

WARRICK COUNTY COUNCIL RESOLUTION NO. 2003-04

**A RESOLUTION CONFIRMING THE DECLARATION OF AN  
ECONOMIC REVITALIZATION AREA FOR PROPERTY  
TAX ABATEMENT**

WHEREAS, Alcoa, Inc., has made application for Economic Revitalization Area designation pursuant to IC 6-1.1-12.1

et seq, and Warrick County Council Resolution 2003-03 (the "Tax Abatement Resolution") for the property located at Warrick Operations, Highway 66, Newburgh, Warrick County, Indiana and described as:

Property located south of Highway 66, west of the Yankeetown railroad line, north of Ohio River and east of Vanada Road at Heritage Federal Credit Unit.

WHEREAS, heretofore on the 3rd day of April, 2003, under provision of Resolution 2003-03, the Warrick County Council found the above-described property to meet the requirements of an Economic Revitalization Area pursuant to IC 6-1.1-12.1 et seq and declared said property to be an Economic Revitalization Area; and

WHEREAS, notice of the adoption and substance of the above-mentioned resolution has been published in accordance with IC 5-3-1 and the Warrick County Council has conducted a public hearing as of the date hereof to determine whether the qualifications for an economic revitalization are have been met;

NOW, THEREFORE, BE IT RESOLVED by the Warrick County Council as follows:

Section 1. The property which is located at highway 66, Newburgh, Indiana and more particularly described in the attached Exhibit "A" which is made a part hereof.

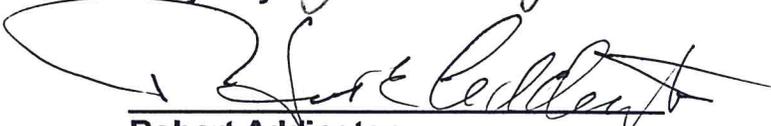
Section 2. Resolution 2003-03 which was adopted by the County Council on the 3rd day of April, 2003, is hereby confirmed.

Section 3. This Resolution shall be in full force and effect from and after its passage and execution by the County Council.

PASSED this 3rd day of April, 2003.

**WARRICK COUNTY COUNCIL**

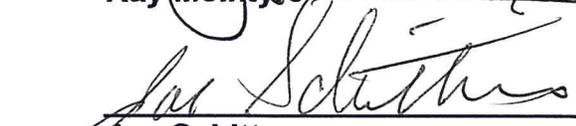
  
\_\_\_\_\_  
**Gary Meyer**

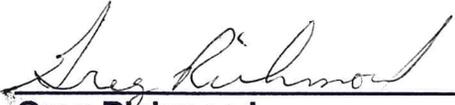
  
\_\_\_\_\_  
**Robert Addington**

  
\_\_\_\_\_  
**Raymond Bracher**

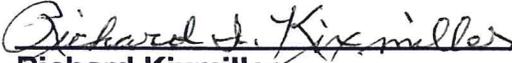
\_\_\_\_\_  
**David Hachmeister**

  
\_\_\_\_\_  
**Ray McIntyre**

  
\_\_\_\_\_  
**Joe Schitter**

  
\_\_\_\_\_  
**Greg Richmond**

**ATTEST:**

  
\_\_\_\_\_  
**Richard Kixmiller**  
**Warrick County Auditor**

## NOTICE OF PUBLIC HEARING

The Warrick County Council will hold a public hearing as part of its regularly scheduled monthly meeting at 6:00 p.m. on the 3<sup>rd</sup> day of April 2003, at 107 W. Locust St., Ste. 301 (Commissioner's Meeting Room), Boonville, Indiana, 47601, relative to the adoption by the Warrick County Council of a proposed Preliminary Resolution declaring property located at the intersections of Highways 61 and 66, Newburgh, Indiana, and generally known as Alcoa Warrick Operations to be an Economic Revitalization Area and subject to a tax deduction for new manufacturing equipment to be used for the production of rolled aluminum sheet pursuant to IC 6-1.1-12.1 et seq. A detailed description of the affected area is available and can be inspected in the office of the Warrick County Assessor. At that public hearing, the Warrick County Council might also suspend its rules and take final action determining whether the subject property satisfies the qualification for property tax reduction, and if such rules are suspended and that action is taken, the Warrick County Council will either confirm, modify and confirm, or rescind the aforementioned Resolution. The public is invited to attend and comment on any matters herein noted. The Warrick County Council will receive and hear all remonstrances and objections from interested persons at this public hearing.

Dated this 11<sup>th</sup> day of March 2003.

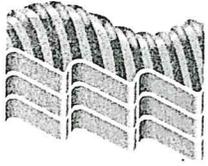
WARRICK COUNTY COUNCIL  
Gary Meyer, President

**NOTICE OF PUBLIC HEARING**

The Warrick County Council will hold a public hearing as part of its regular scheduled monthly meeting at 6:00 p.m. on the 3rd day of April 2003, at 107 W. Locust St., Ste 801 (Commissioner's Meeting Room), Boonville, Indiana, 47601, relative to the adoption by the Warrick County Council of a proposed Preliminary Resolution declaring property located at the intersections of Highways 81 and 66, Newburgh, Indiana, and generally known as Alcoa Warrick Operations to be an Economic Revitalization Area and subject to a tax deduction for new manufacturing equipment to be used for the production of rolled aluminum sheet pursuant to IC 8-1.1-12.1 et seq. A detailed description of the affected area is available and can be inspected in the office of the Warrick County Assessor. At the public hearing, the Warrick County Council might also suspend its rules and take final action determining whether the subject property satisfies the qualification for property tax reduction, and if such rules are suspended and that action is taken, the Warrick County Council will either confirm, modify and confirm, or rescind the aforementioned Resolution. The public is invited to attend and comment on any matters herein noted. The Warrick County Council will receive and hear all remonstrances and objections from interested persons at this public hearing.

Dated this 11th day of March 2003.  
WARRICK COUNTY COUNCIL  
Gary Meyer, President

↑  
This is the legal  
that ran for  
Area. It  
ran on 3/20/03



**W**arrick  
County  
INDIANA

## *Economic Development Department*

**"A GREAT PLACE TO GROW"**

March 24, 2003

Warrick County Council  
% Mr. Richard Kixmiller  
Warrick County Auditor  
Warrick County Judicial Center  
Boonville, IN 47601

Re: Alcoa, Inc. Warrick Operations & Alcoa Power Generating, Inc.  
Tax Abatement

Dear Mr. Kixmiller:

At the February 20, 2003 EDAC Board Meeting, Mr. Mel Lager presented the Board with Alcoa's tax abatement request for new manufacturing equipment. The EDAC Board gave their approval to forward their request to the County Council for their decision for tax abatement.

I have reviewed the Application for its completeness and accuracy. The Application, the Preliminary Resolution, the Confirming Resolution, Statement of Benefits, the Point Criteria, and the Legal Description are enclosed for the introduction to the County Council at their April 3, 2003 meeting.

Alcoa advertised both the Preliminary and the Confirming Resolution in the Newburgh/Chandler Register and the Boonville Standard on March 20, 2003.

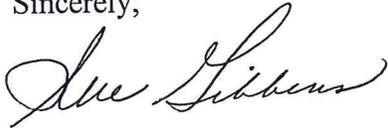
The Point System Scoring is based on the information which was stated in the Application as well as questions which were addressed at the February 20 meeting. The total points are 75 as indicated on the point score sheet. Seventy-five (75) points would support a tax abatement of 5 years. Please note that rebuilding the furnace means that Warrick will not import carbon from other plants, saving fifty-four (54) jobs. The investment in the plant also lends longer life to the smelting operation where 800+ Alcoans work.

**P.O. Box 875 • Newburgh, IN 47629-0875**

**TEL: 812-858-3555 • FAX: 812-858-3558 • e-mail: [bizinfo@warrick-edd.org](mailto:bizinfo@warrick-edd.org)**

While final determination of tax abatement can only be made by the County Council, the EDAC Board and the Department of Economic Development support the project Alcoa has proposed and feel that it will greatly benefit Warrick County.

Sincerely,

A handwritten signature in cursive script that reads "Sue Gibbens".

Sue Gibbens, CEcD  
Executive Director

Enclosures

CC: Gary Meyer, DDS – President County Council  
Alcoa



6. Current Use of Property:

- A. How is property currently being used? The property is home to Alcoa, Inc. Warrick Operations and Alcoa Power Generating, Inc. where power is generated for the smelting of aluminum, which is rolled to aluminum sheet.
- B. What structures are currently on the property? A variety of buildings, offices, power generation facilities, and equipment vital to the manufacture of rolled aluminum sheet.
- C. What is the condition of the structures? The majority of the buildings are more than 30 years old, with some approaching 50 years. They are well maintained, but do house equipment that has become obsolete.

**Part III – Statutory Requirements**

The law which allows property tax abatement (I.C.6-1.1-12.1) requires the county council to designate the project site as an Economic Revitalization Area which must be found to have “become undesirable for, or impossible of, normal development and occupancy because of a lack of development, cessation of growth, deterioration of improvements or character of occupancy, age, obsolescence, substandard buildings or other factors which have impaired values or prevent a normal development of the property.” An Economic Revitalization Area may also include any area where a facility or a group of facilities that are technologically, economically, or energy obsolete are located and where the obsolescence may lead to a decline in employment and tax revenues.

What evidence can be provided that the project property meets the above statutory requirements?  
Alcoa Warrick Operations began construction of the plant site in 1956. Many investments have been made over the years to introduce new technologies and increase efficiencies of the operations. However, increased competition from plastic and glass continue to reduce the share of aluminum used in the consumer beverage market. Warrick Operations has been hit with this competition and is working to diversify its product line in order to remain a viable and competitive plant in the Alcoa worldwide system.

The current ring furnace (completed in 1983) has lasted more than 20 years and has produced more metric tons of carbon than any other in Alcoa history. Not moving forward with the project will have a negative impact on the output of the smelter. Any reduction in the amount of molten aluminum produced, will mean increased costs for the rigid packaging division and would limit the opportunities for continued growth in diverse markets.

Please see attached Exhibit B for further information.

**Part IV – Employment Impact**

- 1. How many new employees do you plan to hire upon completion of this project?

Full Time \_\_\_\_ 0 \_\_\_\_      Part Time \_\_\_\_ 0 \_\_\_\_

2. How many new employees do you plan to hire over a five (5) year period as a result of this project (include the new employees listed in #1 above in this number)?

Full Time   0   Part Time   0  

3. How many employees will be retained as a result of this project?  
(Include only employees whose jobs will be affected by this project.)

Full Time  54  Part Time   0 

4. Describe the type of work in which new employees will be engaged:  
Employees will use the new furnace to bake carbon that is used in the smelting process to convert alumina to aluminum.

## **Part V – Furtherance of Development Objectives**

Please identify how the proposed project meets one or more of the following development objectives:

1. Use of vacant or under-utilized land and/or buildings: Management of the Warrick plant has worked to find opportunities to utilize current excess capacity in certain parts of the plant, e.g. Ingot. Any increase in capacity/production can lead to the need for more production in the smelting area and an increased need for the carbon baked in the proposed new ring furnace. One pot line is currently not in operation, but the ring furnace will have the capability to supply the all pot lines running at full capacity.

2. Rehabilitation or replacement of obsolete, deteriorated, vacant or under- utilized buildings: This project will shut down the Warrick ring furnace, completely remove all the old refractory and install all new refractory to be a replacement for the existing furnace that was built in 1983. The new furnace will reduce the maintenance requirements, the excessive consumption of packing medium and natural gas while increasing safety of the workers. The furnace is used to bake carbon that is used in the smelting process to convert alumina to aluminum.

3. Retention/expansion of employment opportunities: Rebuilding the furnace means that Warrick will not import carbon from other plants, saving 54 jobs. The investment in the plant also lends longer life to the smelting operation where 800+ Alcoans work.

4. Improvement of the community's physical appearance:

5. Preservation of historically or architecturally significant property:

## **Part VI – Description of Proposed Project**

1. Give a brief overview of the scope of the proposed project (use only the space provided below):

Repairing the furnace is required to sustain the operation of the plant by supplying quality anodes to the present potline operation. The repairs will significantly reduce maintenance requirements and operating costs, in addition to improving safety for the workers in that area.

Warrick's carbon bake ring furnace was built in 1983 and has never been shut down for major repairs. This proposal is to shut down the Warrick ring furnace, completely remove all the old refractory and install all new refractory.

This strategic project is an integral part of continuing to provide an adequate supply of quality anodes to the potlines. It will reduce the maintenance requirements, the excessive consumption of packing medium, and natural gas consumption. Exposures to safety hazards by employees who work around irregular surfaces and leaning flues and headwalls will be reduced. The improvements will allow for increased baked anode production.

As a sustaining project, this will help ensure the long-term viability of Alcoa Warrick Operations.

2. Will the proposed project require any additional municipal services or facilities?

Yes \_\_\_\_\_ No  X   
If yes, please explain.

3. For projects seeking abatement for REAL ESTATE IMPROVEMENTS:

a. What physical changes will be made to develop or rehabilitate the property?

b. How will the project property be used?

c. What is the anticipated cost of the rehabilitation or new construction of this project?

4. For projects seeking abatement for NEW MANUFACTURING EQUIPMENT:

a. Please attach an itemized list of the proposed equipment acquisitions and the cost of each item. Designate this attachment as Exhibit A.  
See attached Exhibit A.

b. Total Cost of Equipment Itemized on Exhibit A  
\$21,814,700

c. Describe the productive use of the proposed equipment acquisitions. (Please be as specific as possible.) The furnace will be used to bake carbon anodes, which are necessary to smelt aluminum. The furnace will have the capacity to supply Warrick Operations with sufficient anodes, such that importing of carbon from other locations will not be necessary.

d. Has this equipment ever been installed and in use elsewhere in the State of Indiana?  
Yes \_\_\_\_\_ No  X

e. Date new manufacturing equipment is to be acquired: April/May 2003

f. Will the proposed equipment have an impact on the environment? (i.e. waste or discharge generated by the productive use)

Yes \_\_\_\_\_

No X \_\_\_\_\_

If yes, explain in detail on a separate sheet identified as Exhibit B.

I hereby affirm and certify that the information and representations of fact made in this application are true and complete.

  
\_\_\_\_\_  
Signature of Authorized Representative

 } General Manager  
\_\_\_\_\_  
(Title)

Date 2003/03/14

For this application to be complete, it must be accompanied by a signed "Statement of Benefits" (State form 27167 SB-1).

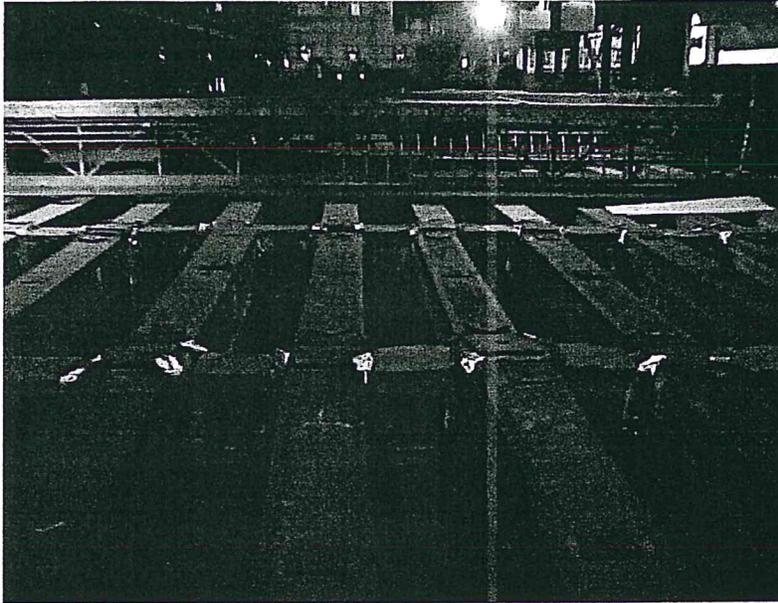
EXHIBIT A

PROJECT COST SUMMARY

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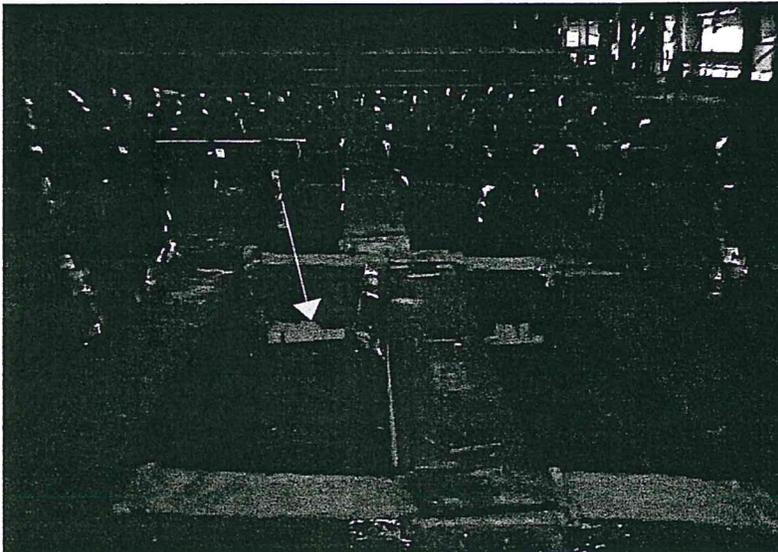
Description of Expenditures	Cost Estimate
Purchase Refractory	\$ 7,884,700
Purchase & Install Furnace Equipment	\$ 1,463,300
Install Refractory	\$ 6,489,900
Engineering & Design	\$ 3,513,800
Contingency	\$ 2,463,000
<b>TOTAL</b>	<b>\$21,814,700</b>

## EXHIBIT B

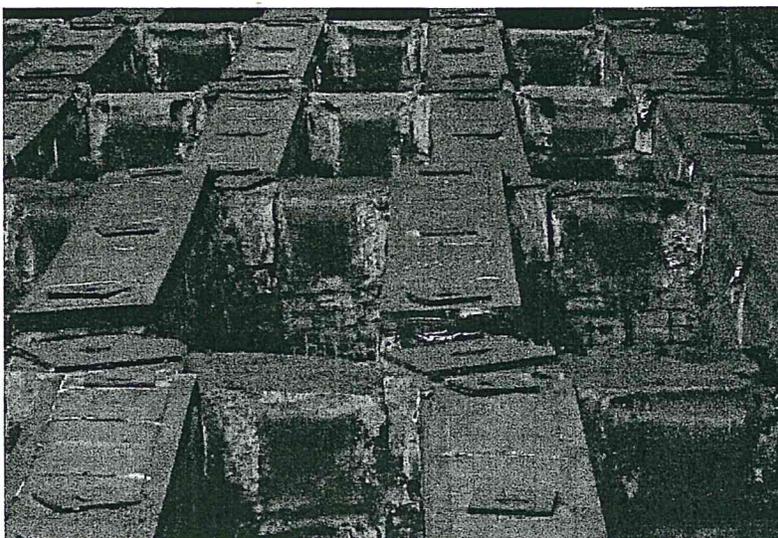


The current ring furnace as pictured from above.

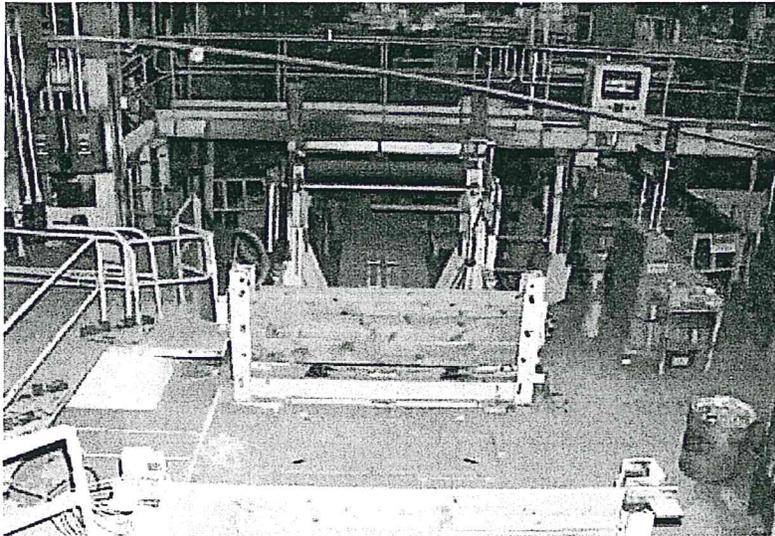
The structure sitting on top (designated by the arrow in the top picture) moves throughout the building heating the flue walls and baking the anodes in the pits (designated by the arrow in the middle picture).



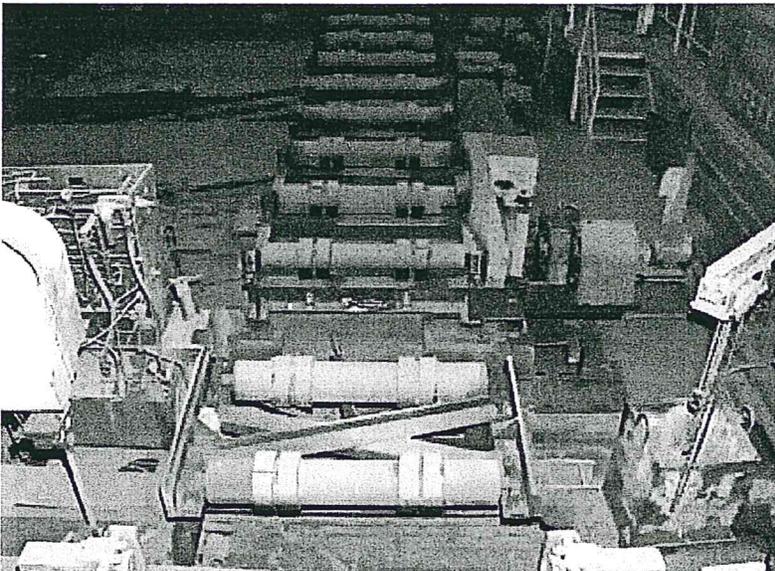
Through the years, the walls of the pits have begun to lean causing uneven heating of the anodes. This creates inefficiencies in the process, uses more energy, and leads to lower quality anodes that impact the smelting process.



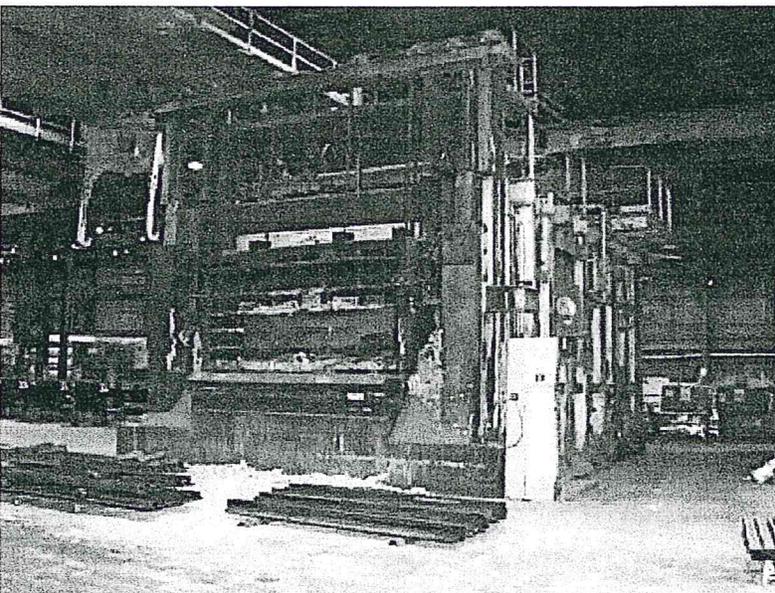
A closer view of the furnace pits.



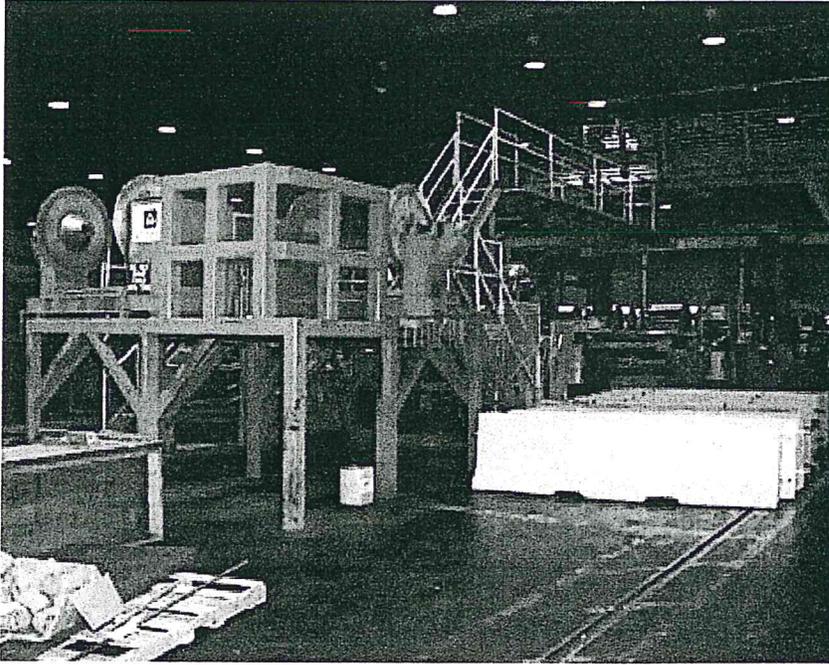
A casting pit in the Ingot Plant no longer in operation.



The opposite side view of the same casting pit in the Ingot Plant.

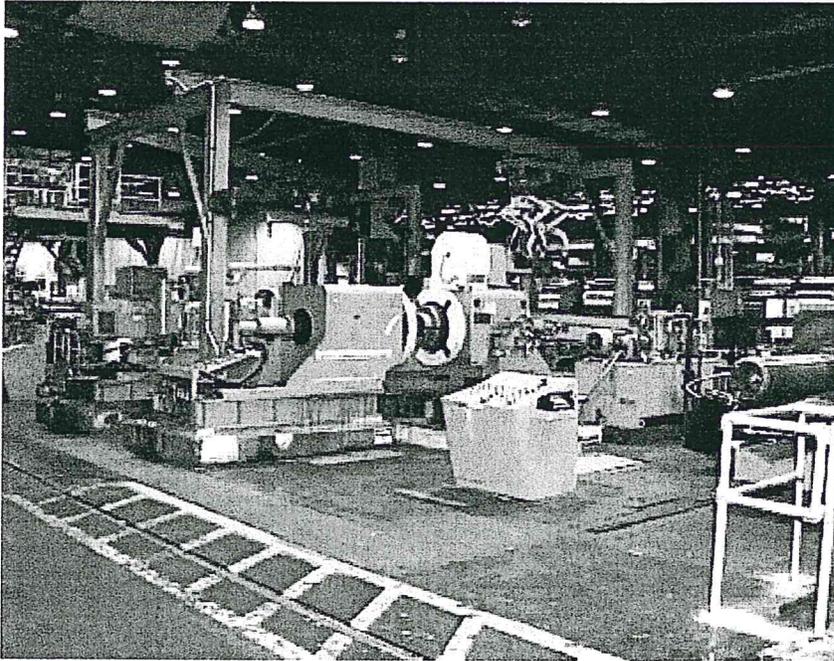


A holding furnace in the Ingot Plant no longer used.



One of four slitting machines replaced by one machine in 2001.

The new "Super Slitter" was an \$18.8 Million investment.



Another view of the same piece of equipment – no longer in operation.



# STATEMENT OF BENEFITS

State Form 27167 (R7 / 12-01)  
Prescribed by the Department of Local Government Finance

**FORM  
SB - 1**

### INSTRUCTIONS:

- This statement must be submitted to the body designating the economic revitalization area prior to the public hearing if the designating body requires information from the applicant in making its decision about whether to designate an Economic Revitalization Area. Otherwise this statement must be submitted to the designating body **BEFORE** a person installs the new manufacturing equipment and / or research and development equipment, or **BEFORE** the redevelopment or rehabilitation of real property for which the person wishes to claim a deduction. "Projects" planned or committed to after July 1, 1987 and areas designated after July 1, 1987 require a STATEMENT OF BENEFITS. (IC 6-1.1-12.1)
- Approval of the designating body (City Council, Town Board, County Council, etc.) must be obtained prior to initiation of the redevelopment or rehabilitation, or prior to installation of the new manufacturing equipment and / or research and development equipment, **BEFORE** a deduction may be approved.
- To obtain a deduction, Form 322 ERA, Real Estate Improvements and / or Form 322 ERA / PPME and / or 322 ERA / PPR & DE, must be filed with the county auditor. With respect to real property, Form 322 ERA must be filed by the later of: (1) May 10; or (2) thirty (30) days after a notice of increase in real property assessment is received from the township assessor. Form 322 ERA / PPME and / or 322 ERA PPR & DE must be filed between March 1 and May 15 of the assessment year in which new manufacturing equipment and / or research and development equipment becomes assessable, unless a filing extension has been obtained. A person who obtains a filing extension must file the form between March 1 and the extended due date of that year.
- Property owners whose Statement of Benefits was approved after June 30, 1991 must submit Form CF - 1 annually to show compliance with the Statement of Benefits. (IC 6-1.1-12.1-5.6)
- The schedules established under IC 6-1.1-12.1-4(d) and IC 6-1.1-12.1-4.5 (e) effective July 1, 2000 apply to any statement of benefits filed on or after July 1, 2000.  
The schedules effective prior to July 1, 2000 shall continue to apply to those statement of benefits filed before July 1, 2000.

SECTION 1 TAXPAYER INFORMATION								
Name of taxpayer <b>Alcoa, Inc. - Warrick Operations</b>								
Address of taxpayer (street and number, city, state and ZIP code) <b>Highway 66, Newburgh, Indiana 47629</b>								
Name of contact person <b>Sally Lambert</b>					Telephone number <b>(812) 853-4115</b>			
SECTION 2 LOCATION AND DESCRIPTION OF PROPOSED PROJECT								
Name of designating body <b>Warrick County Council</b>					Resolution number			
Location of property <b>Highway 66, Newburgh IN</b>			County <b>Warrick</b>		Taxing district <b>Anderson Township</b>			
Description of real property improvements and / or new manufacturing equipment and / or research and development equipment (use additional sheets if necessary)  <b>Installation of a new ring furnace to bake carbon that is used in the Smelting process to convert alumina to aluminum.</b>					ESTIMATED			
					Start Date		Completion Date	
					Real Estate			
					New Mfg Equipment		<b>April, 2003</b>	
R & DE		<b>June, 2003</b>						
SECTION 3 ESTIMATE OF EMPLOYEES AND SALARIES AS RESULT OF PROPOSED PROJECT								
Current number <b>85</b>	Salaries <b>\$6.2 million</b>	Number retained <b>54</b>	Salaries <b>\$4.0 million</b>	Number additional <b>0</b>	Salaries			
SECTION 4 ESTIMATED TOTAL COST AND VALUE OF PROPOSED PROJECT								
NOTE: Pursuant to IC 6-1.1-12.1-5.1 (d) (2) the COST of the property is confidential.	Real Estate Improvements		Machinery		Research and Development Equipment			
	Cost	Assessed Value	Cost	Assessed Value	Cost	Assessed Value		
	Current values		924,153,109		174,842,597			
	Plus estimated values of proposed project		21,814,700					
	Less values of any property being replaced		7,166,134		1,074,920			
Net estimated values upon completion of project		938,801,675						
SECTION 5 WASTE CONVERTED AND OTHER BENEFITS PROMISED BY THE TAXPAYER								
Estimated solid waste converted (pounds) _____			Estimated hazardous waste converted (pounds) _____					
Other benefits:								
SECTION 6 TAXPAYER CERTIFICATION								
I hereby certify that the representations in this statement are true.								
Signature of authorized representative 				Title <b>Vice President &amp; General Manager</b>		Date signed (month, day, year) <b>02/19/2003</b>		

**FOR USE OF THE DESIGNATING BODY**

We have reviewed our prior actions relating to the designation of this economic revitalization area and find that the applicant meets the general standards adopted in the resolution previously approved by this body. Said resolution, passed under IC 6-1.1-12.1-2.5, provides for the following limitations as authorized under IC 6-1.1-12.1-2.

- A. The designated area has been limited to a period of time not to exceed \_\_\_\_\_ calendar years \* (see below). The date this designation expires is \_\_\_\_\_.
- B. The type of deduction that is allowed in the designated area is limited to:
- |   |  |
|---|--|
| 1. Redevelopment or rehabilitation of real estate improvements; | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 2. Installation of new manufacturing equipment;                 | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 3. Installation of new research and development equipment;      | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 4. Residentially distressed areas                               | <input type="checkbox"/> Yes <input type="checkbox"/> No |
- C. The amount of deduction applicable for redevelopment or rehabilitation is limited to \$ \_\_\_\_\_ cost with an assessed value of \$ \_\_\_\_\_.
- D. The amount of deduction applicable to new manufacturing equipment is limited to \$ \_\_\_\_\_ cost with an assessed value of \$ \_\_\_\_\_.
- E. The amount of deduction applicable to new research and development equipment is limited to \$ \_\_\_\_\_ cost with an assessed value of \$ \_\_\_\_\_.
- F. Other limitations or conditions (specify) \_\_\_\_\_

Also we have reviewed the information contained in the statement of benefits and find that the estimates and expectations are reasonable and have determined that the totality of benefits is sufficient to justify the deduction described above.

Approved: (signature and title of authorized member)	Telephone number (     )	Date signed (month, day, year)
Attested by:	Designated body	

\* If the designating body limits the time period during which an area is an economic revitalization area, it does not limit the length of time a taxpayer is entitled to receive a deduction to a number of years designated under IC 6-1.1-12.1-4 or 4.5

Alcoa

**PROPOSED CRITERIA FOR TAX ABATEMENT IN WARRICK COUNTY**

prepared by the Warrick County Chamber of Commerce Tax Research Committee

100 POINTS MAXIMUM

Investment (25 points maximum)-

0 up to \$1 million-	5 points		
\$1 million up to \$2.5 million-	10 points	21,814,700	10
\$2.5 million up to \$5 million-	15 points		
\$5 million up to \$10 million-	20 points		
\$10 million +	25 points		

New employment (25 points maximum)-

5 to 24 employees-	5 points	54 jobs SAVED	15
25-49 employees-	10 points		
50-74 employees-	15 points	(800+ employees AT ALCOA)	
75-149 employees-	20 points		
150 employees +	25 points		

Wage level (15 points maximum)-

Less than county average wage-	0 points		
Equal to county average wage (+/-5%)-	5 points		
10% greater than county average wage-	10 points		
20% greater than county average wage-	15 points		15

Desirable/targeted industry (5 points maximum)-

Is the applicant in an industry that is deemed a "good fit" for the county, as determined by the Council or the Economic Development Department in its industry targeting? If yes, award 5 points. 5

Appropriate location (5 points maximum)-

Is the applicant making the investment in a location already zoned appropriately? If yes, award 5 points. 5

Existing industry (5 points maximum)-

Is the applicant seeking abatement already located in the county? If yes, award 5 points. 5

Need for abatement (20 points maximum)-

Is the offering of tax abatement necessary to induce the applicant to make its investment in the county? If yes, award 20 points. 20

Total Score

75

Sue Gibbons

3/24/03

DEDUCTIONS:

Competition (minus 10 points maximum)

If the applicant seeking tax abatement is new to the county, does it compete with an existing county industry in its end product such that the existing county industry may be damaged in its sales? If yes, deduct 5 or 10 points.

Cost of county (minus 20 points maximum)

Will the direct expense incurred by the county to serve the applicant (roads, sewers, etc.) be recovered by county through new tax revenues (property and income), and if so, over what period of time?

If costs will be recovered within 3 years-

No deduction

If costs will be recovered within 5 years-

Deduct 5 points

If costs will be recovered within 7 years-

Deduct 10 points

If costs will be recovered within 10 years-

Deduct 15 points

If it takes over 10 years to recover costs-

Deduct 20 points

Environmental (minus 20 points maximum)

Is the applicant engaged in an activity which the Council deems to be environmentally unsuitable for either the county as a whole, or the location where it is locating? If yes, deduct 5, 10, 15 or 20 points depending on level of unsuitability.

SCORING-

<u>Score</u>	<u>Equipment</u>	<u>Real property</u>
Less than 50 points-	No abatement	No abatement
55 to 60 points-	5 years	OR 3 years
65 to 70 points-	5 years	AND 3 years
75 to 80 points-	5 years	AND 6 years
85 to 90 points-	10 years	AND 6 years
95 to 100 points-	10 years	AND 10 years

An applicant may request that his abatement in one classification be reduced by one step so that his abatement in another be raised one step. For example, an applicant who qualifies for 5 years equipment abatement and 3 years of real property abatement (65 to 70 points) can request that his equipment abatement be reduced by one step (from 5 years to 0 years) and that his real abatement be increased by one step (from 3 years to 6 years).

Total Score 75

ABATEMENT PERCENTAGES (State statute)

Year of Deduction	<u>Manufacturing Equipment</u>			<u>Real Property</u>	
	<u>5 years</u>	<u>10 years</u>	<u>3 years</u>	<u>6 years</u>	<u>10 years</u>
1	100%	100%	100%	100%	100%
2	95%	95%	66%	85%	95%
3	80%	90%	33%	66%	80%
4	65%	85%		50%	65%
5	50%	80%		35%	50%
6		70%		17%	40%
7		55%			30%
8		40%			20%
9		30%			10%
10		25%			5%