

United States Government

Department of Energy

# memorandum

DATE: DEC 14 1990

REPLY TO  
ATTN OF: EM-421

SUBJECT: The File

to: Elimination of the DuBois Chemical Company Site from FUSRAP

I have reviewed the attached preliminary site summary and recommendation for the DuBois Chemical Company site in Cincinnati. I have determined that there is little likelihood of contamination at this site.

Based on the above, the DuBois Chemical Company Site is hereby eliminated from further consideration under the Formerly Utilized Sites Remedial Action Program.



W. Alexander Williams, PhD  
Designation and Certification Manager  
Off-Site Branch  
Division of Eastern Area Programs  
Office of Environmental Restoration

Attachment

bcc:  
Weston  
EM-40 (3)  
EM-42 reader  
Williams reader

EM-421:AWilliams:jh:353-5439:12/10/90:dub2



EM-421  
Williams *CA*  
12/10/90

EM-421  
Wagoner  
12/11/90

EM-42  
Fulmer *aus*  
12/12/90

EM-42  
Fiorie  
12/13/90

OTS NOTE

DATE: November 16, 1990  
TO: Alexander Williams  
FROM: Dan Stout *DS*  
SUBJECT: DuBois Company Site Investigation

Attached for your review is a preliminary site summary for the DuBois Chemical Co. in Cincinnati, Ohio. The company was listed by NLO as a handler of test quantities of radioactive metal during 1960.

DuBois appears to have participated in a brief experiment using their cleaning compounds on uranium-coated drums. Because of the scarcity of records, limited period of operation for NLO, and absence of evidence of contamination, I recommend the site be eliminated from FUSRAP.

Please call me if you have any questions.

cc: J. Wagoner  
D. Tonkay  
E. Mitchell  
file FUSRAP OH-39

*OK - eliminate  
W. Alexander Williams  
11/19/90*

MEMORANDUM

TO: FILE

DATE 11/15/90

FROM: D. Stout

SUBJECT: Du Bois chemical Elimination Recommendation

SITE NAME: DuBois Company (the former) ALTERNATE NAME:

CITY: Cincinnati STATE: OH

OWNER(S) Past: DuBois Chemical Co. Current: Griffin Industries Owner contacted [ ] yes [x] no; if yes, date contacted

TYPE OF OPERATION

- [x] Research & Development [ ] Facility Type [ ] Production scale testing [ ] Manufacturing [ ] Pilot Scale [ ] University [ ] Bench Scale Process [ ] Research Organization [ ] Theoretical Studies [ ] Government Sponsored Facility [x] Sample & Analysis [ ] Other [ ] Production [ ] Disposal/Storage

TYPE OF CONTRACT

- [ ] Prime [ ] Subcontractor [x] Purchase Order [ ] Other information (i.e., cost + fixed fee, unit price, time & material, etc)

Contract/Purchase Order # unknown

CONTRACTING PERIOD: May 1960 (according to NLD Farrell list)

OWNERSHIP:

Table with 7 columns: AEC/MED OWNED, AEC/MED LEASED, GOVT OWNED, GOVT LEASED, CONTRACTOR OWNED, CONTRACTOR LEASED. Rows include LANDS, BUILDINGS, EQUIPMENT, ORE OR RAW MATL, FINAL PRODUCT, WASTE & RESIDUE.

Material handled is unknown

AEC/MED INVOLVEMENT AT SITE

Control

- AEC/MED managed operations
- AEC/MED responsible for accountability
- AEC/MED overviewed operations
- Contractor had total control
- unknown

- Health Physics Protection
  - Little or None
  - AEC/MED responsibility
  - Contractor responsibility

MATERIALS HANDLED:

Type (on basis of records reviewed)

- No Radioactive
- Natural Radioactive from Feed Materials Production
  - Ore
  - Refined Source Material
  - Residue
- Natural Radioactive Material from Non-Nuclear Activities
- Man-Made
- Other

Comment Survey report for uranium

Quantities (on the basis of records reviewed)

- None
- Production Quantities
- Small Amounts

Comment NLO reported that Du Bois handled test quantities.

OTHER PERTINENT FACTS:

- Facility was Licensed
  - During AEC/MED-Related Operations
  - For Similar Activities
  - For Other Activities

Comment No evidence of license for Du Bois or current owner

Commercial Production Involving Radioactive Material during AEC/MED Operations

Facility was Decontaminated and Released

Availability of Close Out Records

- None
- Some
- Sufficient

Radioactive Status:

	YES	MAYBE	PROBABLY NOT	NOT
Contaminated Potential for Exposure (accessible)	---	---	---	X
	---	---	---	X

QUANTITY OF RECORDS AVAILABLE:

Very Little                       Some                       Sufficient

PROBABILITY OF FINDING ADDITIONAL RECORDS:

Low                       Possible                       High

RECOMMENDATIONS:

Eliminate  
 Consider for Remedial Action  
 Collect More Data

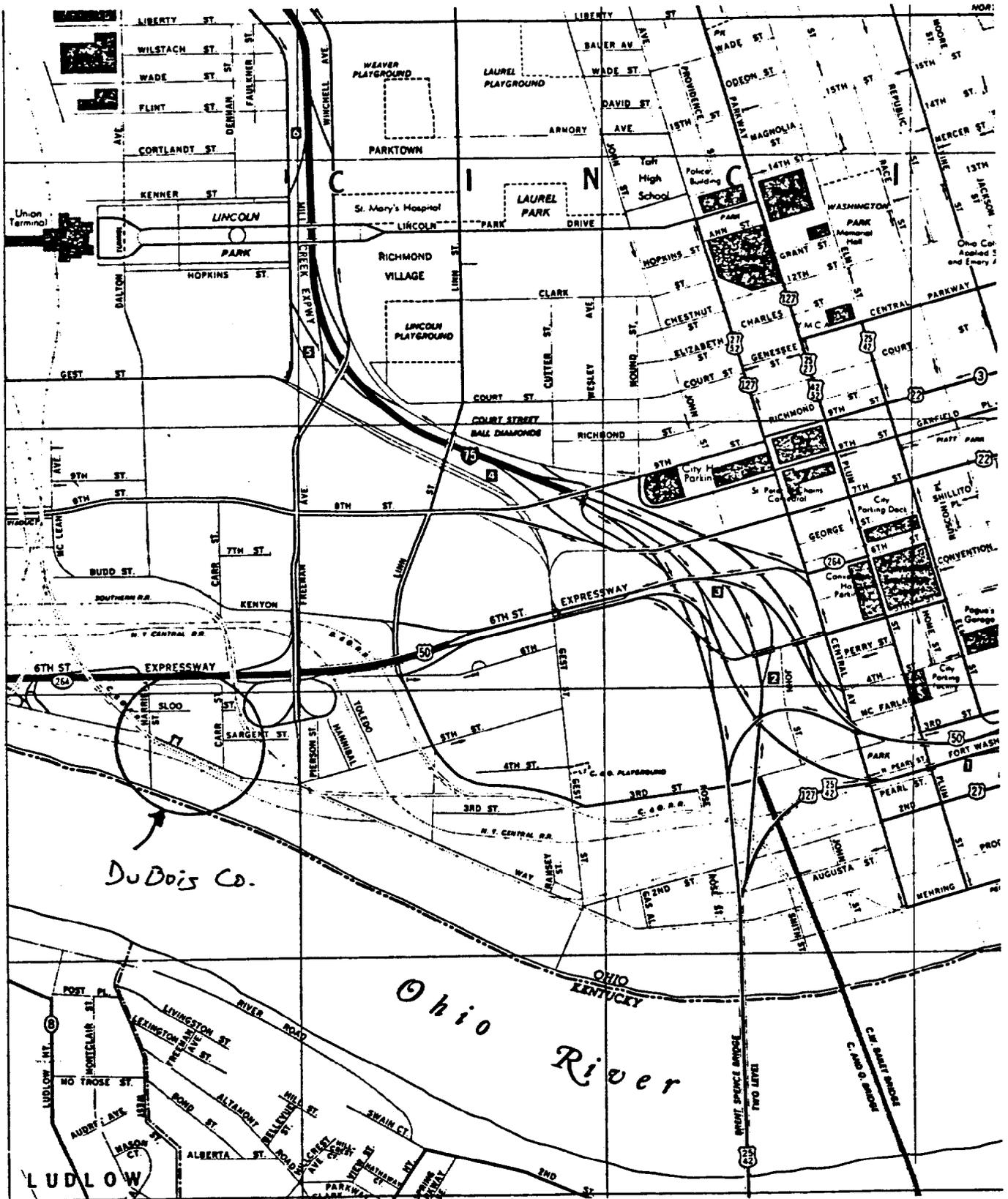
Comment No evidence of contamination

REFERENCES: - NLO Analytical Data sheets dated 5/2/60  
reporting radiological test results  
- NLO trip report to Pioneer Division, Bendix aviation  
dated 6/20/60 lists Du Bois Co. representative  
as attending drum cleaning demonstration.

SUMMARY

Du Bois Chemical Company was (and still is) a producer of chemical cleaning and processing compounds. Apparently they were contacted by NLO/Bendix to supply cleaning compounds for use in cleaning uranium contaminated drums. The radiological survey suggests that a sample cleaning test using a dish washing machine was performed at the DuBois site on 4/29/60. The machine and work bench area were not contaminated, while a water sample (presumably the cleaning solution) did show an elevated uranium level. Disposition of the liquid is unknown and unlikely to have resulted in residual radioactivity at the site.

Old directories list DuBois at 1120 W. Front, since changed to W. Mehring (street numbers have not changed). Current occupant is Griffin Ind. Plant, 1120 W. Mehring Way, 513-721-2019. DuBois Chemical Inc. is now located at 1100 Du Bois Tower, 513-762-6000. Neither was contacted. Map attached. Elimination recommended.



Former DuBois Co. Site  
 1120 W. Mehring Way