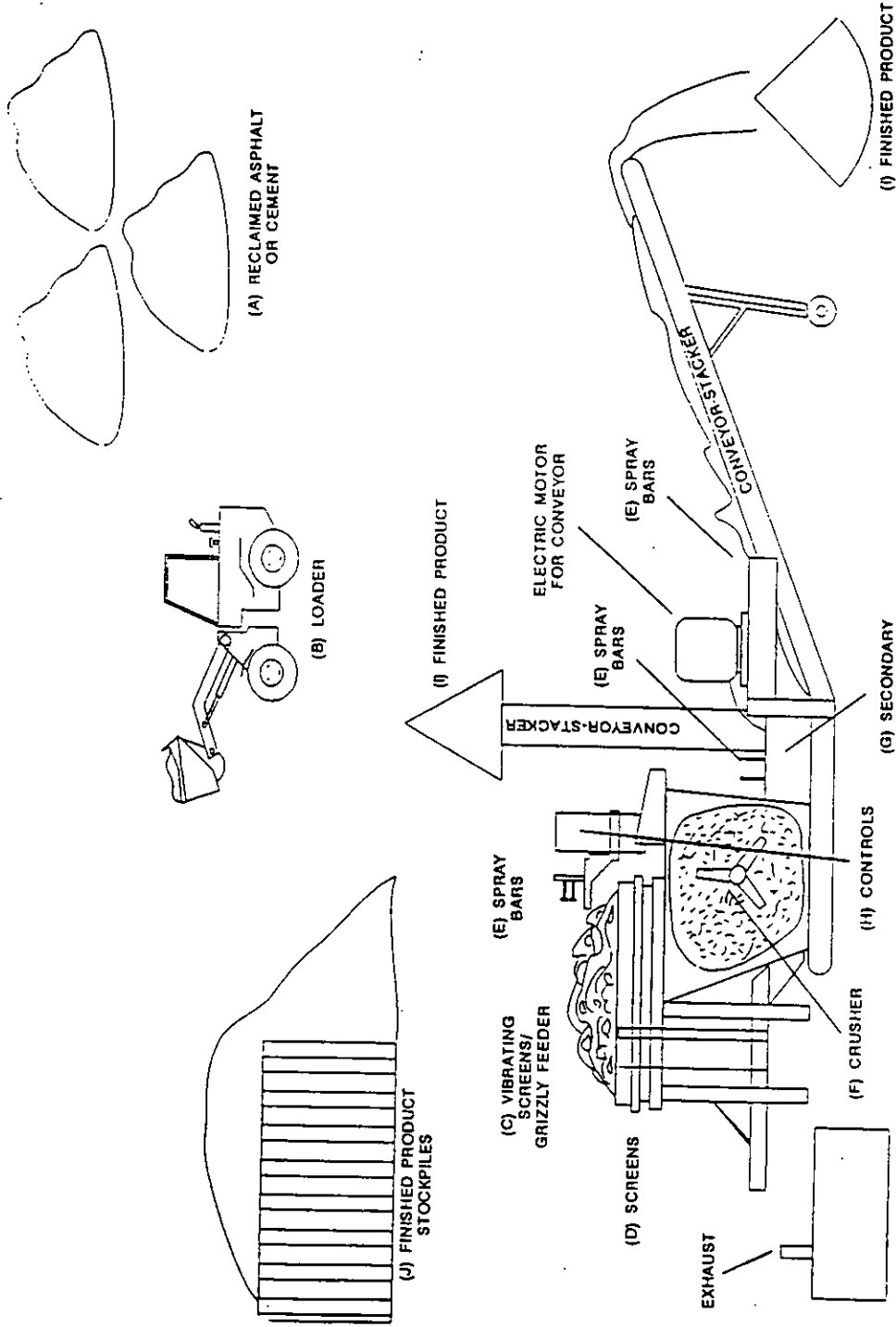
- 1) HAZVAC 1313 (OPT. 9803)
- 2) CRUSHER DISCHARGE CONVEYOR
- 3) SCREEN FEED CONVEYOR
- 4) SCREEN 5' X 14' 2 DECK
- 5) CRUSHER RETURN CONVEYOR
- 6) TRUSS CONVEYOR 63' LONG PULLEY
- 7) TRANSFER 24' X 100' RED CONVEYOR
- 8) 100' 200' CONE PLANT
- 9) TRUSS TRANSFER STATIONARY PULLEY CONVEYOR
- 10) STACKER / SCALE
- 11) TRUSS TRANSFER/SCALE CONVEYOR
- 12) STACKER/SIZE TOLD
- 13) 70' FOLDING TRANSFER CONVEYOR
- 14) 30' X 80' STACKER

Facility Plot Plan:
 Independence Recycling, Inc.
 9800 Recycle Center Rd.
 Orlando, Florida 32824

**SOUTHERN ENVIRONMENTAL
 SCIENCES, INC.**
 1204 N. Wheeler St. □ Plant City, Florida 33566 □ (813) 752-5014

DOCUMENT ID: C

PROCESS FLOW DIAGRAM



PROCESS FLOW DIAGRAM:
INDEPENDENCE EXCAVATING, INC.
 Portable Concrete Crusher
 Orlando, FL Site

SOUTHERN ENVIRONMENTAL SCIENCES, INC.

1204 N. Wheeler St. □ Plant City, Florida 33566 □ (813) 752-5014

DOCUMENT ID: D

**PRECAUTIONS TO PREVENT EMISSIONS OF
UNCONFINED PARTICULATE MATTER**

INDEPENDENCE EXCAVATING, INC.

PLAN TO CONTROL UNCONFINED PARTICULATE MATTER

In accordance with 62-296.320(4)(c), the facility will take reasonable precautions to prevent emissions of unconfined particulate matter from the facility. Activities which can cause fugitive particulate emissions at the facility include vehicular movement, transportation of materials, and industrially related activities such as materials loading, unloading, storing, and handling. Reasonable precautions to be taken by the facility include:

1. Application of water to paved and unpaved areas accommodating vehicular traffic if a visible particulate plume is observed to extend more than 15 feet from the point of origin.
2. Removal of particulate matter from buildings or work areas to prevent a visible particulate plume of unconfined particulate greater than 20%.
3. Use of enclosure(s) or covering of conveyor systems where necessary to prevent unconfined particulate emissions from having an opacity greater than 20%.

DOCUMENT ID: E
EMISSIONS CALCULATIONS

PARTICULATE EMISSION CALCULATIONS

COMPANY: INDEPENDENCE EXCAVATING, INC.
UNIT: CONCRETE CRUSHING UNIT

MAXIMUM PROCESS RATE	150	tons/hr
ANNUAL OPERATING HOURS	2080	hrs/yr

EMISSIONS FROM CRUSHING, CONVEYING AND SCREENING

SOURCE	TSP EMISSION FACTOR (lb/ton)	PM10 EMISSION FACTOR (lb/ton)	CONTROL DEVICE	CONTROL DEVICE EFFICIENCY (%)	TSP EMISSIONS		PM10 EMISSIONS	
					(lb/hr)	(tons/yr)	(lb/hr)	(tons/yr)
Primary or secondary crushing of moistened material	0.018	1	Enclosure	90	0.270	0.28	0.0005	0.0005
Crusher hopper loading operations	0.0003	2	Wet Sprays	85	0.007	0.01	0.015	0.02
Conveying system	0.0003	2	None	85	0.045	0.05	2.7	2.81
Screening	0.16	1	Wet Sprays	85	3.600	3.74	0.68	0.68
Continuous drop transfer station	0.029	1	Wet Sprays	85	0.653	0.68	4.57	4.76
TOTALS					4.57	4.76	2.72	2.82

Emissions (lb/hr) = Emission factor x process rate x (1 - Control eff.)

Emissions (tons/yr) = Emission (lb/hr) x annual operating hours

2000 lb/ton

EMISSIONS FROM CONTINUOUS DROP, EQUIPMENT TRAFFIC, WIND EROSION AND LOAD OUTS

POLLUTANT	PARTICLE SIZE MULTIPLIER (k)	MEAN WIND SPEED (MPH)	MATERIAL MOISTURE CONTENT (%)	CONTROL DEVICE	CONTROL DEVICE EFFICIENCY (%)	EMISSIONS	
						(lb/ton)	(tons/yr)
TSP	0.74	10	4.8	Wet Sprays	85	0.0017	0.040
PM10	0.35	10	4.8	Wet Sprays	85	0.0008	0.019

Formula
$$K(0.0032) \times \frac{(w/5)^{1.3}}{(m/2)^{1.4}}$$

where k = particle size multiplier = 0.74 (TSP) & 0.35 (PM10)

u = (mean wind speed) = 10 mph

m = (material moisture content) = 7%

References

1. AP40, Air Pollution Engineering Manual, Chapter 15, Page 779, Table 1
2. AP40, Air Pollution Engineering Manual, Chapter 15, Page 784, Table 3
3. AP42, Section 13.2.4 Aggregate Handling and Storage Piles

DIESEL MOTOR EMISSIONS CALCULATIONS

COMPANY: INDEPENDENCE EXCAVATING, INC.
 FACILITY: CONCRETE CRUSHING UNIT
 UNIT: 320 HP DIESEL MOTOR

BASIS AP42: GASOLINE AND DIESEL INDUSTRIAL ENGINES, TABLE 3.3-1

FUEL	DIESEL
HORSEPOWER RATING	320
ANNUAL OPERATING HOURS	2080

POLLUTANT	EMISSION FACTOR (lb/hp-hr)	EMISSIONS	
		(lb/hr)	(tons/yr)
PM10	0.0022	0.704	0.73
SO2	0.00205	0.656	0.68
NOX	0.031	9.920	10.32
VOC	0.000247	0.079	0.08
CO	0.00668	2.138	2.22

FORMULA

EMISSIONS (lb/hr) = EMISSIONS FACTOR (lb/hp-hr) x HORSEPOWER RATING OF MOTOR

EMISSIONS (tons/yr) = $\frac{\text{lb/hr} \times \text{ANNUAL OPERATING HOURS}}{2000 \text{ lbs/ton}}$

DIESEL MOTOR EMISSIONS CALCULATIONS

COMPANY: INDEPENDENCE EXCAVATING, INC.
 FACILITY: CONCRETE CRUSHING UNIT
 UNIT: 270 HP DIESEL POWERED GENERATOR

BASIS AP42: GASOLINE AND DIESEL INDUSTRIAL ENGINES, TABLE 3.3-1

FUEL	DIESEL
HORSEPOWER RATING	270
ANNUAL OPERATING HOURS	2080

POLLUTANT	EMISSION FACTOR (lb/hp-hr)	EMISSIONS	
		(lb/hr)	(tons/yr)
PM10	0.0022	0.594	0.62
SO2	0.00205	0.554	0.58
NOX	0.031	8.370	8.70
VOC	0.000247	0.067	0.07
CO	0.00668	1.804	1.88

FORMULA

$$\text{EMISSIONS (lb/hr)} = \text{EMISSIONS FACTOR (lb/hp-hr)} \times \text{HORSEPOWER RATING OF MOTOR}$$

$$\text{EMISSIONS (tons/yr)} = \frac{\text{lb/hr} \times \text{ANNUAL OPERATING HOURS}}{2000 \text{ lbs/ton}}$$

DOCUMENT ID: F

VISIBLE EMISSIONS TESTS

SOUTHERN ENVIRONMENTAL SCIENCES, INC.

1204 North Wheeler Street, Plant City, Florida 33566 (813)752-5014

VISIBLE EMISSIONS EVALUATION

COMPANY	Independence Excavating
UNIT	Receiving hopper/grizzly feeder
ADDRESS	9800 Recycle Center Rd. Orlando, Florida

PERMIT NO. 7775087-001-AE	COMPLIANCE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
AIRS NO. 7775087	EU NO. 001
PROCESS RATE 145 TPH	PERMITTED RATE 150 TPH

PROCESS EQUIPMENT
Receiving hopper/grizzly feeder

CONTROL EQUIPMENT
Water suppression system

OPERATING MODE Loading hopper	AMBIENT TEMP. (°F) START ~70 STOP ~75
----------------------------------	--

HEIGHT ABOVE GROUND LEVEL START ~15' STOP ~15'	HEIGHT REL. TO OBSERVER START ~15' STOP ~15'
---	---

DISTANCE FROM OBSERVER START ~50' STOP ~50'	DIRECTION FROM OBSERVER START 265° STOP 265°
--	---

EMISSION COLOR Tan	PLUME TYPE CONTIN. <input type="checkbox"/> INTERMITTENT <input checked="" type="checkbox"/>
-----------------------	---

WATER DROPLETS PRESENT NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	IS WATER DROPLET PLUME ATTACHED <input type="checkbox"/> DETACHED <input checked="" type="checkbox"/>
---	---

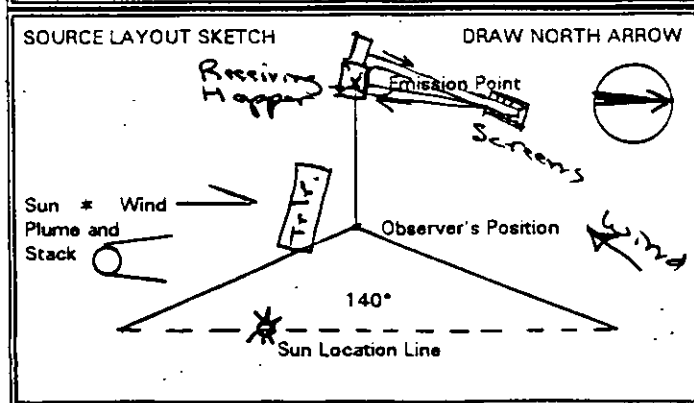
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START Top of hopper STOP Top of hopper

DESCRIBE BACKGROUND
START Sky STOP Sky

BACKGROUND COLOR START Blue STOP Blue	SKY CONDITIONS START Clear STOP Clear
--	--

WIND SPEED (MPH) START 3-5 STOP 3-5	WIND DIRECTION START NE STOP NE
--	------------------------------------

AVERAGE OPACITY FOR HIGHEST PERIOD 0.2%	RANGE OF OPAC. READINGS MIN. 0% MAX. 5%
--	--



COMMENTS

OBSERVATION DATE		START TIME				STOP TIME			
1/17/01		6:00				1:00			
SEC	0	15	30	45	SEC	0	15	30	45
	MIN					MIN			
0	0	0	0	0	30	0	0	0	0
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	0	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	0	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	0	0	0	38	0	0	0	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	0	40	0	0	0	0
11	0	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	0	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	0	0	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	0	0
21	0	0	0	0	51	0	0	0	0
22	0	0	0	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	0	55	0	0	0	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	0
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0

Observer: *Bryan Nelson*

Certified by: *FDEP* Certified at: *Tampa, FL*

Date Certified: *8/00* Exp. Date: *2/01*

I certify that all data provided to the person conducting the test was true and correct to the best of my knowledge:

Signature: *Otis Fryman*

Title: *Plant supervisor*

SOUTHERN ENVIRONMENTAL SCIENCES, INC.

1204 North Wheeler Street, Plant City, Florida 33566 (813)752-5014

VISIBLE EMISSIONS EVALUATION

COMPANY <u>Independence Excavating Inc.</u>	
UNIT <u>Crusher</u>	
ADDRESS <u>9800 Recycle Center Rd.</u> <u>Orlando, Florida</u>	
PERMIT NO. <u>7775087-001-AC</u>	COMPLIANCE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
AIRS NO. <u>7775087</u>	EU NO. <u>001</u>
PROCESS RATE <u>145 TPH</u>	PERMITTED RATE <u>150 TPH</u>
PROCESS EQUIPMENT <u>Crusher</u>	
CONTROL EQUIPMENT <u>Water suppression system</u>	
OPERATING MODE <u>Crushing</u>	AMBIENT TEMP. (°F) START <u>~70</u> STOP <u>~75</u>
HEIGHT ABOVE GROUND LEVEL START <u>~10'</u> STOP <u>~10'</u>	HEIGHT REL. TO OBSERVER START <u>~10'</u> STOP <u>~10'</u>
DISTANCE FROM OBSERVER START <u>~50'</u> STOP <u>~50'</u>	DIRECTION FROM OBSERVER START <u>265°</u> STOP <u>265°</u>
EMISSION COLOR <u>None</u>	PLUME TYPE <u>NA</u> CONTIN. <input type="checkbox"/> INTERMITTENT <input type="checkbox"/>
WATER DROPLETS PRESENT NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	IS WATER DROPLET PLUME <u>NA</u> ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/>
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START <u>At ground level</u> STOP <u>same</u>	
DESCRIBE BACKGROUND START <u>SKY</u> STOP <u>SKY</u>	
BACKGROUND COLOR START <u>Blue</u> STOP <u>Blue</u>	SKY CONDITIONS START <u>Clear</u> STOP <u>Clear</u>
WIND SPEED (MPH) START <u>3-5</u> STOP <u>3-5</u>	WIND DIRECTION START <u>NE</u> STOP <u>NE</u>
AVERAGE OPACITY FOR HIGHEST PERIOD <u>0%</u>	RANGE OF OPAC. READINGS MIN. <u>0%</u> MAX. <u>0%</u>
SOURCE LAYOUT SKETCH DRAW NORTH ARROW	
COMMENTS	

OBSERVATION DATE		START TIME				STOP TIME			
1/17/01		0900				1000			
SEC	0	15	30	45	SEC	0	15	30	45
	MIN					MIN			
0	0	0	0	0	30	0	0	0	0
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	0	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	0	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	0	0	0	38	0	0	0	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	0	40	0	0	0	0
11	0	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	0	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	0	0	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	0	0
21	0	0	0	0	51	0	0	0	0
22	0	0	0	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	0	55	0	0	0	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	0
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0

Observer: Byron Nelson

Certified by: FDZP Certified at: Tampa, FL

Date Certified: 8/00 Exp. Date: 2/01

I certify that all data provided to the person conducting the test was true and correct to the best of my knowledge:

Signature: DTA Fryman

Title: Plant supervisor

SOUTHERN ENVIRONMENTAL SCIENCES, INC.

1204 North Wheeler Street, Plant City, Florida 33566 (813)752-5014

VISIBLE EMISSIONS EVALUATION

COMPANY <i>Independence Excavating Inc.</i>	
UNIT <i>Screens</i>	
ADDRESS <i>9800 Recycle Center Rd Orlando, Florida</i>	
PERMIT NO. <i>775087-001-AC</i>	COMPLIANCE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
AIRS NO. <i>775087</i>	EU NO. <i>001</i>
PROCESS RATE <i>145 TPH</i>	PERMITTED RATE <i>150 TPH</i>
PROCESS EQUIPMENT <i>Screens</i>	
CONTROL EQUIPMENT <i>None</i>	
OPERATING MODE <i>Screening</i>	AMBIENT TEMP. (°F) START <i>~70</i> STOP <i>~75</i>
HEIGHT ABOVE GROUND LEVEL START <i>~10'</i> STOP <i>~10'</i>	HEIGHT REL. TO OBSERVER START <i>~10'</i> STOP <i>~10'</i>
DISTANCE FROM OBSERVER START <i>~60'</i> STOP <i>~60'</i>	DIRECTION FROM OBSERVER START <i>310°</i> STOP <i>310°</i>
EMISSION COLOR <i>None</i>	PLUME TYPE <i>NA</i> CONTIN. <input type="checkbox"/> INTERMITTENT <input type="checkbox"/>
WATER DROPLETS PRESENT NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	IS WATER DROPLET PLUME ATTACHED <input type="checkbox"/> DETACHED <input checked="" type="checkbox"/> <i>NA</i>
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START <i>Top of screens</i> STOP <i>Top of screens</i>	
DESCRIBE BACKGROUND START <i>SKY</i> STOP <i>SKY</i>	
BACKGROUND COLOR START <i>Blue</i> STOP <i>Blue</i>	SKY CONDITIONS START <i>Clear</i> STOP <i>Clear</i>
WIND SPEED (MPH) START <i>3-5</i> STOP <i>3-5</i>	WIND DIRECTION START <i>NE</i> STOP <i>NE</i>
AVERAGE OPACITY FOR HIGHEST PERIOD <i>0%</i>	RANGE OF OPAC. READINGS MIN. <i>0%</i> MAX. <i>0%</i>
SOURCE LAYOUT SKETCH DRAW NORTH ARROW	
COMMENTS	

OBSERVATION DATE <i>1/17/01</i>		START TIME <i>0900</i>		STOP TIME <i>1000</i>					
SEC	0	15	30	45	SEC	0	15	30	45
MIN					MIN				
0	0	0	0	0	30	0	0	0	0
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	0	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	0	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	0	0	0	38	0	0	0	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	0	40	0	0	0	0
11	0	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	0	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	0	0	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	0	0
21	0	0	0	0	51	0	0	0	0
22	0	0	0	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	0	55	0	0	0	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	0
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0
Observer: <i>Dylon Nelson</i>									
Certified by: <i>FDEP</i> Certified at <i>Tampa, FL</i>									
Date Certified: <i>8/00</i> Exp. Date: <i>2/01</i>									
I certify that all data provided to the person conducting the test was true and correct to the best of my knowledge:									
Signature: <i>DTA Johnson</i>									
Title: <i>Plant Supervisor</i>									

SOUTHERN ENVIRONMENTAL SCIENCES, INC.

1204 North Wheeler Street, Plant City, Florida 33566 (813)752-5014

VISIBLE EMISSIONS EVALUATION

COMPANY <i>Independence Excavating, Inc</i>
UNIT <i>Relocatable Belt Conveyors</i>
ADDRESS <i>9800 Recycle Center Rd Orlando, Florida</i>

PERMIT NO. <i>7775087-001-A0</i>	COMPLIANCE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
AIRS NO. <i>7775087</i>	EU NO. <i>001</i>
PROCESS RATE <i>145TPH</i>	PERMITTED RATE <i>150TPH</i>

PROCESS EQUIPMENT
Relocatable Belt Conveyors

CONTROL EQUIPMENT *None*
9800 Recycle Center Rd

OPERATING MODE <i>Conveying mat'l</i>	AMBIENT TEMP. (°F) START <i>75</i> STOP <i>75</i>
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HEIGHT ABOVE GROUND LEVEL START <i>~30'</i> STOP <i>~30'</i>	HEIGHT REL. TO OBSERVER START <i>~30'</i> STOP <i>~30'</i>
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DISTANCE FROM OBSERVER START <i>~100'</i> STOP <i>~100'</i>	DIRECTION FROM OBSERVER START <i>30°</i> STOP <i>30°</i>
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EMISSION COLOR <i>None</i>	PLUME TYPE <i>NA</i> CONTIN. <input type="checkbox"/> INTERMITTENT <input type="checkbox"/>
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WATER DROPLETS PRESENT NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	IS WATER DROPLET PLUME ATTACHED <input type="checkbox"/> DETACHED <input checked="" type="checkbox"/>
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POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START *Drop point* STOP *Drop point*

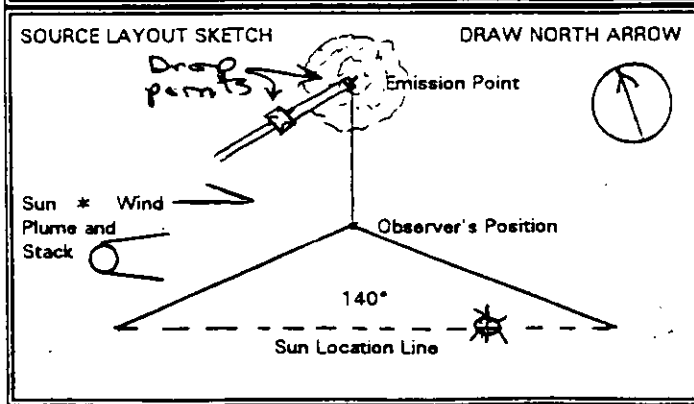
DESCRIBE BACKGROUND
START *sky* STOP *sky*

BACKGROUND COLOR START <i>Blue</i> STOP <i>Blue</i>	SKY CONDITIONS START <i>Clear</i> STOP <i>Clear</i>
--	--

WIND SPEED (MPH) START <i>3-5</i> STOP <i>3-5</i>	WIND DIRECTION START <i>NE</i> STOP <i>NE</i>
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AVERAGE OPACITY FOR HIGHEST PERIOD <i>0%</i>	RANGE OF OPAC. READINGS MIN. <i>0%</i> MAX. <i>0%</i>
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SOURCE LAYOUT SKETCH DRAW NORTH ARROW



COMMENTS

OBSERVATION DATE		START TIME				STOP TIME			
<i>1/17/01</i>		<i>1019</i>				<i>1119</i>			
SEC	0	15	30	45	SEC	0	15	30	45
MIN					MIN				
0	0	0	0	0	30	0	0	0	0
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	0	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	0	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	0	0	0	38	0	0	0	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	0	40	0	0	0	0
11	0	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	0	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	0	0	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	0	0
21	0	0	0	0	51	0	0	0	0
22	0	0	0	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	0	55	0	0	0	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	0
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0

Observer: *Dixon Nelson*

Certified by: *FOEP* Certified at: *Tampa, FL*

Date Certified: *8/00* Exp. Date: *2/01*

I certify that all data provided to the person conducting the test was true and correct to the best of my knowledge:

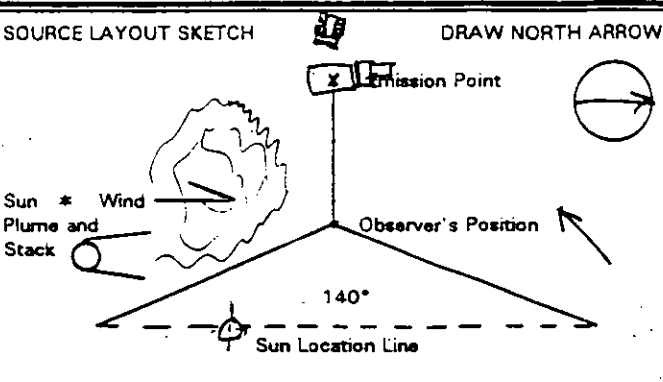
Signature: *DTA Johnson*

Title: *Plant Supervisor*

SOUTHERN ENVIRONMENTAL SCIENCES, INC.

1204 North Wheeler Street, Plant City, Florida 33566 (813)752-5014

VISIBLE EMISSIONS EVALUATION

COMPANY <i>Independence Excavating</i>	
UNIT <i>Truck loading/unloading</i>	
ADDRESS <i>9800 Recycle Center Rd. Orlando, Florida</i>	
PERMIT NO. <i>7775087-001-A</i>	COMPLIANCE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
AIRS NO. <i>7775087</i>	EU NO. <i>001</i>
PROCESS RATE <i>5 trucks loaded</i>	PERMITTED RATE <i>NA</i>
PROCESS EQUIPMENT <i>Truck loading/unloading</i>	
CONTROL EQUIPMENT <i>None</i>	
OPERATING MODE <i>Loading trucks</i>	AMBIENT TEMP. (°F) START <i>75</i> STOP <i>75</i>
HEIGHT ABOVE GROUND LEVEL START <i>~12'</i> STOP <i>~12'</i>	HEIGHT REL. TO OBSERVER START <i>~12'</i> STOP <i>~12'</i>
DISTANCE FROM OBSERVER START <i>~60'</i> STOP <i>~60'</i>	DIRECTION FROM OBSERVER START <i>270°</i> STOP <i>270°</i>
EMISSION COLOR <i>None</i>	PLUME TYPE <i>NA</i> CONTIN. <input type="checkbox"/> INTERMITTENT <input type="checkbox"/>
WATER DROPLETS PRESENT NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	IS WATER DROPLET PLUME <i>NA</i> ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/>
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START <i>Top of trucks</i> STOP <i>Top of trucks</i>	
DESCRIBE BACKGROUND START <i>SKY</i> STOP <i>SKY</i>	
BACKGROUND COLOR START <i>Blue</i> STOP <i>Blue</i>	SKY CONDITIONS START <i>Clear</i> STOP <i>Clear</i>
WIND SPEED (MPH) START <i>3-5</i> STOP <i>3-5</i>	WIND DIRECTION START <i>NE</i> STOP <i>NE</i>
AVERAGE OPACITY FOR HIGHEST PERIOD <i>0%</i>	RANGE OF OPAC. READINGS MIN. <i>0%</i> MAX. <i>0%</i>
SOURCE LAYOUT SKETCH 	
COMMENTS <i>5 trucks were loaded</i>	

OBSERVATION DATE		START TIME				STOP TIME			
<i>1/17/01</i>		<i>1905</i>				<i>1017</i>			
SEC	0	15	30	45	SEC	0	15	30	45
MIN					MIN				
0	0	0	0	0	30				
1	0	0	0	0	31				
2	0	0	0	0	32				
3	0	0	0	0	33				
4	0	0	0	0	34				
5	0	0	0	0	35				
6	0	0	0	0	36				
7	0	0	0	0	37				
8	0	0	0	0	38				
9	0	0	0	0	39				
10	0	0	0	0	40				
11	0	0	0	0	41				
12	0	0	0	0	42				
13					43				
14					44				
15					45				
16					46				
17					47				
18					48				
19					49				
20					50				
21					51				
22					52				
23					53				
24					54				
25					55				
26					56				
27					57				
28					58				
29					59				

Observer: *Byron Julian*

Certified by: *FOSP* Certified at: *Tampa, FL*

Date Certified: *8/00* Exp. Date: *2/01*

I certify that all data provided to the person conducting the test was true and correct to the best of my knowledge:

Signature: *Otie Freeman*

Title: *Plant Supervisor*