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05/28/56

CP-F-56-24
NLO
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REPORT

CP Section

REVISION #1

to

CP - F - 56 - 24

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NATIONAL LEAD COMPANY
OF OHIO



CONTRACT NO. AT(30-1)-1156

UNITED STATES ATOMIC ENERGY COMMISSION

000601

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NATIONAL LEAD COMPANY OF OHIO

Title NEW SCRAP PIT

CP No. CP-F-56-24, Rev. 1 Estimate \$25,740.

APPROVALS	SIGNATURE	DATE
Initiating Division	<u>A. Stewart, Jr. - Production</u>	
Engineering	<u>[Signature]</u>	<u>11-16-57</u>
Plant Manager	<u>[Signature]</u>	<u>11-19-57</u>

ATOMIC ENERGY COMMISSION
FMPC

Area Manager

AEC BACON-DAVIS REVIEW	
B-D Applies	<input type="checkbox"/>
B-D Does Not Apply	<input type="checkbox"/>
Signed _____	
Date _____	

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UNITED STATES
ATOMIC ENERGY COMMISSION
OAK RIDGE OPERATIONS OFFICE
FERNALD AREA

ADDRESS REPLY TO:
THE AREA MANAGER
U. S. ATOMIC ENERGY COMMISSION
P. O. BOX 128, MT. HEALTHY STATION
CINCINNATI 31, OHIO

J. H. Swenson
CP File
CP-F-56-24
185 12/17
DEC 14 1956

RECEIVED
DEC 17 1956
Engineering Division

Mr. G. W. Wunder
Plant Manager
National Lead Company of Ohio
P.O. Box 158, Mt. Healthy Station
Cincinnati 31, Ohio

SUBJECT: DIRECTIVE FA-27, MODIFICATION 1 - NEW SCRAP PIT

Dear Mr. Wunder:

Forwarded herewith for your information and retention are three copies of Modification 1, Directive FA-27, dated December 11, 1956, covering the relocation of the New Scrap Pit, decrease in estimated cost, and completion date for all work.

Very truly yours,

ORIGINAL SIGNED BY
C. L. KARL
AREA MANAGER
C. L. Karl
Area Manager

Enclosure:
Dir. FA-27, Mod. 1 (trip.)

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UNITED STATES
ATOMIC ENERGY COMMISSION

Consec. Number 1319-1
Directive FA-27
Modification 1

REF: JJS

Oak Ridge, Tennessee
December 11, 1956

Area Manager, Fernald Area
U. S. Atomic Energy Commission
Cincinnati, Ohio

Subject: DIRECTIVE FOR NEW SCRAP PIT, FMPC, FERNALD, OHIO -
SUBPROJECT 224-561-F4

Reference is made to basic Directive FA-27, dated June 12, 1956; to memorandum, dated November 27, 1956, from the Area Manager, Fernald Area, to the Manager, Oak Ridge Operations, subject, "Request for Modification of Directive FA-27, FMPC, Fernald Area"; and to Construction Proposal CP-F-56-24, Revision 1.

Basic Directive FA-27 authorized total costs of \$38,460 and established a final completion date of September 30, 1956 for construction of a new scrap pit in accordance with basic Construction Proposal CP-F-56-24. Detailed surveys made during the design phase showed that a sizable cost reduction could be realized by locating the new pit adjacent to the existing pit. Based on receipt of lump-sum bids for the construction work, a reduction in authorized costs in the amount of \$12,720 from total costs authorized under the basic directive is now possible, resulting in a new authorized total directive cost of \$25,740.

Delays in design while awaiting investigation of a new pit location, together with an expected delay in earth work due to inclement winter weather conditions, will preclude completion of the facility on schedule. It is currently estimated that all work will be completed by February 28, 1957. In order to reflect the final location selected for the new pit, to authorize reduction in costs realized by relocation of the pit, and to extend the final completion date, basic Directive FA-27 is modified hereby as follows:

- a. Delete all paragraphs of the directive following the first paragraph and substitute, respectively, therefor the following new paragraphs:

"Preliminary Proposal CP-F-56-24, as amended by Revision 1 thereto dated November 13, 1956, for construction of a new scrap pit, FMPC, Fernald, Ohio, is approved hereby and authority is granted to proceed with the work as outlined therein, including Titles I, II, and III engineering services; construction and excavation work; and incidental work for facilities described generally as follows:

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Subject: DIRECTIVE FOR NEW SCRAP PIT, FMPC, FERNALD, OHIO -
SUBPROJECT 224-561-F4
December 11, 1956

Excavation of an additional scrap storage pit, approximately 200' x 72' x 16' deep, with a sloping ramp approximately 56' x 200'; extension of existing drain piping for approximately 460'; increasing the height of the west berm of the existing scrap pit to provide approximately 288,000 cubic feet of additional space; and construction of the new gravel turn-around area for trucks.

"Work authorized herein shall be accomplished by National Lead Company of Ohio under Contract AT-(30-1)-1156 and by a fixed-price subcontractor under the NLO contract.

"It is estimated that the work authorized herein will be completed by February 28, 1957.

"The estimated cost of the work authorized herein is as follows:

<u>Cost Category</u>	<u>National Lead</u>	<u>FP</u>		<u>Total</u>
		<u>Subcontractor</u>		
<u>Engineering</u>	\$2,145	-		\$ 2,145
<u>Direct Cost</u>	-	\$21,450		21,450
<u>Allowance for Contingencies</u>	<u>2,145</u>	<u>-</u>		<u>2,145</u>
Total	\$4,290	\$21,450		\$25,740

"Authority is granted hereby to incur costs of \$25,740 for work authorized herein. Funds to finance these costs are budgeted under Project 224-561, 'General Plant Projects - 9200', in the ORO FY 1957 Financial Plan, Plant Acquisition and Construction - 3. Funds shall be collected under Subproject 224-561-F4, 'New Scrap Pit, Fernald'. Funds to finance these costs are obligated under National Lead Company of Ohio Contract AT-(30-1)-1156."

All other provisions of basic Directive FA-27 shall remain in full force and effect.



Subject: DIRECTIVE FOR NEW SCRAP PIT, FMPC, FERNALD, OHIO -
SUBPROJECT 224-561-F4
December 11, 1956

This modification constitutes a revision in scope and reduction in costs by \$12,720 under those authorized in the basic directive, and extends the final completion date by five months.

R. J. Brown
Assistant Manager for
Construction and Engineering
Oak Ridge Operations

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CONSTRUCTION PROPOSAL REVISION

6302

CP-F-56-24, Rev. 1

New Scrap Pit

November 13, 1956

This revision is submitted to show the final location selected for the new pit, to obtain an extension of the directive completion time, and to reduce the cost estimate reflecting savings realized by relocation of the pit.

Directive FA-27 authorized the expenditure of \$38,460 to construct a new scrap pit and related facilities in accordance with drawing 8-4032. The location of the new pit indicated on this drawing required extensive new facilities for approach roads, unloading trucks, and handling contaminated waters. Detailed surveys during the design phase showed that a sizable cost reduction could be realized by locating the new pit adjacent to the existing pit thereby greatly reducing the requirements for auxiliary facilities. This new pit location is shown on the attached drawing 8-4069, entitled "New Scrap Pit and Addition to Existing Pit for Scrap Plant".

Lump sum bids for the work have been received that verify the predicted savings by revising the pit location. A revised estimate of the cost is as follows:

Cost Category	National Lead		Fixed Price Subcontractor		Total	
	Auth. Funds	New Est.	Auth. Funds	New Est.	Auth. Funds	New Est.
Engineering	\$3,205	\$2,145			\$ 3,205	\$2,145
Direct Cost			\$32,050	\$21,450	32,050	21,450
Allowance for Cont.	3,205	2,145			3,205	2,145
Totals	\$6,410	\$4,290	\$32,050	\$21,450	\$38,460	\$25,740

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Design was delayed investigating the possibility of a new pit location. This delay requires extending the estimated completion time. The new estimated completion date is February 1, 1957.

