# **BEST AVAILABLE COPY**

DER PERMIT APPLICATION TRACKING SYSTEM MASTER RECORD ADDR:4720 N. ORANGE BLOSSOM TRAIL CITY:URLANDU ST:FLZ1P:32804 ADDITIONAL INFO REQ: / / / / / / REC: / / / / APPL COMPLETE DATE: / / COMMENTS NEC:Y DATE REQ: / / DATE REC: / / LETTER OF INTENT NCC:Y DATE WHEN INTENT ISSUED: / / WAIVER DATE: / / FEARING REQUEST DATES: / / HEARING WITHDRAWN/DENIED/ORDER -- DATES: / / MANUAL TRACKING DESIRED:N -EARING ORDER OR FINAL ACTION DUE DATE: THIS RECORD HAS BEEN SUCESSFULLY ADDED TEE PD DATE#1:02/20/80 \$5020 RECEIPT#06033525 REFUND DATE: / / REFUND \$ TEE PD DATER: / / \$ RECEIPIR REFUND DATE: / / REFUND \$ APPL:ACTIVE/INACTIVE/DENIED/WITHDRAWN/TRANSFERRED/EXEMPT/ISSUED:AC DATE:02/20/80 KEMARKS:LOUATED AT N.W. 22ND AVE. @ CONGRESS AVE. CIRCUIT BOARD ASSEMBLY PLANT, 50,000 BCARDS/YR. UTM = 17599.200E / 2935.300M. LAT/LOM = 80-05-00M. / 36-32-30ีน.

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PPL MAME:GESBOCKER, JOHN B. APPL PHONE:(404)881-9880 PKOJECT COUNTY:S DDK:880 W. PEACHTREE ST. N.W. C1TY:ATLANTA ST:GAZ1P:3030 GNT MAME:DOLLAR, JOHN R. AGNI PHON::(305)295-4131	Ü
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9-32-30 <b>0.</b>	

3301 GUN CLUB ROAD P.O. BOX 3858 WEST PALM BEACH, FLORIDA 33402



BOB GRAHAM GOVERNOR

JACOB D. VARN SECRETARY

WARREN G. STRAHM SUBDISTRICT MANAGER

#### STATE OF FLORIDA

# DEPARTMENT OF ENVIRONMENTAL REGULATION

#### SOUTH FLORIDA SUBDISTRICT

October 10, 1979

Palm Beach County
AP - Motorola, Inc.
(Proposed Facility)

Ms. Mary Lou Lackey, Manager Facility Planning Motorola, Inc. 8000 West Sunrise Boulevard Fort Lauderdale, Florida 33322

Dear Ms. Lackey:

Re: Motorola, Boynton Beach - Proposed

In your letter of October 3, 1979 it is indicated that the potential emissions of volatile organic compounds (VOCs) from the subject facility may be in excess of 125 tons/year. Under current policy the VOC air pollution permitting for this facility will be processed by the Department of Environmental Regulation, Bureau of Air Quality Management in Tallahassee.

We suggest that you contact Air Permitting, Bureau of Air Quality Management (904/488-1344) for detailed information on the current VOC air permitting requirements for your facility <u>prior</u> to filing a permit application. Applications should be mailed to:

Department of Environmental Regulation Bureau of Air Quality Management, Air Permitting Twin Towers Office Building 2600 Blair Stone Road Tallahassee, Florida 32301

A filing fee of twenty dollars is required for each application. Please make the check payable to the State of Florida Department of Environmental Regulation. Please note that the complex source application shall still be submitted to this office.

By copy of this letter we are transmitting copies of our previous VOC communications to the Bureau of Air Quality Management for their consideration.

Page 1 of 2

original typed on 100% recycled paper

Page 2 Ms. Mary Lou Lackey October 10, 1979

If you have any questions regarding this letter please do not hesitate to call Mr. Scott Benyon of this office, telephone 305/689-5800.

Sincerely,

Warren G. Strahm Subdistrict Manager

WGS:tts

Palm Beach County Health Department, with enclosures Dr. J. P. Subramani, Chief, Bureau of Air Quality Management, with enclosures Jim Estler, Office of Deputy Director, DER/Tallahassee

Steve Fox/Sonny Vergara, DER/Tallahassee Phil Edwards, DER/Ft. Myers Bruce Johnson, DER/Tallahassee

STATE OF FLORIDA

QEPL OF ENVIRONMENTAL RÉGULATION
P. O. BOX 3858
VEST PALM BEACH, FL 33402



September 7, 1979

Ms. Mary Lou Lackey Motorola, Inc. . 8000 West Sunrise Boulevard Fort Lauderdale, Florida 33322

Dear Ms. Lackey:

As you are aware, applications for permits from this Department are required for certain features of the proposed Boynton Beach Motorola facility. To establish the nature of the applications in question we have participated in several pre-application meetings with your company and its consulting engineers, visited the prospective facility site and attended a tour of the manufacturing processes at an existing Motorola facility in Plantation, Florida. Based on our observations to date, the following applications should be submitted to this Department:

- 1. Complex Source One application covering the Phase I and II parking facilities and associated highway improvements.
- Air Emission One application for each of the following:
  - a. Degreaser (each)
  - b. Wave solderer (each)
  - c. Miscellaneous other VOC\*emission sources
- 3. Dredge & Fill One application covering the installation of the drainage headwall structure in Canal E-4 and the placement of fill material waterward of the Ordinary High Water Line in the east/west drainage canal bisecting the site.

Page 2 Ms. Mary Lou Lackey September 7, 1979

Domestic Wastewater Collection System One application covering the Phase I
domestic collection system.

At the facility tour in Plantation on August 28, 1979, you agreed to supply us with information regarding the quantity, chemical composition and method of handling of the solid and liquid wastes which you expect to be generated at the Boynton Beach facility. Upon receipt of that analysis we will inform you whether solid waste or industrial wastewater applications should be submitted. You also agreed to quantify several miscellaneous volatile organic compounds used in your manufacturing process, e.g. cooling water additives, latex used in masking, resin in on-line soldering, alcohol for cleaning, releases from vented VOC storage, etc. This information will be used to clarify the sources that should be included in the application for air emission/miscellaneous source(s).

Compliance with the South Florida Water Management District criteria and procedures outlined in Chapter 16K, Florida Administrative Code (F.A.C.), will provide the Department with reasonable assurance that the proposed drainage discharge to Canal E-4 will not have a significant impact on the water quality and designated use of that water body. Pursuant to Section 17-4.243, F.A.C., you would not be subject to Department licensing for the discharge in question.

It is also necessary to secure Department approval of your spill containment procedures. This process can be initiated by the submittal of a narrative describing the provisions which Motorola plans to implement pertaining to the subject of spill control. The control of spills resulting from a disposal or storage accident, fire and fire flow into the facility should be addressed.

Final agency action on the referenced applications and approval is not required prior to groundbreaking on the new facility. Submittals by Motorola should be made well in advance of source/structure construction commencement in order to allow lead time for permit processing and source/structure modification, if necessary.

In some cases local governments require, as a prerequisite to building permit issuance, acquisition of all required State authorizations. As this would significantly impact your scheduling process, I suggest you contact the appropriate local government unit(s) for further information.

The City of Boynton Beach must construct a new force main in order to provide your facility with domestic wastewater service. The force main will require a collection/transmission construction permit and a dredge and fill permit(s) from this Department. These permits must be obtained, by the City, prior to initiation of construction on the force main. You may wish to direct attention to this situation as it also has potential to impact your scheduling process.

Page 3 Ms. Mary Lou Lackey September 7, 1979

In conclusion I wish to emphasize the need for a free informational exchange between Motorola and the Department, particularly in the area of the manufacturing process. Such an exchange can keep misunderstandings to a minimum.

Should questions or concerns arise regarding this matter, do not hesitate to contact me. My staff is available to meet with you on rather short notice, in the Boynton Beach area as often as once a month, should it become necessary.

Sincerely,

Warren G. Strahm Subdistrict Manager

WGS:sbs

cc: Steve Fox/Sonny Vergara,/DER/Tallahassee
Phil Edwards, DER/Ft. Myers
Bruce Johnson, DER/Tallahassee
Frank Gargiulo, Palm Beach County Health Department
Sam Shannon, Treasure Coast Regional Planning Council

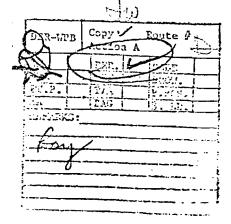
## MOTOROLA INC.



Communications Products Division

October 3, 1979

Mr. Warren G. Strahm, Subdistrict Manager Florida Department of Environmental Regulation South Florida Subdistrict 3301 Gun Club Road P.O. Box 3858 West Palm Beach, Florida 33402



Dear Mr. Strahm:

Trichlorotrifuorse 12.

In response to your letter of September 7, 1979, the information contained herein relates to the volume and nature of the chemicals and wastes which are expected to be used and/or generated at Motorola's proposed facility in Boynton Beach, Florida.

The following chemicals, which are defined as volatile organic compounds (V.O.C.), will be used:

Chemical	Weekly	Usage	Pounds
Plio Bond Adhesive	18	oz.	1.2 oz.
Bond-Solv Solvent	51	oz.	3.2 lb.
Isopropyl Alcohol	134	gal.	1018 lb.
Trichlorethylene	22.6	gal.	271.2 lb.
Acetone	233	gal.	1482 lb.
Red Lacquer	1/2	pt.	, <del></del>
Green Lacquer	1/2	pt.	•••
Eastman 910 Fast Set	24	oz.	1.5 lb.
Plio-Bond	1	oz.	0.1 lb.
?Freon TMS	. 86	gal.	. 997.6 lb.
Chlorethene NV (Trichorethane)	120	gal.	1272 lb.
Kester #1547 Flux	13	gal.	91 lb.

TOTAL V.O.C. = 5,137 lb./week

Some of these chemicals are partially reclaimed, and the total V.O.C. level is therefore somewhat less than the above. Approximately 15 percent of the Freon TMS and 50 percent of the Kester #1547 Flux are reclaimed by a licensed and State certified scavenger company. Therefore, the total V.O.C. is actually:

TOTAL V.O.C. = 4,942 lb./week

(-frem? thereases) 4,09516,/w/2 52 m/s/yr

106,5 TPY VOCE

DECEIVED OCT 4 1979

> \$0 TPY Dept. of Environmental Reg.
West Palm Beach

In addition to the V.O.C.'s listed above, a variety of other chemicals which are not classified as V.O.C.'s will be used. Those which are used on a regular basis or in any significant quantity are:

Chemical	Weekly Usage
RTV 3140	45 oz.
RTV 734	3 oz.
Loctite Screw Lock	30 cc.
Loctite 422	21 oz.
Glyptal Cement	3 qts.
Latex Solder Mask	92.5 oz.
Eastman 910 Adhesive	33 oz.
Stellar Blue Spray	1/2 pt.
Stellar Black Spray	1/2 pt.
Scotchcast Resin	14 lb.
RTV 3144	30 oz.
RTV 732	24 oz.
Loctite 222	5 cc.
Silver Paint	16 oz.
Hollis Oil	28 gal.
Kerosene	25 oz.
Sulphur Free Cutting Oil	12 oz.
"Kleen Kool" Water Soluble Oil	25 oz.
"Melkut" Metal Lubricant 5591	12 oz.
"Trim Mist" Water Soluble Oil	12 oz.
	• • • • • •

As mentioned previously, liquid wastes (Freon TMS, Kester #1547 Flux and Hollis Oil) will be containerized for pick-up by a licensed and State certified scavenger company. Solid waste will be picked-up by the City of Boynton Beach.

If you need any additional information regarding our projected usage, please contact our office.

Sincerely,

Mary Lou Lackey

Manager

Facility Planning

cc: Jim Hunt, Motorola
Tom McDougall, Motorola
Fred Hilton, Motorola
Jack Gesbocker, Heery & Heery
Jim Show, Environmental Analysis & Design, Inc.
Garth Horne, Post, Buckley, Schuh & Jernigan, Inc.

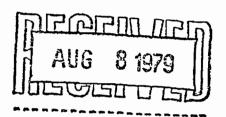
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## MOTOROLA INC.



# Communications Products Division

August 8, 1979



Mr. Dave Maltby, Regional Planner Treasure Coast Regional Planning Council 50 Kindred Street P.O. Box 2395 Stuart, Florida 33494

#### Dear Dave:

Attached is a location map and a preliminary conceptual site plan for Motorola's proposed manufacturing facility in <u>Boynton Beach</u>. Although the final plan has not yet been determined, it will be similar to this one in terms of total size and scope.

The property contains 90 acres, and is located in the southwest corner of the intersection of Congress Avenue and 22 Avenue. The site plan will show two separate facilities, each containing approximately 500,000 square feet. Motorola's current plans include only the development of the northern-most facility, and the second campus may never come into being. However, the site plans will include both facilities, in order to provide guarantees of approval for the second plant, should Motorola decide to build it at a later date.

The development of each facility will involve three phases, as follows:

Phase	Start of Construction	Sq. Ft.	1st Shift Employees	Parking Spaces
I	1980	240,000	1300	1000
II	1983-1988 1986-1991	140,000 125,000	<b>7</b> 50 675	550 500
Sub-Total N	Worth Facility	505,000	2725	2050
IV	1989-1994	240,000	1300	1000
AI A	1992-1997 1995-2000	140,000 125,000	<b>7</b> 50 675	550 500
Sub-Total S	outh Facility	505,000	2725	2050
TOTAL		1,010,000	5450	4100

The site plan will involve a land use breakdown approximately as follows:

<u>Use</u>	Acres	% of Total
Building	23.2	25.8%
Parking/Accessways	32.9	36.5%
Open Space	33.9	37.7%
Total	90.0	100.0%

August 8, 1979 Page - 2 -

The facility will be a light assembly plant for paging radio systems and/or Handie-Talkie radio systems, and will include the full range of engineering, administration and support services associated with these products. There will be no chemical manufacturing. Water and sewer facilities will be provided by the City of Boynton Beach.

If you need any additional information prior to our preapplication conference on August 13, please let me know.

Sincerely,

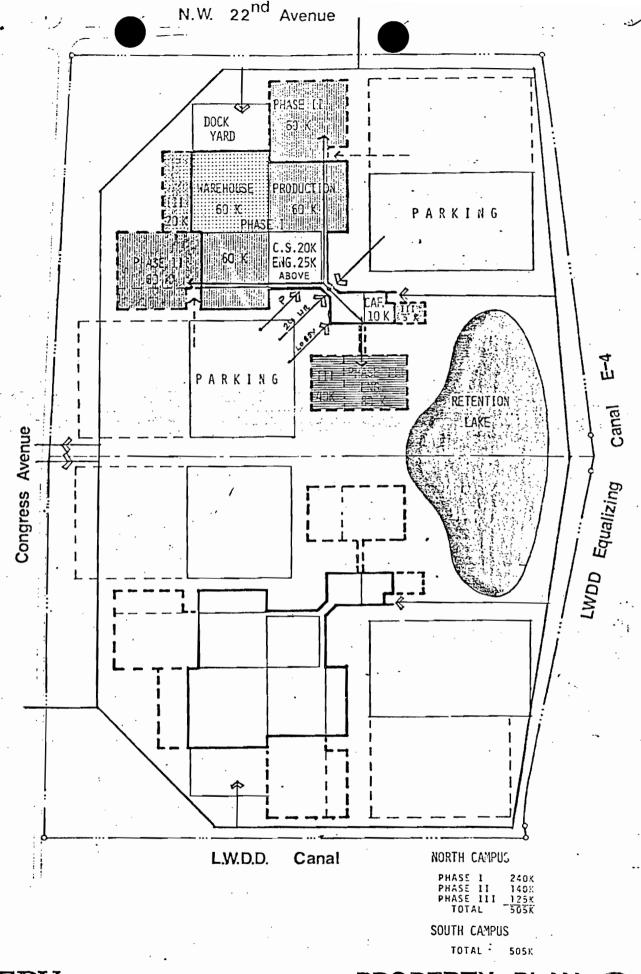
Mary Lou Lackey

Manager

Facility Planning

attachment:





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freely near Architects & Engineers, Inc. Villanta in Irgui

PROPERTY PLAN

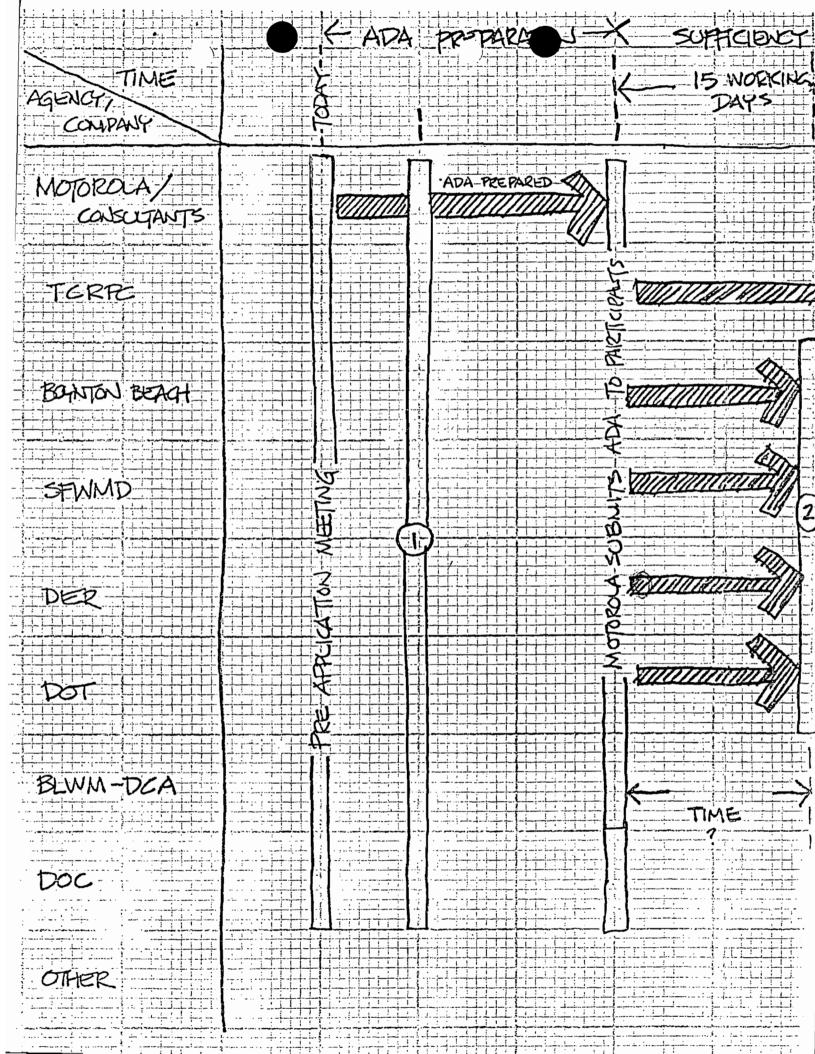
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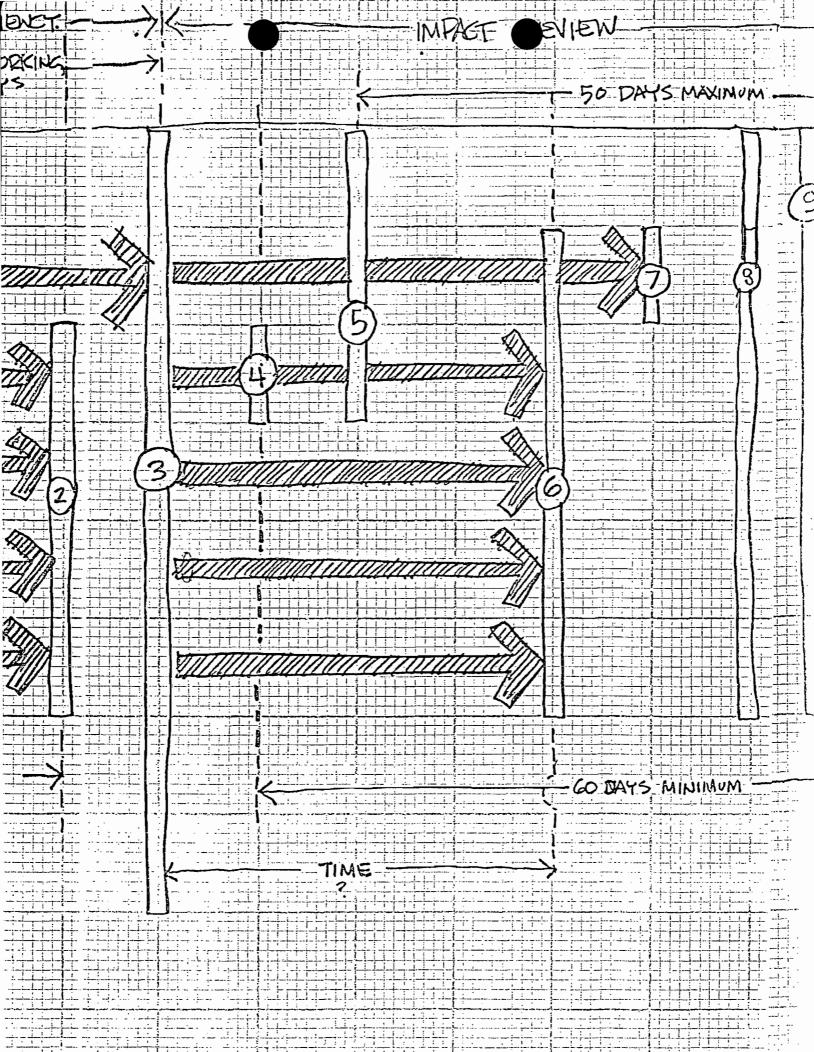
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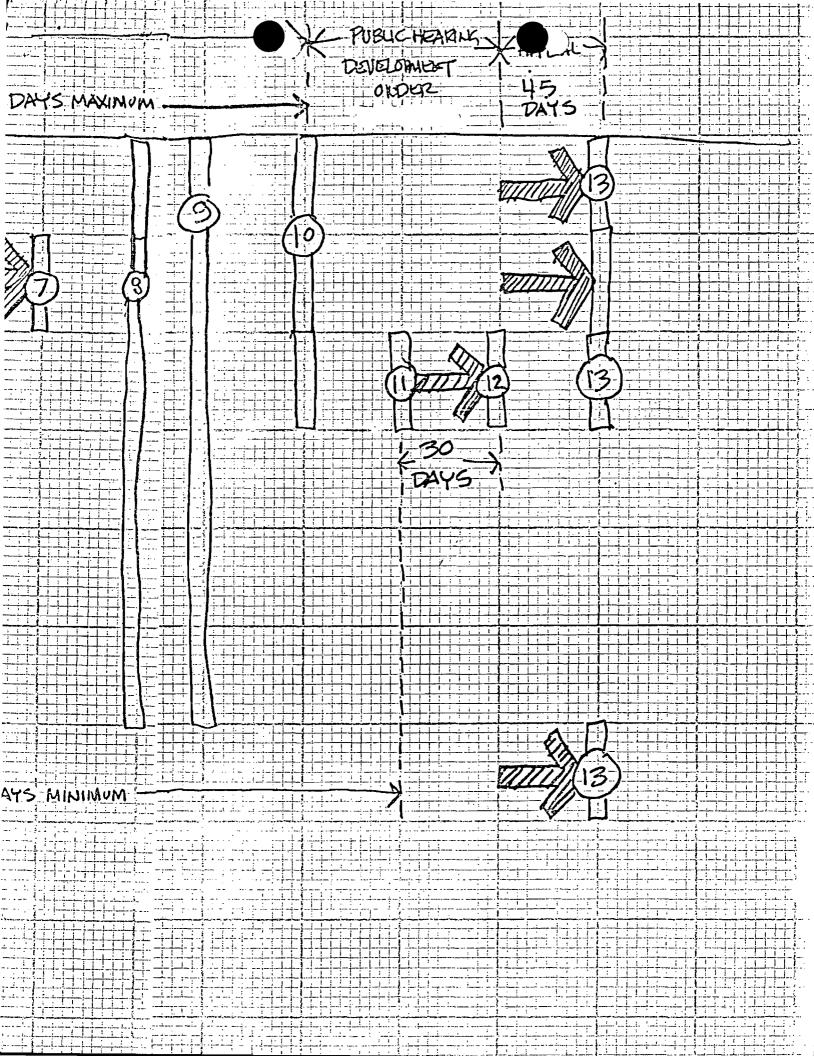


### NOTES TO THE MOTOROLA TIME CHART

- 1. a) TCRPC will formalize the conclusions of the Preapplication Meeting by letter.
  - b) All agencies provide Motorola with materials relevant to the project area, i.e., reports, data, permit applications, rules, etc.
- Agencies respond to TCRPC as to the sufficiency of the information provided in the ADA.
- 3. TCRPC notifies Boynton Beach, Motorola, and participating agencies of the sufficiency or lack thereof. Remaining activities assume the application is sufficient. TCRPC and participating agencies begin review.
- 4. Boynton Beach sets a public hearing date at least 60 days in advance. The date must be set at a scheduled meeting of the Boynton Beach City Council.
- 5. Boynton Beach notifies TCRPC and Motorola that the hearing date is set. This notification begins the 50-day DRI review period.
- 6. All participating agencies provide their reports on the ADA.
- 7. TCRPC staff completes their impact assessment with DRAFT recommendations.
- 8. Negotiating session where problems identified in the impact assessment report are discussed and, hopefully, mutually acceptable resolutions are found.
- 9. TCRPC meeting. Motorola will start the DRI review with a presentation of the project. Staff will follow with the impact assessment report. Other agencies may make a presentation, as appropriate. Motorola will conclude with a rebuttal to the assessment report, if appropriate.
- The impact assessment report and final recommendations of the TCRPC are forwarded to Boynton Beach.
- 11. Boynton Beach holds public hearing.
- 12. Boynton Beach prepares Development Order.
- 13. Motorola, TCRPC, and BLWM have 45 days to appeal the Development Order.









A(-50-28265 (33526/FA)

# STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

# APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE:Air Pollution [	X) New <sup>1</sup> [ ] Existing <sup>1</sup>
APPLICATION TYPE: [X] Construction [ ] Operation [ ] Mod	dification
COMPANY NAME: Motorola, Inc.	COUNTY: Palm Beach
Identify the specific emission point source(s) addressed in this applic No. 2, Gas Fired)Conveyorized Wave Solder and Degr	ration (i.e. Lime Kiln No. 4 with Venturi Scrubber; Peeking Unit reasing System 1
SOURCE LOCATION: Street N.W. 22nd Ave. & Congr	ess_Ave City Boynton Beach, Florida
UTM: East	North
Latitude 80 o 5 , 0 "N	Longitude 26 o 32 , 30 , w
APPLICANT NAME AND TITLE: John B. Gesbocker, He	
APPLICANT ADDRESS:	et, N.W., Atlanta, Georgia 30309
	· · · · · · · · · · · · · · · · · · ·
SECTION I: STATEMENTS BY A	PPLICANT AND ENGINEER W
A. APPLICANT	
l am the undersigned owner or authorized representative* of	Motorola, Inc.
I certify that the statements made in this application for a	Construction Permit
pollution control source and pollution control facilities in su Florida Statutes, and all the rules and regulations of the department, will be non-transferable and I will permitted establishment.	ch a manner as to comply with the provision of Chapter 403, tment and revisions thereof. I also understand that a permit, if promptly notify the department upon sale or legal transfer of the
*Attach letter of authorization S	igned Munit of Morle
	John B. Gesbocker  Name and Title (Please Type)
	Date: 2-18-80 Telephone No. 1/404/881-9880
B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (w	here required by Chapter 471, F.S.)
be in conformity with modern engineering principles applicable permit application. There is reasonable assurance, in my profeserly maintained and operated, will discharge an effluent that concules and regulations of the department. It is also agreed that the cant a set of instructions for the proper maintenance and operat sources.  (Affix Seal)	control project have been designed/examined by me and found to to the treatment and disposal of pollutants characterized in the ssional judgment, that the pollution control facilities, when propries with all applicable statutes of the State of Florida and the ne undersigned will furnish, if authorized by the owner, the application of the pollution control facilities and, if applicable, pollution signed:    Ohn R. Dollar, P.E.   Name (Please Type)
	4720 N. Orange Blossom Trail-Orlando, FL 32804  Mailing Address (Please Type)
#23458	Date: 2-14-80 Telephone No. 1/305/295-4131
Florida Registration No	Pare. See 1 See 1 Felephone No1

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# . SECTION II: GENERAL PROJECT INFORMATION

radios. This facility will be in	full compliance with	DER 17-2.
	<del></del>	•
Schedule of project covered in this application (Construction		 Cantamban 1091
Start of Construction June 1980	<ul> <li>Completion of Constructi</li> </ul>	ion <u>September 1981</u>
Costs of pollution control system(s): (Note: Show break project serving pollution control purposes. Information of	down of estimated costs only	y for individual components/units of the state of the sample of the samp
permit.)	on detail design shall be form	and with the appropriate
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ndicate any previous DER permits, orders and notices assion dates.		nt, including permit issuance and e
AC 50-25762 Issued 1/14/80		
Expires 12/31/81	٠	
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s this application associated with or part of a Development and Chapter 22F-2, Florida Administrative Code? X  Normal equipment operating time: hrs/day 8.5; day seasonal, describe:  f this is a new source or major modification, answer the following the source in a non-attainment area for a particular properties. If yes, has "offset" been applied?  b. If yes, has "Lowest Achievable Emission Rate" been c. If yes, list non-attainment pollutants.	t of Regional Impact (DRI) pures No ays/wk 5; wks/yr 4 and a strong questions. (Yes or No ollutant?	rsuant to Chapter 380, Florida Sta
s this application associated with or part of a Development and Chapter 22F-2, Florida Administrative Code?  Normal equipment operating time: hrs/day 8.5; days f seasonal, describe:  If this is a new source or major modification, answer the following the source in a non-attainment area for a particular pollowing the source in a non-attainment area for a particular pollowing the source in a non-attainment pollowing the source in a non-attainmen	t of Regional Impact (DRI) pures No ays/wk 5; wks/yr 4 5; wks/yr 4; wks/yr	rsuant to Chapter 380, Florida Sta
s this application associated with or part of a Development and Chapter 22F-2, Florida Administrative Code?  Normal equipment operating time: hrs/day 8.5; days f seasonal, describe:  If this is a new source or major modification, answer the following the source in a non-attainment area for a particular pollowing the source in a non-attainment area for a particular pollowing the source in a non-attainment pollowing the source in a non-attainmen	t of Regional Impact (DRI) pures No ays/wk 5; wks/yr 4 and allowing questions. (Yes or No ollutant?	rsuant to Chapter 380, Florida Sta
s this application associated with or part of a Development and Chapter 22F-2, Florida Administrative Code?  Normal equipment operating time: hrs/day 8.5; days f seasonal, describe:  f this is a new source or major modification, answer the following the source in a non-attainment area for a particular pola. If yes, has "offset" been applied?  b. If yes, has "Lowest Achievable Emission Rate" been c. If yes, list non-attainment pollutants.  Photochemical Oxidants  Photochemical Oxidants  Photochemical Oxidants	t of Regional Impact (DRI) pures No ays/wk 5; wks/yr 4 and allowing questions. (Yes or No ollutant?  applied?  to this source? If yes, see	yes  No
s this application associated with or part of a Development and Chapter 22F-2, Florida Administrative Code?  Normal equipment operating time: hrs/day 8.5; days f seasonal, describe:  f this is a new source or major modification, answer the following the source in a non-attainment area for a particular perasion of the source in a non-attainment area for a particular perasion. If yes, has "offset" been applied?  b. If yes, has "Lowest Achievable Emission Rate" been c. If yes, list non-attainment pollutants.  Photochemical Oxidants  2. Does best available control technology (BACT) apply to Section VI.  3. Does the State "Prevention of Significant Deterioriation and the section of Significant Deterioriation	t of Regional Impact (DRI) pures No ays/wk5; wks/yr4 and allowing questions. (Yes or No collutant?  applied?  to this source? If yes, see ion" (PSD) requirements	yes  No  No

DER FORM 17-1.122(16) Page 2 of 10

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

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

Description	Contaminants		Utilization	Delete to Ele . Di	
Description	Туре	% Wt	Rate - lbs/hr	Relate to Flow Diagram	
Kester Solder Flux	VOC		1.06	A	
#1547					
	-				

D	December Date	if applicable:	ICan Castian		Itom 1	ı١
В.	rrocess hate,	и аррисаріе.	(See Section	v,	ITCIII I	,

1.06 1. Total Process Input Rate (lbs/hr): \_

2. Product Weight (lbs/hr): \_

C. Airborne Contaminants Emitted:

	Emiss	ion <sup>1</sup>	Allowed Emission <sup>2</sup>	Allowable <sup>3</sup>	Potential Emission <sup>4</sup>	Relate
Name of Contaminant	Maximum lbs/hr	Actual T/yr	Rate per Ch. 17-2, F.A.C.	Emission Ibs/hr	lbs/hr T/yr	to Flow Diagram
Hydrocarbon	1.06	1.08	N/A		1.06 1.08	. В
		-				

Control Devices: (See Section V, Item 4)

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles <sup>5</sup> Size Collected (in microns)	Basis for Efficiency (Sec. V, It <sup>5</sup> )
	, .			
				ا نسپینسی -
			-:	
	•			

<sup>5</sup>If Applicable -

DER FORM 17-1.122(16) Page 3 of 10

<sup>&</sup>lt;sup>1</sup>See Section V, Item 2.

<sup>2</sup>Reference applicable emission standards and units (e.g., Section 17-2.05(6) Table II, E. (1), F.A.C. – 0.1 pounds per million BTU

<sup>&</sup>lt;sup>3</sup>Calculated from operating rate and applicable standard

<sup>&</sup>lt;sup>4</sup>Emission, if source operated without control (See Section V, Item 3)

en er en er	(D - C : (C - ) '		Con	sumption*		Maximum He	at Input
Type (	(Be Specific)		avg/hr	max./	hr	(MMBTU	
	,						
<u> </u>	M. Is paid the In-		<u> </u>			· · · · · · · · · · · · · · · · · · ·	<u> </u>
	-						
Units Natural Gas, I	MMCE/hr Fuel (	Tile harrele/hr: (	Coal lhs/hr	1			
uel Analysis:						•	-
ercent Sulfur:	-	<u>-</u>		Percent Ash:	<u>-</u>	• •	
ensity:	· · · · · · · · · · · · · · · · · · ·	· .	lbs/gal	Typical Percent I	Nitrogen:	· ·	
leat Capacity:							BTU/r
ther Fuel Contamir	nants (which may		tion):			<u> </u>	
, tales i dei doi italia.					1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1		
If applicable i			for epoce bootin	g. Annual Aver	200	Marianian	
6. Indicate liquid	or rolld warter a	onereted and me	athad of dispass	n1			•
. Indicate liquid	or solid wastes g	enerated and m	etnoa oi aisposi	ai. 			
<del>-</del>							
<del></del>							
I. Emission Stack				ata for each stack		•	
Stack Height:	24	- + ' 		Stack Diameter:		.5	eriore or en
Gas Flow Rate	e:600		ACFM	Gas Exit Temper	ature:A	mbient	c
Water Vapor C	Content: N/A	j =	· <b>o</b> g	Velocity:	50.96 ↔	• • •	F
· · · · · · · · · · · · · · · · · · ·	1,200		<del></del>			45-15-15-15-15-15-15-15-15-15-15-15-15-15	# s
	Service 1						-
		SECTION	IV: INCINER	ATOR INFORMA	ATION	· ————————————————————————————————————	
				N/A		•••	
Type of Waste	Type O (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq & Gas	Type VI (Solid
	V. 15 / 1.		1000 2000	, , , , , , , , , , , , , , , , , , , ,		By-prod.)	By-prod.)
Lbs/hr	<del></del>						
Incinerated ·					i		<u> </u>
Description of Waste	e	•		-			
Total Weight Incine			· ·	Design Capacity	(lbs/hr)		
Approximate Numb		neration ner day			days/		
Approximate Numb . Manufacturer		peration per day					
		, .					
Date Constructed _				Model No			

DER FORM 17-1.122(16) Page 4 of 10

		<i>-</i>			
	Volume	Heat Release		-uėl	Temperature
	(ft) <sup>3</sup>	(BTU/hr)	Туре	BTU/hr	(OF)
Primary Chamber					
Secondary Chamber					
Stack Height:	· .	ft. Stack Diameter _	: 	Stack Temp	).
Gas Flow Rate:	· · · .	ACFM		_ DSCFM* Velocity_	FP
*If 50 or more tons per c cess air.	day design capa	city, submit the emissio	ns rate in grains p	per standard cubic foot	dry gas corrected to 50% ex
Type of pollution control	device: [ ] C	yclone [ ] Wet Scrub	ber [] Afterbu	ırner [ ] Other (spec	ify)
Brief description of operat	ting characterist	ics of control devices: _			
			_		
• • •					
<i>:</i> ·					
Ultimate disposal of any e	ffluent other th	an that emitted from th	e stack (scrubber	water, ash, etc.):	·
				·	<u> </u>
	· .		-	•	• • •
	••	·			
		• •		•	•
· · · · · · · · · · · · · ·		SECTION V: SUPPLEM	MENTAL REQUI	REMENTS	
					· Maria .

Please provide the following supplements where required for this application.

- 1. Total process input rate and product weight show derivation.
- 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, 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 8½" 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%" 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 8½" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.

OER FORM 17-1.122(16) Page 5 of 10

· -	An application fee of \$20, unless exempted by Section 17-4.05 of Environmental Regulation.	
١.	With an application for operation permit, attach a Certificate structed as shown in the construction permit.	of Completion of Construction indicating that the source was con
	SECTION VI: BEST AVAILABL	LE CONTROL TECHNOLOGY
	•	
	Are standards of performance for new stationary sources pursu [ ] Yes [ ] No	
	Contaminant	Rate or Concentration
:		
	Land to the second seco	
•		
_		
	Has EPA declared the best available control technology for this	is close of sources (If was attach copy) [ ] Vac [ ] No
•		· · · · · · · · · · · · · · · · · · ·
2. 		Rate or Concentration
٠.`		The state of the s
	What emission levels do you propose as best available control t	technology? : 💆 💥
	_	•
	What emission levels do you propose as best available control t  Contaminant	Rate or Concentration
	_	•
	. Contaminant	·
	. Contaminant	•
	. Contaminant	Rate or Concentration
	. Contaminant	Rate or Concentration
-	Contaminant	Rate or Concentration
-	Describe the existing control and treatment technology (if any 1. Control Device/System:	Rate or Concentration
-	Describe the existing control and treatment technology (if any 1. Control Device/System:  2. Operating Principles:	Rate or Concentration
-	Describe the existing control and treatment technology (if any 1. Control Device/System:  2. Operating Principles:  3. Efficiency:  4.	Rate or Concentration
-	Describe the existing control and treatment technology (if any 1. Control Device/System:  2. Operating Principles:  3. Efficiency:  4.  5. Useful Life:  6.	Rate or Concentration  //).  Capital Costs: Operating Costs:
-	Describe the existing control and treatment technology (if any 1. Control Device/System: 2. Operating Principles: 3. Efficiency: 4. 5. Useful Life: 6. 7. Energy: 8.	Rate or Concentration
-	Describe the existing control and treatment technology (if any 1. Control Device/System:  2. Operating Principles:  3. Efficiency:  4.  5. Useful Life:  6.	Rate or Concentration  //).  Capital Costs: Operating Costs:
-	Describe the existing control and treatment technology (if any 1. Control Device/System: 2. Operating Principles: 3. Efficiency: 4. 5. Useful Life: 6. 7. Energy: 8.	Rate or Concentration  //).  Capital Costs: Operating Costs:
-	Describe the existing control and treatment technology (if any 1. Control Device/System:  2. Operating Principles:  3. Efficiency:  4. 5. Useful Life:  7. Energy:  8. 9. Emissions:	Rate or Concentration  Capital Costs: Operating Costs: Maintenance Cost:  Rate or Concentration
-	Describe the existing control and treatment technology (if any 1. Control Device/System:  2. Operating Principles:  3. Efficiency:  4. 5. Useful Life:  7. Energy:  8. 9. Emissions:	Rate or Concentration  (1).  Capital Costs: Operating Costs: Maintenance Cost:  Rate or Concentration
-	Describe the existing control and treatment technology (if any 1. Control Device/System:  2. Operating Principles:  3. Efficiency:  4. 5. Useful Life:  7. Energy:  8. 9. Emissions:  Contaminant	Rate or Concentration  Capital Costs: Operating Costs: Maintenance Cost:  Rate or Concentration
-	Describe the existing control and treatment technology (if any 1. Control Device/System:  2. Operating Principles:  3. Efficiency:  4. 5. Useful Life:  7. Energy:  8. 9. Emissions:	Rate or Concentration  (1).  Capital Costs: Operating Costs: Maintenance Cost:  Rate or Concentration
	Describe the existing control and treatment technology (if any 1. Control Device/System:  2. Operating Principles:  3. Efficiency:  4.  5. Useful Life:  6.  7. Energy:  9. Emissions:  Contaminant	Rate or Concentration  (1).  Capital Costs: Operating Costs: Maintenance Cost:  Rate or Concentration
	Describe the existing control and treatment technology (if any 1. Control Device/System:  2. Operating Principles:  3. Efficiency:  4. 5. Useful Life:  7. Energy:  8. 9. Emissions:  Contaminant	Rate or Concentration  (1).  Capital Costs: Operating Costs: Maintenance Cost:  Rate or Concentration
	Describe the existing control and treatment technology (if any 1. Control Device/System:  2. Operating Principles:  3. Efficiency:  4.  5. Useful Life:  6.  7. Energy:  9. Emissions:  Contaminant	Rate or Concentration  (1).  Capital Costs: Operating Costs: Maintenance Cost:  Rate or Concentration
Ext	Describe the existing control and treatment technology (if any 1. Control Device/System:  2. Operating Principles:  3. Efficiency:  4.  5. Useful Life:  6.  7. Energy:  9. Emissions:  Contaminant	Rate or Concentration  (1).  Capital Costs: Operating Costs: Maintenance Cost:  Rate or Concentration

-

10. 3181	CK / didilieters			
a.	Height:	ft.	b.	Diameter:
C.	Flow Rate:	ACFM	d	Temperature:
· e.	Velocity:	FPS		
. Describe	e the control and treatment technology av	ailable (As i	many	types as applicable, use additional pages if necessary).
1.				•
a.	Control Device:			
b.	Operating Principles:			•
•	• • •			· •
C.	Efficiency*:		d.	Capital Cost:
e.	Useful Life:		f.	Operating Cost:
g.	Energy*:		h.	Maintenance Cost:
i.	Availability of construction materials an	d process ch	nemic	als:
j.	Applicability to manufacturing processe	s:		·
k.	Ability to construct with control device	, install in a	vailab	le space, and operate within proposed levels:
		•		
2.				•
a.	Control Device:			
b.	Operating Principles:			
				• .
c.	Efficiency*:		d.	Capital Cost:
e.	Useful Life:	•	f.	Operating Cost:
g.	Energy **:		h.	Maintenance Costs:
i.	Availability of construction materials ar	nd process cl	hemio	cals:
* . * j.	Applicability to manufacturing processe		- *1 - 1	
k.		e, install in a	vallat	ple space, and operate within proposed levels:
	ethod of determining efficiency.	MARIE A		
	be reported in units of electrical power —	KWH desigi	n rate	
3.				
<b>a</b> .	Control Device:			
b.	Operating Principles:			
C.	Efficiency*:		d.	Capital Cost:
е.	Life:	_	f.	Operating Cost:
g.	Energy:		h.	Maintenance Cost:

ft. o<sub>F</sub>

<sup>\*</sup>Explain method of determining efficiency above.

<ul><li>j. Applicability to manufacturing processes:</li><li>k. Ability to construct with control device, install in a</li></ul>	vailable space and operate within proposed lovels:
	valiable space and operate within proposed levels.
4.	<del>5</del> %
a. Control Device	
b. Operating Principles:	
and the second s	
c. Efficiency*:	d. Capital Cost:
e. Life:	f. Operating Cost:
g. Energy:	h. Maintenance Cost:
i. Availability of construction materials and process c	hemicals:
j. Applicability to manufacturing processes:	
k. Ability to construct with control device, install in a	vailable space, and operate within proposed levels
	variable space, and operate within proposed levels.
Describe the control technology selected:	
1. Control Device:	2 Carried Carrie
2. Efficiency*:	3. Capital Cost:
4. Life:	5. Operating Cost:
6. Energy:	7. Maintenance Cost:
8. Manufacturer:	
9. Other locations where employed on similar processes:	
a.	
(1) Company:	·
(2) Mailing Address:	
(3) City:	(4) State:
(5) Environmental Manager:	The first consist of the way to be expected to the
(6) Telephone No.:	
cplain method of determining efficiency above.	
(7) Emissions*:	·
Contaminant	Rate or Concentration
,	
·	
(9) Process Pata*:	
(8) Process Rate*:	
b.	
(1) Company:	
(2) Mailing Address:	
(3) City:	(4) State:

DER FORM 17-1.122(16) Page 8 of 10

(5)	Environmental Manage
(6)	Telephone No.:

(7) Emissions\*:

Contaminant

Rate or Concentration

(8) Process Rate\*:

10. Reason for selection and description of systems:

<sup>\*</sup>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

А	Company Monitored Data
	1 no sites TSP ( ) SO <sup>2</sup> * Wind spd/dir
	Period of monitoring/ / / to/ / /
	Other data recorded
	Attach all data or statistical summaries to this application.
	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 Unknow
В.	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
٠.	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
U.	
	Pollutant Emission Rate
	TSP grams/sec
	SO <sup>2</sup> grams/sec
Ε.	Emission Data Used in Modeling
	Attach list of emission sources. Emission data required is source name, description on point source (on NEDS point numbe UTM coordinates, stack data, allowable emissions, and normal operating time.
F.	Attach all other information supportive to the PSD review.
	ecify bubbler (B) or continuous (C).
G.	Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, p duction, 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.

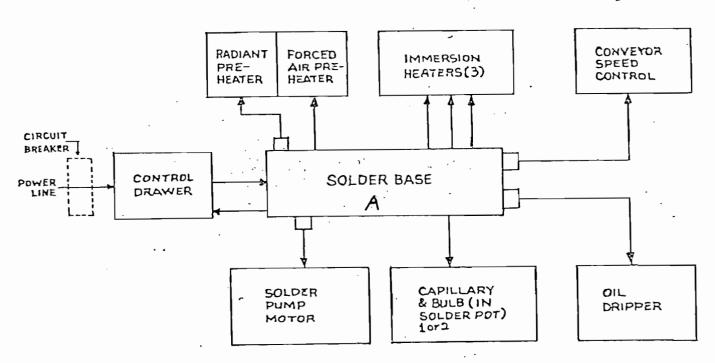
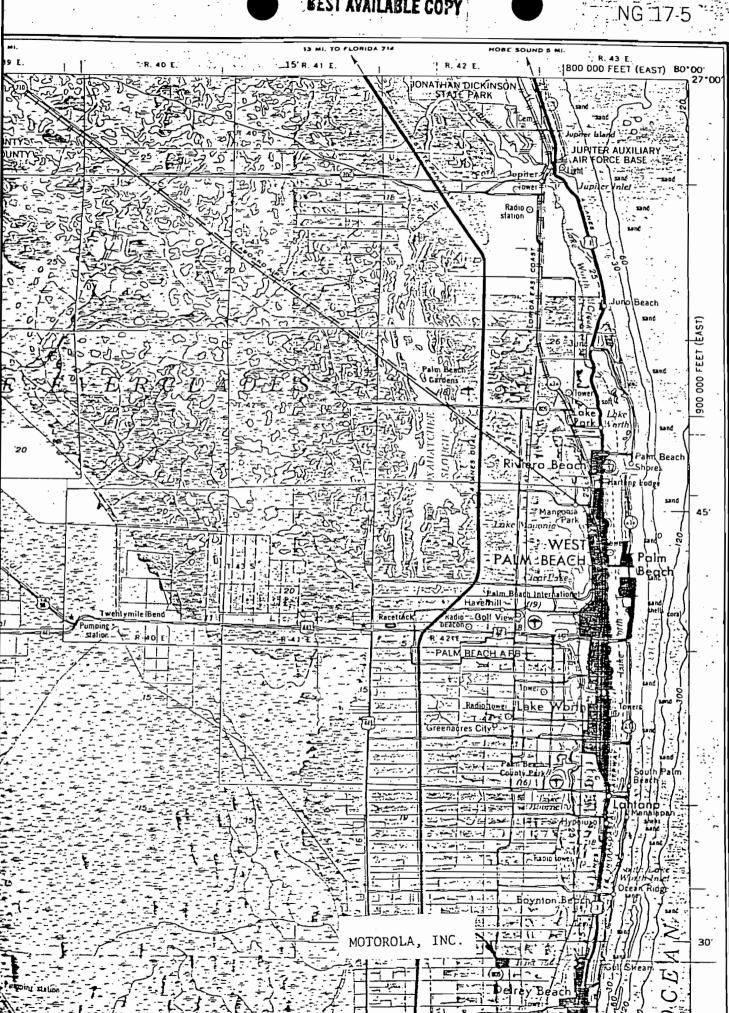
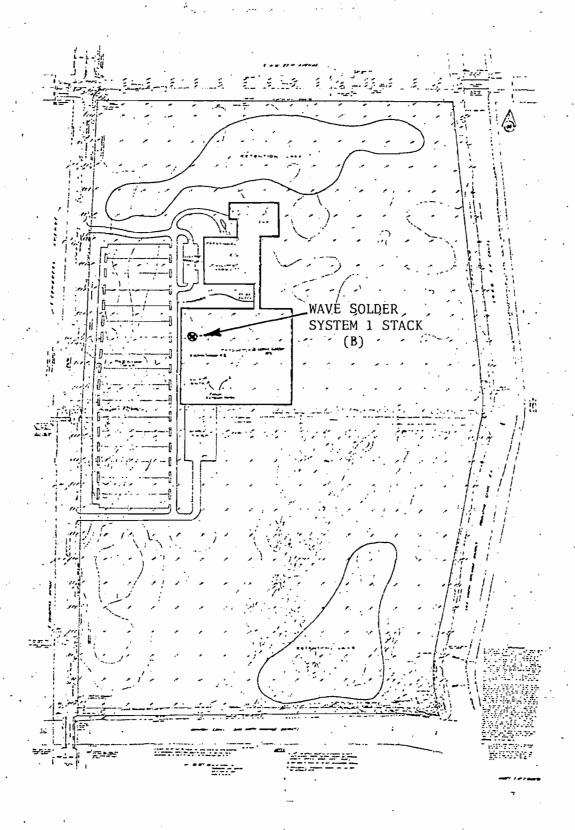


Fig. 1-13 Functional Block Diagram



# BEST AVAILABLE COPY











#### POWER OF ATTORNEY

Know All Men by These Presents, that Motorola, Inc., a corporation—duly organized under the laws of the State of Delaware, authorized and doing business in Florida, and having its principle place of business at Schaumburg, Illinois, does hereby make, constitute and appoint Heery & Heery, Inc., 800 West Peachtree Street, N.W., Atlanta, Georgia, its authorized agent, for it, and in its name, place and stead to compile, prepare, obtain, and deliver any and all submittals, permits, applications and studies in connection with Motorola, Inc.'s Application for Development Approval in connection with that certain real estate described as follows:

A Tract of land described as portions of the southwest one fourth of Section 17, and the northwest one fourth of Section 20, Township 45 South, Range 43 east, Palm Beach County, Florida, lying south of the southerly right-of-way line of Northwest 22 Avenue as described in official records book 1738 at page 1686 of the public records of Palm Beach County, Florida, and east of easterly right-of-way line of Congress Avenue, west of the westerly right-of-way line of the Lake Worth Drainage District equalizing canal E-4 and north of the north right-of-way line of the Lake Worth Drainage District Boynton canal. Said tract of land contains approximately 90 acres more or less.

And to do and perform all and every act and thing whatsoever, requisite, necessary and proper to be done in the premises, as fully, to all intents and purposes, as it might or could do, with full power of substitution and revocation, hereby ratifying and confirming all that its authorized agent, or its substitute, shall lawfully do, or cause to be done, by virtue hereof.

In witness whereof, Motorola, Inc. has caused its corporate name to be subscribed hereto by its vice president.

Morton L. Topfer, (Vice President



# Communications Products Division

January 24, 1980

Mr. Jim Show Environmental Analysis and Design, Inc. 4720 North Orange Blossom Trail Orlando, Florida 32804

Dear Jim:

Current usage of volatile organic compounds (V.O.C.) at the existing Plantation facility has been more carefully analyzed. Chemical usage associated with the products which will be moved to Boynton Beach (exclusive of the chemicals used in conjunction with the wave solder systems) is as follows:

<u>Chemical</u> 5	V.O.C. lb./Week
Plio-Bond Adhesive	0.4 oz.
Bond-Solv Solvent	1.06 lb.
Isopropyl Alcohol	100 1ь.
Acetone	63 1ь.
Red Lacquer	*
Green Lacquer .	*
Eastman 910 Fast Set	.5 lb.
Plio-Bond	.1 lb.
Chlorothane NU (1,1,1,	
Trichloroethane)	Exempt 12/6/79

TOTAL: 165 V.O.C. lb./Week

The plant operates the equivalent of forty-eight weeks each year. There are ten holidays, and production is shutdown for an additional two weeks each summer. (During that time, administrative offices and certain mechanized test operations are open, however, the operations utilizing the above V.O.C.'s are completely shut down.) Therefore, the above usage corresponds to 7,920 V.O.C. lb./year.

<sup>\*</sup> Used in insignificant quantities

Some radio units contain more than one assembled board, and some of the boards are assembled offshore. It is estimated that the existing volume is 60,000 boards/year. This allows us to derive a factor of 0.132 V.O.C. lb./year/board which can be used to project future volumes. At the end of the first year of operation in Boynton Beach (1981), the volume is expected to be approximately 60,000 boards/year. Volume is expected to increase as shown below. The factor for V.O.C. lb./year/board will be held constant. This yields the following:

· <u>Y</u>	ear	Boards/Year	V.O.C. 1b./Year
1:	1981	60,000	7,920
2:	1982	105,000	13,860
3:	1983	122,000	16,104
4:	1984	158,000	20,856
5:	1985	190,000	25,080

The conveyorized wave solder and degreasing systems use two V.O.C.'s; Freon TMS, which DER has exempted, and Kester Solder Flux #1547. The amount of solder flux used in a system depends upon the degree to which it is utilized, however it averages approximately 45 V.O.C. pounds per system per week. These systems are utilized forty-eight weeks per year, corresponding to a total of 2160 V.O.C. lb./year for each system. At the present time, we anticipate installing three such systems on the following time schedule. For the application, an additional six months should be added to each of these dates to allow us some cushion.

System	1	March 198	31
System	2	December	1983
System	3	December	1985

These systems will be vented. Their approximate locations are shown on the attached print. Data on the equipment included in these systems is also attached.

Also shown on the attached print are the estimated locations of other vents. These vents are in areas where there is a somewhat more intensive use of V.O.C. chemicals. However, since there will be no air conditioning exhaust vents, these can be utilized as the outflow points for the general chemical usage addressed on the first page of this letter.

Mr. Jim Show Environmental Analysis and Design, Inc. January 24, 1980 Page - 3 -

The basic hours of operation for all of these V.O.C.'s is 7:00 AM to 3:30 PM, Monday through Friday.

Please let us know as quickly as possible what additional information or documents you will need to prepare these applications.

Sincerely,

Mary Lou Lackey

Manager

Facility Planning

#### attachments:

cc: Dennis Adams
Phil Burroughs
Jack Gesbocker
Fred Hilton
Garth Horne
Jim Hunt
Ray Ochocki
Ralph Parilla



AC 50-28264 (33525/FA).

# STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

# APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Air Pollution	[X] New <sup>1</sup> [ ] Existing <sup>1</sup>
APPLICATION TYPE: [X] Construction [ ] Ope	eration [ ] Modification
COMPANY NAME: Motorola, Inc.	COUNTY: Palm Beach
Identify the specific emission point source(s) addres No. 2, Gas Fired) <u>Circuit Board Assemble</u>	sed in this application (i.e. Lime Kiln No. 4 with Venturi Scrubber; Peeking Unit y 60,000 Boards/Year
SOURCE LOCATION: Street N.W. 22nd	Ave. & Congress Ave. City Boynton Beach, Florida
John B. Ge	North 2936.800  North 2936.800  North 2936.800  Longitude 26 o 32 . 30 . W sbocker, Heery & Heery Architects & Engineers, Inc.  Chtree Street, N.W., Atlanta, Georgia 30309
APPLICANT ADDRESS:	Chilee Street, N.W., Atlanta, Georgia 30303
SECTION I: STA	TEMENTS BY APPLICANT AND ENGINEER
A. APPLICANT	
I am the undersigned owner or authorized repr	esentative* ofMotorola Inc
pollution control source and pollution control Florida Statutes, and all the rules and regulat granted by the department, will be non-transformer permitted establishment.	best of my knowledge and belief. Further, I agree to maintain and operate the of facilities in such a manner as to comply with the provision of Chapter 403, tions of the department and revisions thereof. I also understand that a permit, if erable and I will promptly notify the department upon sale or legal transfer of the  Signed  John B. Gesbocker  Name and Title (Please Type)
Attach letter of authorization	John B. Gesbocker
	Name and Title (Please Type)
•	IN FLORIDA (where required by Chapter 471, F.S.)
be in conformity with modern engineering pr permit application. There is reasonable assura erly maintained and operated, will discharge a gules and regulations of the department. It is a	of this pollution control project have been designed/examined by me and found to inciples applicable to the treatment and disposal of pollutants characterized in the nce, in my professional judgment, that the pollution control facilities, when propon effluent that complies with all applicable statutes of the State of Florida and the also agreed that the undersigned will furnish, if authorized by the owner, the applicance and operation of the pollution control facilities and, applicable, pollution
	John R. Dollar, P.E.
(Affix Seal)	Name (Please Type) Environmental Analysis & Design, Inc.
STATE CF	Company Name (Please Type)  4720 N. Orange Blossom Trail-Orlando, FL 3280  Mailing Address (Please Type)
Florida Registration No. #23458	Date: <b>2-14-80</b> Telephone No. 1/305/295-4131

### . SECTION II: GENERAL PROJECT INFORMATION

formance as a result of installation. State whether the project will result in full compliance. At Light industrial facility designed for manufacturing two	-way hand-held
radios. This facility will be in full compliance with F	
, and the computation with the	DLK II-L.
Schedule of project covered in this application (Construction Permit Application Only)	
Start of Construction June 1980 Completion of Construction	September 1981
Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for project serving pollution control purposes. Information on actual costs shall be furnished permit.)	individual components/units with the application for ope
N/A	•
	· .
	,
Indicate any previous DER permits, orders and notices associated with the emission point, in tion dates.	cluding permit issuance and e
AC 50-25762 Issued 1/14/80	
Expires 12/31/81	
Expires 12/01/01	
and Chapter 22F-2, Florida Administrative Code? X Yes No	nt to Chapter 380, Florida Sta
and Chapter 22F-2, Florida Administrative Code? $\frac{X}{X}$ Yes $\frac{X}{X}$ No Normal equipment operating time: hrs/day $\frac{8.5}{X}$ ; days/wk $\frac{5}{X}$ ; wks/yr $\frac{48}{X}$	nt to Chapter 380, Florida Sta . ; if power plant, hrs/yr
and Chapter 22F-2, Florida Administrative Code? $\frac{X}{X}$ Yes $\frac{X}{X}$ No Normal equipment operating time: hrs/day $\frac{8.5}{X}$ ; days/wk $\frac{5}{X}$ ; wks/yr $\frac{48}{X}$	nt to Chapter 380, Florida Sta . ; if power plant, hrs/yr
and Chapter 22F-2, Florida Administrative Code? $\frac{X}{X}$ Yes $\frac{X}{X}$ No Normal equipment operating time: hrs/day $\frac{8.5}{X}$ ; days/wk $\frac{5}{X}$ ; wks/yr $\frac{48}{X}$	nt to Chapter 380, Florida Sta . ; if power plant, hrs/yr
and Chapter 22F-2, Florida Administrative Code? $X$ Yes No Normal equipment operating time: hrs/day $8.5$ ; days/wk $5$ ; wks/yr $48$	nt to Chapter 380, Florida Sta . ; if power plant, hrs/yr
and Chapter 22F-2, Florida Administrative Code? X Yes No  Normal equipment operating time: hrs/day 8.5; days/wk 5; wks/yr 48  if seasonal, describe:	nt to Chapter 380, Florida Sta . ; if power plant, hrs/yr
and Chapter 22F-2, Florida Administrative Code? X Yes No  Normal equipment operating time: hrs/day 8.5; days/wk 5; wks/yr 48  if seasonal, describe:  If this is a new source or major modification, answer the following questions. (Yes or No)	nt to Chapter 380, Florida Sta . ; if power plant, hrs/yr
And Chapter 22F-2, Florida Administrative Code? X Yes No  Normal equipment operating time: hrs/day 8.5; days/wk 5; wks/yr 48  if seasonal, describe:  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?	nt to Chapter 380, Florida Sta . ; if power plant, hrs/yr
And Chapter 22F-2, Florida Administrative Code? X Yes No  Normal equipment operating time: hrs/day 8.5; days/wk 5; wks/yr 48  if seasonal, describe:  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?  a. If yes, has "offset" been applied?	Yes
and Chapter 22F-2, Florida Administrative Code? X Yes No  Normal equipment operating time: hrs/day 8.5; days/wk 5; wks/yr 48  if seasonal, describe:  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?  a. If yes, has "offset" been applied?  b. If yes, has "Lowest Achievable Emission Rate" been applied?	t to Chapter 380, Florida State.  ; if power plant, hrs/yr  Yes
and Chapter 22F-2, Florida Administrative Code? X Yes No  Normal equipment operating time: hrs/day 8.5; days/wk 5; wks/yr 48  if seasonal, describe:  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?  a. If yes, has "offset" been applied?  b. If yes, has "Lowest Achievable Emission Rate" been applied?  c. If yes, list non-attainment pollutants.	Yes
And Chapter 22F-2, Florida Administrative Code? X Yes No  Normal equipment operating time: hrs/day 8.5; days/wk 5; wks/yr 48  If seasonal, describe:  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?  a. If yes, has "offset" been applied?  b. If yes, has "Lowest Achievable Emission Rate" been applied?	Yes
And Chapter 22F-2, Florida Administrative Code? X Yes No  Normal equipment operating time: hrs/day 8.5; days/wk 5; wks/yr 48  if seasonal, describe:  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?  a. If yes, has "offset" been applied?  b. If yes, has "Lowest Achievable Emission Rate" been applied?  c. If yes, list non-attainment pollutants.  Photochemical Oxidants	Yes
And Chapter 22F-2, Florida Administrative Code? X Yes No  Normal equipment operating time: hrs/day 8.5; days/wk 5; wks/yr 48  If seasonal, describe:  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?  a. If yes, has "offset" been applied?  b. If yes, has "Lowest Achievable Emission Rate" been applied?  c. If yes, list non-attainment pollutants.  Photochemical Oxidants  2. Does best available control technology (BACT) apply to this source? If yes, see Section VI.	Yes  No
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?  a. If yes, has "offset" been applied?  b. If yes, has "Lowest Achievable Emission Rate" been applied?  c. If yes, list non-attainment pollutants.  Photochemical Oxidants  2. Does best available control technology (BACT) apply to this source? If yes, see Section VI.  3. Does the State "Prevention of Significant Deterioriation" (PSD) requirements	Yes  No  No  No
and Chapter 22F-2, Florida Administrative Code?	Yes  No  No  No

DER FORM 17-1.122(16) Page 2 of 10

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

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

Danishina	Contan	ninants	Utilization			
Description :	Type .	% Wt	Rate - <del>lbo/lw</del> 1b/wk	Relate to Flow Diagram		
Plio-Bond Adhesive	VOC		0.025			
Bond-Soly Solvent	VOC		1.06			
Isopropyl Alcohol	VOC		100			
Acetone	VOC		63			
Eastman 910 Fast Set	VOC		0.5			
Plio Rond	VOC		0.1			

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

1. Total Process Input Rate (lbs/hr): 60,000 Boards/Year (3.87 lbs/hour of chemicals)

2. Product Weight (lbs/hr): \_\_\_\_ N/A

## C. Airborne Contaminants Emitted:

	Emission <sup>1</sup>		Allowed Emission <sup>2</sup>	· Allowable <sup>3</sup>	Potential Emission <sup>4</sup>		Relate	
Name of Contaminant	Maximum /	Actual T/yr	Rate per Ch. 17-2, F.A.C.	Emission lbs/hr	lbs/hr	T/yr	to Flow Diagram	
Hydrocarbon	3.87 3	3.95	N/A_		3.87	3.95	В	
	**							
			-					
			·.			· .		

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

the state of the second

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles <sup>5</sup> Size Collected . (in microns)	Basis for Efficiency (Sec. V, It <sup>5</sup>
_	·			- ,,
				• •••
			• • • • • • • • • • • • • • • • • • • •	·- ·•
	· · · · · · · · · · · · · · · ·			
	:			

<sup>&</sup>lt;sup>1</sup>See Section V, Item 2.

DER FORM 17-1.122(16) Page 3 of 10

<sup>&</sup>lt;sup>2</sup>Reference applicable emission standards and units (e.g., Section 17-2.05(6) Table II, E. (1), F.A.C. — 0.1 pounds per million BTU heat input)

<sup>&</sup>lt;sup>3</sup>Calculated from operating rate and applicable standard

<sup>&</sup>lt;sup>4</sup>Emission, if source operated without control (See Section V, Item 3)

<sup>5&</sup>lt;sub>If Applicable</sub>

E. Fuels	•

Type (Be Specific)	Consum	nption*	Maximum Heat Input
Type (Be Specific)	avg/hr	max./hr	Maximum Heat Input (MMBTU/hr) ,
January Stage Control of the Control		, ,	11.

	BTU/gal
Percent Sulfur:   Percent Ash:	BTU/gal
Percent Sulfur:   Percent Ash:	BTU/gal
Density:	BTU/gal
Heat Capacity:	BTU/gal
Other Fuel Contaminants (which may cause air pollution):  F. If applicable, indicate the percent of fuel used for space heating. Annual Average Maximum _	
F. If applicable, indicate the percent of fuel used for space heating. Annual Average Maximum _	
.,	
Stack Height: 24	ft.
N/A	
Type of Waste Type O (Plastics) Type I (Rubbish) Type II (Refuse) Type III Type III Type IV (Pathological) Type V (Liq & Gas By-prod.)	Type VI (Solid By-prod.)
I be/br	سون بالمعمومية الوالي ا
Lbs/hr incinerated	
Description of Waste	
Total Weight Incinerated (lbs/hr) Design Capacity (lbs/hr)	
Approximate Number of Hours of Operation per day days/week	· we
Manufacturer	
Date Constructed Model No	

	Volume	Heat Release	F	uel	Temperature	
.,	(ft)3	(BTU/hr)	Туре	BTU/hr	(OF)	
Primary Chamber						
Secondary Chamber					· .	
Stack Height:		ft. Stack Diameter _	· .		np	
					FI	
•					t dry gas corrected to 50% e	
Type of pollution control	device: [ ] C	yclone [ ] Wet Scrub	ber [] Afterbu	rner [ ] Other (spe	cify)	
Brief description of opera	ting characterist	ics of control devices: _				
· .						
	٠					
Ultimate disposal of any e				water, ash, etc.):		
		r State Control Sept.		·		
				·		
<u> </u>			<u> </u>			
					<u>.</u>	
	,					

Please provide the following supplements where required for this application.

1. Total process input rate and product weight – show derivation.

- 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, etc.).
- 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%" 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%" 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 8½" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.

, 9.	An application fee of \$20, unless exempted by Section 1	7-4.05(3), F.A.C. The check should be made payable to the Departme
	of Environmental Regulation.	
10.	With an application for operation permit, attach a CertIf structed as shown in the construction permit.	icate of Completion of Construction indicating that the source was co
	SECTION VI: BEST AVAI	N/A LABLE CONTROL TECHNOLOGY
• •	that is shake in the control of the con-	The second of th
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
-	to the second second second second	
	and the second of the second o	
	<u> </u>	
•	· -	· ·
В.	Has EPA declared the best available control technology for	or this class of sources (If yes, attach copy) [ ] Yes [ ] No
خعر	Contaminant	Rate or Concentration
•.		
		<del></del>
•		
C.	What emission levels do you propose as best available cor	
	Contaminant	Rate or Concentration
<b></b>		
D.		if any).
D.	1. Control Device/System:	if any).
D.	<ol> <li>Control Device/System:</li> <li>Operating Principles:</li> </ol>	
D.	<ol> <li>Control Device/System:</li> <li>Operating Principles:</li> <li>Efficiency: *</li> </ol>	4. Capital Costs:
D.	<ol> <li>Control Device/System:</li> <li>Operating Principles:</li> <li>Efficiency: *</li> <li>Useful Life:</li> </ol>	4. Capital Costs: 6. Operating Costs:
D.	<ol> <li>Control Device/System:</li> <li>Operating Principles:</li> <li>Efficiency: *</li> <li>Useful Life:</li> <li>Energy:</li> </ol>	4. Capital Costs:
D.	<ol> <li>Control Device/System:</li> <li>Operating Principles:</li> <li>Efficiency: *</li> <li>Useful Life:</li> </ol>	4. Capital Costs: 6. Operating Costs:
D.	<ol> <li>Control Device/System:</li> <li>Operating Principles:</li> <li>Efficiency: *</li> <li>Useful Life:</li> <li>Energy:</li> </ol>	4. Capital Costs: 6. Operating Costs:
D.	<ol> <li>Control Device/System:</li> <li>Operating Principles:</li> <li>Efficiency: *</li> <li>Useful Life:</li> <li>Energy:</li> <li>Emissions:</li> </ol>	4. Capital Costs: 6. Operating Costs: 8. Maintenance Cost:
D.	<ol> <li>Control Device/System:</li> <li>Operating Principles:</li> <li>Efficiency:         <ul> <li>Useful Life:</li> <li>Energy:</li> <li>Emissions:</li> </ul> </li> </ol>	4. Capital Costs: 6. Operating Costs: 8. Maintenance Cost:
	<ol> <li>Control Device/System:</li> <li>Operating Principles:</li> <li>Efficiency:         <ul> <li>Useful Life:</li> <li>Energy:</li> <li>Emissions:</li> </ul> </li> </ol>	4. Capital Costs: 6. Operating Costs: 8. Maintenance Cost: Rate or Concentration
	<ol> <li>Control Device/System:</li> <li>Operating Principles:</li> <li>Efficiency: *</li> <li>Useful Life:</li> <li>Energy:</li> <li>Emissions:</li> </ol> Contaminant	4. Capital Costs: 6. Operating Costs: 8. Maintenance Cost: Rate or Concentration
	<ol> <li>Control Device/System:</li> <li>Operating Principles:</li> <li>Efficiency: *</li> <li>Useful Life:</li> <li>Energy:</li> <li>Emissions:</li> </ol> Contaminant	4. Capital Costs: 6. Operating Costs: 8. Maintenance Cost: Rate or Concentration
	<ol> <li>Control Device/System:</li> <li>Operating Principles:</li> <li>Efficiency: *</li> <li>Useful Life:</li> <li>Energy:</li> <li>Emissions:</li> </ol> Contaminant	4. Capital Costs: 6. Operating Costs: 8. Maintenance Cost: Rate or Concentration
• 6	<ol> <li>Control Device/System:</li> <li>Operating Principles:</li> <li>Efficiency: *</li> <li>Useful Life:</li> <li>Energy:</li> <li>Emissions:</li> </ol> Contaminant	4. Capital Costs: 6. Operating Costs: 8. Maintenance Cost: Rate or Concentration

	a.	Height:		ft.	b.	Diameter:	
	-1. °. C.	Flow Rate:	** *	ACFM	d.	Temperature:	•
	e.	• • • • • • • • • • • • • • • • • • • •		FPS	u.	remperature.	•
E.			ment technology av		manv	types as applicable use a	additional pages if necessary)
	1.	be the control and treat	·	anabic (As		types as applicable, use a	additional pages if fiecessary)
	a.	; Control Device:					
	b.						
		·					•
	 c.	Efficiency*:			d.	Capital Cost:	
	e.	Useful Life:			f.	Operating Cost:	•
	g.	Energy*:			h.	Maintenance Cost:	
	i.	Availability of constr	uction materials and	d process ch	nemic	als:	
	•						
	j.	Applicability to manu	ufacturing processes	s:			
	k.	Ability to construct v	with control device,	install in a	/ailab	le space, and operate with	nin proposed levels: .
	2.						
	a.	Control Device:					
	b	Operating Principles:					
		•		• •			
	c.	Efficiency*:	₹		d.	Capital Cost:	
	e.	Useful Life:			f.	Operating Cost:	
	9.	Energy **:	•		h.	Maintenance Costs:	
	i.	Availability of constr	ruction materials an	d process ch	nemic	als:	
	•	Applicability to man	ufacturing processes	c·			• •
	, k				vailah	le space, and operate with	nin proposed levels
	. "	. Ability to construct	······· do://i.d. do://do.	,	· Uniqu	ic.space, and operate with	in proposed levels.
•	Explain n	nethod of determining e	fficiency.				
		be reported in units of		KWH desigr	n rate	·	
	3.					•	
	а	. Control Device:					
	b						
							••
	c	Efficiency*:			d.	: Capital Cost:	
	e		_		f.	Operating Cost:	ν,
	9	pa-			h.	Maintenance Cost:	·
	3						

ft. OF

<sup>\*</sup>Explain method of determining efficiency above.

<ol> <li>Availability of construction materials and process ch</li> </ol>	hemica	lls:		
j. Applicability to manufacturing processes:				
k. Ability to construct with control device, install in a	vailabl	e space and operate within prop	osed levels:	
4.		un en		
a. Control Device				
b. Operating Principles:				
C##inlaman *	d.	Capital Cost:		
c. Efficiency*:	f.	Operating Cost:		
e. Life:	h.	Maintenance Cost:		
<ul><li>g. Energy:</li><li>i. Availability of construction materials and process of</li></ul>				
, Availability of definition in the process of				
j. Applicability to manufacturing processes:				
k. Ability to construct with control device, install in a	vailabl	e space, and operate within pro	posed levels	:
Describe the control technology selected:			•	
1. Control Device:				•
2. Efficiency*:	3.	Capital Cost:		
4. Life:	5.	Operating Cost:	٠.	
6. Energy:	7.	Maintenance Cost:		•
8. Manufacturer:				
9. Other locations where employed on similar processes:				
a.		•		
(1) Company:				
(2) Mailing Address:				
(3) City:	(4)	State:		
(5) Environmental Manager:				· · · · · · · · · · · · · · · · · · ·
(6) Telephone No.:		•		
*Explain method of determining efficiency above.				
(7) Emissions*:				•
Contaminant		Rate or Cond	entration	
·			·	
(8) Process Rate*:			•	
b.				
(1) Company:			7	
(2) Mailing Address:			. •	• · · · • .
(E) Highling Addicase				
(3) City:	IAI	State:		

L DER FORM 17-1.122(16) Page 8 of 10

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١	(5)	LIIV	ironme	Hai	1410110	yeı

- (6) Telephone No.:
- (7) Emissions\*:

Contaminant

Rate or Concentration

(8) Process Rate\*:

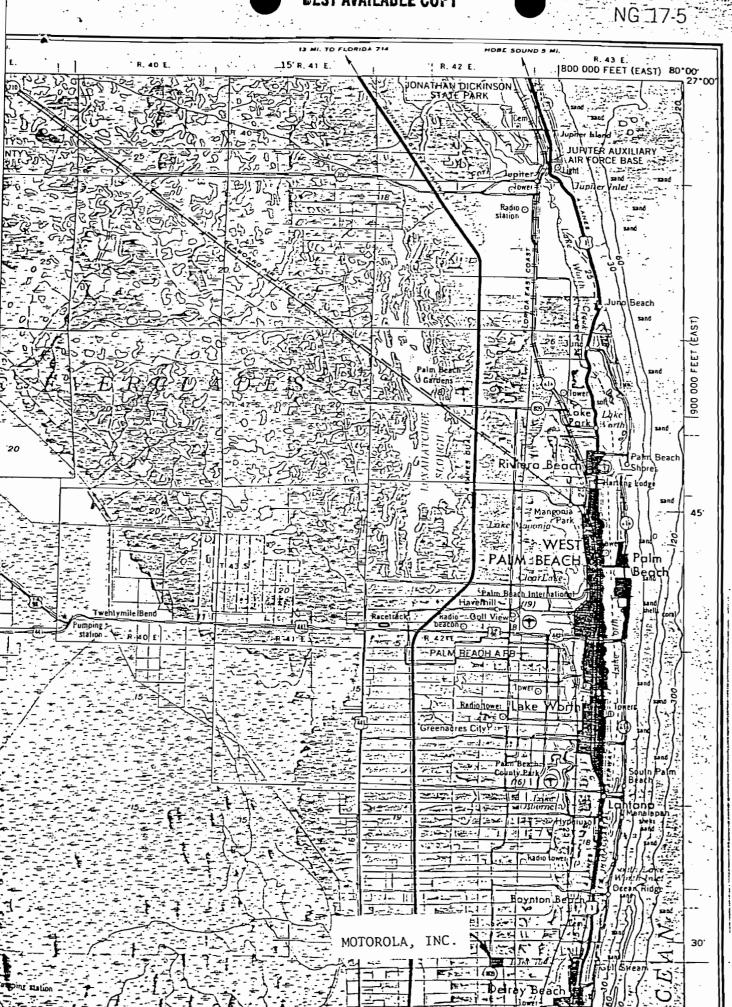
10. Reason for selection and description of systems:

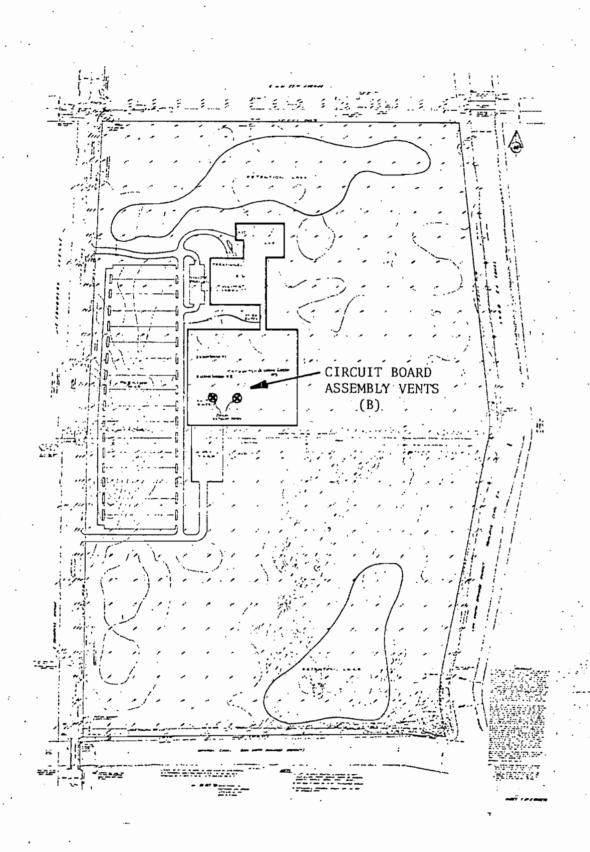
<sup>\*</sup>Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

## SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION

A.	Company Monitored Data						
	1 no sites	TSP		( ) so <sup>2</sup> *	· · · · · ·	_ Wind spd/dir	1
	Period of monitoring	/ month day	/	to	<u> </u>	_	
				4.			
	Other data recorded						
	Attach all data or statistica	I summaries to th	is application	n.			
	2. Instrumentation, Field and	Laboratory					
	a) Was instrumentation	EPA referenced	or its equivale	nt?	Yes1	No ·	
	b) Was instrumentation	calibrated in acce	ordance with	Department	procedures?	Yes 1	ło Unknowi
В.	Meteorological Data Used for						
	<del>-</del>			to .	/ /		
	1 Year(s) of data from	month day	y year	month	day year	<del>-</del>	
	2. Surface data obtained from	ı (location)		_			
	3. Upper air (mixing height) o	lata obtained fro	m (location) .			4 1	_
	4. Stability wind rose (STAR	) data obtained fi	rom (location	)	•		· · ·
C.	Computer Models Used					, <b>`.</b> .	•
	1					Modified? If y	es attach description
	2					Modified? If y	
	•					Modified? If y	
	3				_		
	4	· _				Modified? If y	es, attach description
	Attach copies of all final mod	_		ceptor locati	ons, and princi	ple output tables.	
D.	Applicants Maximum Allowa	ole Emission Data	a '	•			
	Poll	utant			Emission	Rate	•
	, , T	SP	· -			grams/s	ec
	S	O <sup>2</sup>	· -		· · · · · · · · · · · · · · · · · · ·	grams/s	ec
E.	Emission Data Used in Model	ing					
•	Attach list of emission source UTM coordinates, stack data,	es. Emission data allowable emissi	a required is ons, and norn	source name nal operating	e, description o g time	on point source (on	NEDS point number
F.	Attach all other information	supportive to the	PSD review.				
*Spe	ecify bubbler (B) or continuous	s (C).					
G.	Discuss the social and econo duction, taxes, energy, etc.).	mic impact of th	ne selected ten	chnology ve ronmental ir	rsus other appl npact of the so	icable technologies ( urces.	i.e., jobs, payroll, pro
·							• •
					ě		
			٠		·	• • •	
. •	•	•-					
			• ••				
							· . —

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.





GODERNY.







#### POWER OF ATTORNEY

Know All Men by These Presents, that Motorola, Inc., a corporation—duly organized under the laws of the State of Delaware, authorized and doing business in Florida, and having its principle place of business at Schaumburg, Illinois, does hereby make, constitute and appoint Heery & Heery, Inc., 800 West Peachtree Street, N.W., Atlanta, Georgia, its authorized agent, for it, and in its name, place and stead to compile, prepare, obtain, and deliver any and all submittals, permits, applications and studies in connection with Motorola, Inc.'s Application for Development Approval in connection with that certain real estate described as follows:

A Tract of land described as portions of the southwest one fourth of Section 17, and the northwest one fourth of Section 20, Township 45 South, Range 43 east, Palm Beach County, Florida, lying south of the southerly right-of-way line of Northwest 22 Avenue as described in official records book 1738 at page 1686 of the public records of Palm Beach County, Florida, and east of easterly right-of-way line of Congress Avenue, west of the westerly right-of-way line of the Lake Worth Drainage District equalizing canal E-4 and north of the north right-of-way line of the Lake Worth Drainage District Boynton canal. Said tract of land contains approximately 90 acres more or less.

And to do and perform all and every act and thing whatsoever, requisite, necessary and proper to be done in the premises, as fully, to all intents and purposes, as it might or could do, with full power of substitution and revocation, hereby ratifying and confirming all that its authorized agent, or its substitute, shall lawfully do, or cause to be done, by virtue hereof.

In witness whereof, Motorola, Inc. has caused its corporate name to be subscribed hereto by its vice president.

Morton L. Topfer, (Vice President





# Communications Products Division

January 24, 1980

Mr. Jim Show Environmental Analysis and Design, Inc. 4720 North Orange Blossom Trail Orlando, Florida 32804

Dear Jim:

Current usage of volatile organic compounds (V.O.C.) at the existing Plantation facility has been more carefully analyzed. Chemical usage associated with the products which will be moved to Boynton Beach (exclusive of the chemicals used in conjunction with the wave solder systems) is as follows:

Chemical	V.O.C. 1b./Week
Plio-Bond Adhesive Bond-Solv Solvent Isopropyl Alcohol Acetone Red Lacquer Green Lacquer Eastman 910 Fast Set Plio-Bond Chlorothane NU (1,1,1,	0.4 oz. 1.06 lb. 100 lb. 63 lb. * * .5 lb. .1 lb.
Trichloroethane)	Exempt 12/6/79

TOTAL: 165 V.O.C. 1b./Week

# \* Used in insignificant quantities

The plant operates the equivalent of forty-eight weeks each year. There are ten holidays, and production is shutdown for an additional two weeks each summer. (During that time, administrative offices and certain mechanized test operations are open, however, the operations utilizing the above V.O.C.'s are completely shut down.) Therefore, the above usage corresponds to 7,920 V.O.C. lb./year.

Some radio units contain more than one assembled board, and some of the boards are assembled offshore. It is estimated that the existing volume is 60,000 boards/year. This allows us to derive a factor of 0.132 V.O.C. lb./year/board which can be used to project future volumes. At the end of the first year of operation in Boynton Beach (1981), the volume is expected to be approximately 60,000 boards/year. Volume is expected to increase as shown below. The factor for V.O.C. lb./year/board will be held constant. This yields the following:

Year		Boards/Year	V.O.C. 1b./Year	
1:	1981	60,000	7,920	
2:	1982	105,000	13,860	
3:	1983	122,000	16,104	
4:	1984	158,000	20,856	
5:	1985	190,000	25,080	

The conveyorized wave solder and degreasing systems use two V.O.C.'s; Freon TMS, which DER has exempted, and Kester Solder Flux #1547. The amount of solder flux used in a system depends upon the degree to which it is utilized, however it averages approximately 45 V.O.C. pounds per system per week. These systems are utilized forty-eight weeks per year, corresponding to a total of 2160 V.O.C. lb./year for each system. At the present time, we anticipate installing three such systems on the following time schedule. For the application, an additional six months should be added to each of these dates to allow us some cushion.

System	1	March 198	31
System	2	December	1983
System	3	December	1985

These systems will be vented. Their approximate locations are shown on the attached print. Data on the equipment included in these systems is also attached.

Also shown on the attached print are the estimated locations of other vents. These vents are in areas where there is a somewhat more intensive use of V.O.C. chemicals. However, since there will be no air conditioning exhaust vents, these can be utilized as the outflow points for the general chemical usage addressed on the first page of this letter.

Mr. Jim Show Environmental Analysis and Design, Inc.

January 24, 1980 Page - 3 -

The basic hours of operation for all of these V.O.C.'s is 7:00 AM to 3:30 PM, Monday through Friday.

Please let us know as quickly as possible what additional information or documents you will need to prepare these applications.

Sincerely,

Mary Lou Lackey

Manager

Facility Planning

## attachments:

cc: Dennis Adams
Phil Burroughs
Jack Gesbocker
Fred Hilton
Garth Horne
Jim Hunt
Ray Ochocki
Ralph Parilla

3301 GUN CLUB ROAD P.O. BOX 3858 WEST PALM BEACH, FLORIDA 33402



BOB GRAHAM

JACOB D. VARN SECRETARY

WARREN G. STRAHM SUBDISTRICT MANAGER

#### STATE OF FLORIDA

# DEPARTMENT OF ENVIRONMENTAL REGULATION

#### SOUTH FLORIDA SUBDISTRICT

November 2, 1979

Palm Beach County Motorola, Inc.

Mr. Sam Shannon, Executive Director Treasure Coast Regional Planning Council Post Office Box 2395 Stuart, Florida 33494

Dear Mr. Shannon:

Your letter of October 22, 1979 to Scott Benyon of this office requested that the Subdistrict provide you with information or comment on the proposed Motorola, Inc. project in Boynton Beach. Attached you will find copies of correspondence between this office and Motorola, Inc. on the subject project.

The following summarizes the correspondence:

- Department permits for complex source emission, volatile organic compound (VOC) emission, dredge and fill construction and domestic wastewater collection system construction are required for the Motorola, Inc. project.
- Department approval of Motorola, Inc.'s spill containment provisions is required.
- 3. If Motorola, Inc. complies with South Florida Water Management criteria outlined in Chapter 16K, Florida Administrative Code (F.A.C.), then pursuant to Section 17-4.248, F.A.C., Motorola, Inc. would not be subject to Department licensing of the proposed stormwater discharge(s).
- 4. Motorola, Inc.'s anticipated volume of potential VOC emissions exceeds the threshold established for the processing of corresponding air emission permit applications by DER District/Subdistrict offices. The VOC permit application processing for the Motorola, Inc. project will be by the Department's Bureau of Air Quality Management in Tallahassee.

original typed on 100% recycled paper

Page 2 Mr. Sam Shannon November 2, 1979

Ms. Mary Lou Lackey, Facility Planning Manager for Motorola, Inc., has been informed of all of these requirements. To date the Subdistrict has received a dredge and fill permit application from Motorola, Inc. and Department processing of the application request has begun.

Your letter also expressed a desire that the Department provide representation at the December 7, 1979 Council meeting. A representative(s) of the Subdistrict will attend the meeting in question and will be available to respond to questions relative to the Subdistrict's needs and responsibility(s) in this matter. By copy of this letter I am also notifying the Department's Bureau of Air Quality Management of your desire so that representation, if possible, from the appropriate VOC permitting staff can be provided.

Sincerely,

Warren G. Strahm Subdistrict Manager

WGS:sbs

Enclosures

Steve Smallwood, Bureau of Air Quality Management, DER/Tallahassee Palm Beach County Health Department

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Page 2 of 2

State of Florida

DEPARTMENT OF ENVIRONMENTAL REGISLATION

OCT 1979

To: Loctn:

RECEL Strom: Date:

TO:

Mr. Scott Benyon,

Consultant, S. Florida Subdistrict

FROM:

Bruce Johnson, Industry Development Coordinator

DATE:

October 26, 1979

SUBJECT:

Motorola (Boynton Beach)

Several weeks ago, Jake Varn made a decision that on industrial development projects that Sonny Vergara and I have been involved with, we should get out of the picture once the project gets to the permitting application stage and let the Division of Permitting handle it from that point.

Therefore, in compliance with the above policy change, I am sending you this letter from Sam Shannon, Executive Director of the Treasure Coast Regional Planning Council, to handle. Many thanks for your past excellent cooperation on this project.

BJ/la Attachment

cc: Mr. Sam Shannon

Mr. John Outland

Mr. Steve Smallwood

Mr. Sonny Vergara

st. lucie martin

October 22, 1979

Mr. Bruce Johnson
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, FL 32301

Dear Mr. Johnson Store

The Application for Development Approval (ADA) filed by Motorola for the proposed manufacturing, development and administrative facility in Boynton Beach has been reviewed and recently found sufficient for the Council to carry out the assigned responsibilities according to Section 380.06 F.S. It is anticipated that the required notice of public hearing will be received from the City of Boynton Beach in the very near future. Thus, the Council should be considering the ADA at its December 7 meeting.

In order to assure that the Council's report and recommendation be as complete and responsive to all potential issues as possible, it is requested that your agency provide us with any information or comments on the proposed development. This request is being made to provide an opportunity for any potentially affected agency or jurisdiction to raise concerns or issues and to increase the coordination of the review process. In order for the Council to have a reasonable period of time to adequately consider your input it is requested that your comments, if any, be received by November 13.

Finally, it is requested that your staff be available to answer questions and supply information or data that may be necessary for the Council to review the project and its potential impact. This request is made regardless of any specific effort your agency may wish to make in offering direct comment on the project.

I thank you for any assistance you are able to provide the Council in this matter.

Yours truly,

Sam Shannon Executive Director

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