

An ecological survey was conducted on July 15, 1992, using the modified point-centered quarter sampling technique (Kooser and Rankin). The survey was conducted to identify community types and the presence of areas with the potential to be identified as wetlands. The survey was cross-referenced with topographical maps for Waverly, Waverly South, Lucasville, and Wakefield (Department of Interior, 1987), with *Wetlands Identification: Federal Manual for Identifying and Delineating Jurisdictional Wetlands* (Government Institutes, 1989), and with the endangered and threatened species lists for Ohio. Additionally, the Division of Natural Areas and Preserves, Department of Natural Resources, was consulted.

The Pike County Soil Conservation District Office was consulted to determine whether prime farmland would be affected by the proposed action. According to the District Conservation Officer, the affected soils are considered to be of marginal significance even prior to disturbance.

Letters confirming consultation with these state and federal agencies are included in this appendix.

REFERENCES

Department of Interior, 1987. Topographical Maps for Quadrants: Waverly, Waverly South, Lucasville, and Wakefield. Division of Geological Survey, Ohio, Pike County. 7.5 Minute Series.

Kooser, James G. and Wilson T. Rankin. A Modified Point-Centered Quarter Sampling Technique: A Tool for Plant Community Classification and Evaluation. Division of Natural Areas and Preserves, Ohio Department of Natural Resources, Morse Road, Columbus, Ohio 43224.

Strausbaugh, P.D. and Earl L. Core, 1977. Flora of West Virginia. Seneca Books, Inc., Grantsville, West Virginia.

Ohio Historic Preservation Office

Ohio Historical Center
1982 Velma Avenue
Columbus, Ohio 43211-2497
614/297-2470
Fax 297-2411



OHIO
HISTORICAL
SOCIETY
SINCE 1885

April 2, 1993

Ms. Jackie Adams
Martin Marietta Energy Systems, Inc.
P.O. Box 628
Pike-ton, OH 45661

Re: Solid Waste Landfill
Portsmouth Gaseous Diffusion Plant, Pike County, Ohio

Dear Ms. Adams,

This is in response to correspondence from your office dated March 8, 1993 (received March 8) regarding the above referenced project, with additional information obtained during a meeting on March 8, 1993 with David Snyder (OHPO). The comments of the Ohio Historic Preservation Office (OHPO) are submitted in accordance with provisions of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470 [36 CFR 800]); the Department of Energy serves as the lead federal agency. My staff has reviewed this project, and I offer the following comments.

The project entails construction and operation of solid waste landfill site. According to information provided this office, the landfill operation will be situated in an area which has been previously disturbed by borrow operations and will not involve use of off-site borrow from any previously undisturbed area. A check of our records shows that there are currently no known sites listed in the Ohio Archaeological Inventory for the project area. Based on the extent of previous disturbance in the project area, it is my opinion that no property eligible for inclusion or included in the National Register of Historic Places will be affected by the proposed project. No further coordination with this office is necessary for this project unless there is a change in the scope of work. In addition, if new or additional sites are discovered, this office should be notified [36 CFR 800.11(d)(1)].

Any questions concerning this matter should be addressed to David Snyder at (614) 297-2470, between the hours of 8 am. to 5 pm. Thank you for your cooperation.

Sincerely,

Martha J. Raymond
Martha Raymond, Department Head
Technical and Review Services

MJR/DMS:ds



George V. Voinovich • G
Frances S. Buchholzer •

April 14, 1993

Eugene Gillespie
USDOE
Portsmouth Gaseous Diffusion Plant
P.O. Box 700, MS1213
Piketon, Ohio 45661

Dear Mr. Gillespie:

After reviewing our maps and files, I find the Division of Natural Areas and Preserves has no records of rare species at the proposed solid waste landfill site at the Portsmouth Gaseous Diffusion Plant.

There are no existing or proposed state nature preserves or scenic rivers in the project area. We are also unaware of any unique ecological sites, geologic features, breeding or non-breeding animal concentrations, champion trees, state parks, forests or wildlife areas in the vicinity.

Our inventory program has not completely surveyed Ohio and relies on information supplied by many individuals and organizations. Therefore, a lack of records for any particular area is not a statement that rare species or unique features are absent from that area. Please note that we inventory only high-quality plant communities and do not maintain an inventory of all Ohio wetlands.

Please contact me at (614) 265-6818 if I can be of further assistance.

Sincerely,

Debbie Woischke

Debbie Woischke, Ecological Analyst
Division of Natural Areas & Preserves

DW/tmc



United States Department of the Interior

Fish and Wildlife Service
Reynoldsburg Field Office
6950-H Americana Parkway
Reynoldsburg, Ohio 43068-4115



In Reply Refer to:

(614) 469-6923/FAX (614) 469-6919
April 12, 1993

Mr. Eugene W. Gillespie
Department of Energy
Portsmouth Enrichment Office
Post Office Box 700
Piketon, Ohio 45661-0700

Dear Mr. Gillespie:

This responds to your April 6, 1993 letter requesting our comments on your proposal to construct a 35 acre non-hazardous solid waste landfill within the boundaries of the Portsmouth Gaseous Diffusion Plant (PORTS). The site is near Piketon, in Pike County, Ohio. The site selected for the landfill has been utilized as a source to obtain daily soil cover for the existing operating landfill.

These comments are provided under the authority of the Endangered Species Act of 1973, as amended.

ENDANGERED SPECIES COMMENTS: The proposed project lies within the range of the Indiana bat, a Federally listed endangered species. Due to type of habitat in the project area, the project, as proposed, will have no impact on this species. This precludes the need for further action on this project as required by the 1973 Endangered Species Act, as amended. Should the project be modified or new information become available that indicates listed or proposed species may be affected, consultation should be initiated.

Sincerely,

Kent E. Kroonemeyer
for Kent E. Kroonemeyer
Supervisor

cc: DOW, Wildlife Environmental Section, Columbus, OH
ODNR, Office of Realty and Land Management, Columbus, OH
Ohio EPA, Water Quality Monitoring, Attn: G.Hesse, Columbus, OH
US EPA, Office of Environmental Review, Chicago, IL



DEPARTMENT OF THE ARMY
HUNTINGTON DISTRICT, CORPS OF ENGINEERS
602 EIGHTH STREET
HUNTINGTON, WEST VIRGINIA 25701-2070

REPLY TO
ATTENTION OF:

December 13, 1993

Operations and Readiness Division
Regulatory Functions Branch
Un. Trib. Little Beaver Cr.-No Permit Req.

Ms. Jackie Adams
MMUS NEPA Compliance Coordinator
Martin Marietta Utility Services, Inc.
P.O. Box 628
Piketon, Ohio 45661

Dear Ms. Adams:

I refer to your letter dated October 13, 1993 concerning the proposed solid waste landfill project at the Portsmouth Gaseous Diffusion Plant located in Piketon, Pike County, Ohio. In the letter, you requested a review of the wetland survey of the proposed project site as part of your environmental assessment to meet NEPA requirements.

Information from the December 2, 1993 on-site meeting between you and a member of my staff indicated that the proposed project area has no observable jurisdictional wetlands. Therefore, no Department of the Army permit will be required for the work done within the project area.

If you have any questions, please contact Douglas Adamo at (304) 529-5210.

Sincerely,

A handwritten signature in cursive script that reads "James M. Richmond".

James M. Richmond
Chief, Ohio/Kentucky Permit
Section

FLORA LIST FOR THE PROPOSED SOLID WASTE LANDFILL SITE

JULY 15, 1992

Apocynum cannabinum (Dog Bane)	Hypericum canadense (St. John's Wort)
Asclepias hirtella (Milkweed)	Cassia nictitans (Wild Sensitive Plant)
Asclepias purpurascens (Milkweed)	Lespedeza hirta (Bush Clover)
Rudbeckia hirta (Black-eyed Susan)	Lespedeza cuneata (Bush Clover)
Medicago lupulina (Black Medick)	Daucus carota (Wild Carrot)
Verbascum blatteria (Moth Mullein)	Chrysanthemum leucanthemum (Ox-eye Daisy)
Verbascum thapsus (Moth Mullein)	Solanum americanum (Nightshade)
Erigeron annuus (Daisy Fleabane)	Cirsium vulgare (Bull Thistle)
Ambrosia artemisiifolia (Ragweed)	Rubus pugnax (Dewberry)
Melilotus alba (White Sweet Clover)	Rhus radicans (Poison Ivy)
Melilotus officinalis (Yellow Sweet Clover)	Solidago sp. (Goldenrod)
Trifolium pratense (Red Clover)	Plantago major (Plantain)
Chichorium intybus (Chickory)	Plantago lanceolata (Lance-leaf Plantain)
Convolvulus arvensis (Morning Glory)	Plantago aristata (Plantain)
Verbena hastata (Vervain)	Oxalis europaea (Wood Sorrel)
Verbena urticifolia (Vervain)	Rhus glabra (Smooth Sumac)
Achillea millefolium (Yarrow)	Bidens aristosa (Beggar Ticks)
Eupatorium fistulosum (Joe-pie Weed)	Rosa multiflora (Rose)
Eupatorium perfoliatum (Boneset)	Onoclea sensibilis (Sensitive Fern)
Monarda fistulosa (Wild Bergomot)	Rumex crispus (Sour Dock)
Prunella vulgaris (Self-Heal)	Phaseolus sp. (Wild Bean)
Pycnanthemum virginicum (Mountain Mint)	Eragrostis sp. (Love Grass)
Hypericum gentianoides (St. John's Wort)	Lobelia inflata (Indian Tobacco)

U.S. Department of Agriculture

FARMLAND CONVERSION IMPACT RATING

PART I (To be completed by Federal Agency)		Date Of Land Evaluation Request June 2, 1992	
Name Of Project Construction & Operation of a Solid Waste Landfill		Federal Agency Involved Department of Energy	
Proposed Land Use Solid Waste Landfill		County And State Pike County, Ohio	
PART II (To be completed by SCS)		Date Request Received By SCS 6-9-92	
Does the site contain prime, unique, statewide or local important farmland? (If no, the FPPA does not apply - do not complete additional parts of this form):		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Major Crop(s)	Farmable Land In Govt. Jurisdiction Acres: %	Acres Irrigated	Average Farm Size
Name Of Land Evaluation System Used	Name Of Local Site Assessment System	Amount Of Farmland As Defined In FPPA Acres: %	Date Land Evaluation Returned By SCS 6-9-92

PART III (To be completed by Federal Agency)		Alternative Site Rating			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly		38			
B. Total Acres To Be Converted Indirectly		--			
C. Total Acres In Site		38			
PART IV (To be completed by SCS) Land Evaluation Information					
A. Total Acres Prime And Unique Farmland					
B. Total Acres Statewide And Local Important Farmland					
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted					
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value					

PART V (To be completed by SCS) Land Evaluation Criterion Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)					
PART VI (To be completed by Federal Agency) Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))		Maximum Points			
1. Area In Nonurban Use					
2. Perimeter In Nonurban Use					
3. Percent Of Site Being Farmed					
4. Protection Provided By State And Local Government					
5. Distance From Urban Builtup Area					
6. Distance To Urban Support Services					
7. Size Of Present Farm Unit Compared To Average					
8. Creation Of Nonfarmable Farmland					
9. Availability Of Farm Support Services					
10. On-Farm Investments					
11. Effects Of Conversion On Farm Support Services					
12. Compatibility With Existing Agricultural Use					
TOTAL SITE ASSESSMENT POINTS		160			

PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part VI)		100			
Total Site Assessment (From Part VI above or a local site assessment)		160			
TOTAL POINTS (Total of above 2 lines)		260			

Site Selected: _____ Date Of Selection: _____

Local Site Assessment Used? Yes No

Post-It™ brand fax transmittal memo 7671 # of pages 7

To: <u>Joe Perkins</u>	From: <u>Jackie Adams</u>
Co.:	Co.:
Dept.:	Phone #: <u>2028</u>

See, I've enclosed the portion the Soil Conservation office requested. No signature is required.

Also 2nd copy is enclosed just wanted to highlight the SCS portion

Jackie

U.S. Department of Agriculture

FARMLAND CONVERSION IMPACT RATING

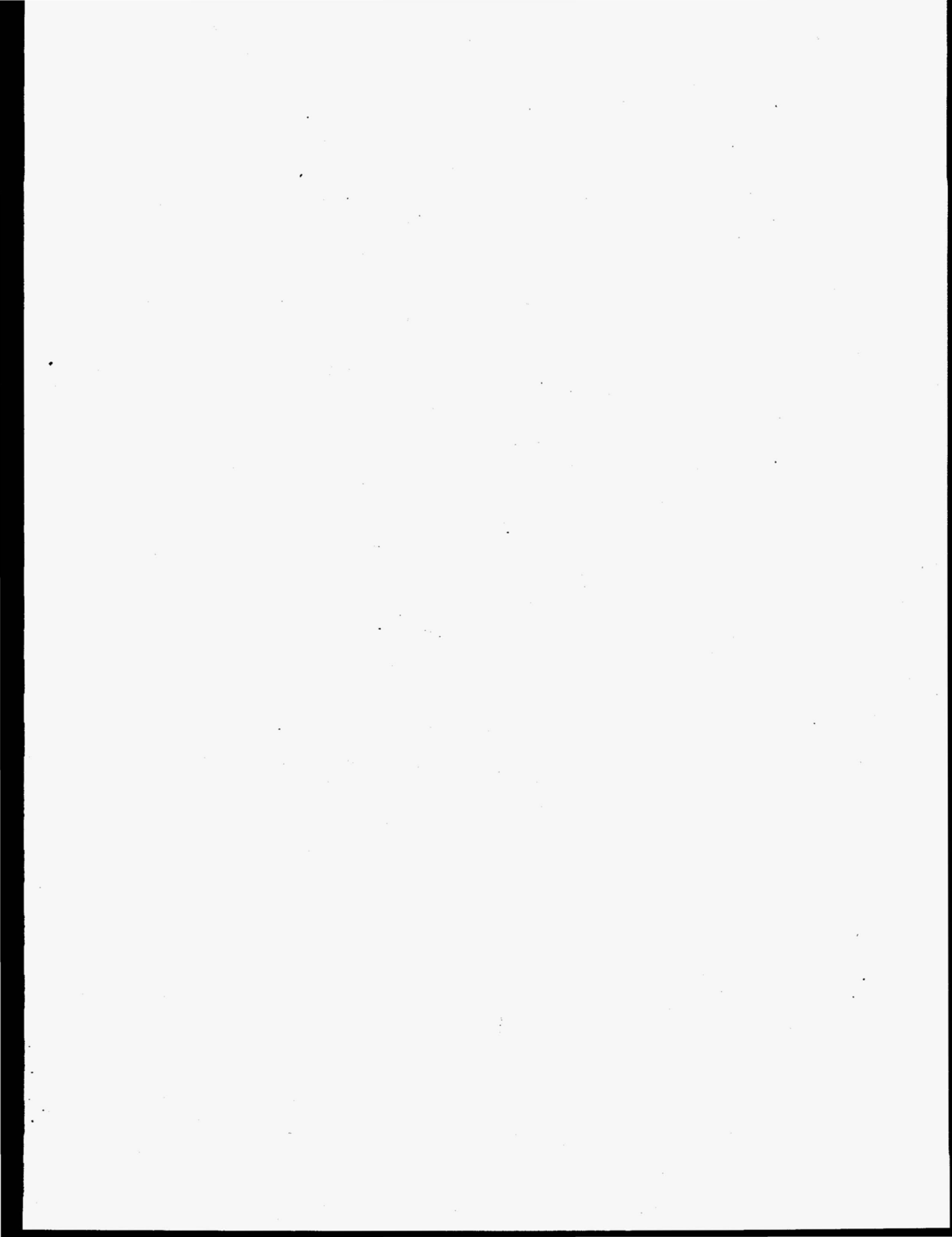
PART I (To be completed by Federal Agency)		Date Of Land Evaluation Request <u>June 2, 1992</u>	
Name Of Project <u>Construction & Operation of a Solid Waste Landfill</u>		Federal Agency Involved <u>Department of Energy</u>	
Proposed Land Use <u>Solid Waste Landfill</u>		County And State <u>Pike County, Ohio</u>	
PART II (To be completed by SCS)		Date Request Received By SCS <u>6-9-92</u>	
Does the site contain prime, unique, statewide or local important farmland? <i>(If no, the FPPA does not apply - do not complete additional parts of this form).</i>		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Major Crop(s)		Acres Irrigated	Average Farm Size
Name Of Land Evaluation System Used		Amount Of Farmland As Defined In FPPA Acres: %	
Name Of Local Site Assessment System		Date Land Evaluation Returned By SCS <u>6-9-92</u>	
PART III (To be completed by Federal Agency)		Alternative Site Rating	
		Site A	Site B
A. Total Acres To Be Converted Directly		38	38
B. Total Acres To Be Converted Indirectly		--	--
C. Total Acres In Site		38	38
PART IV (To be completed by SCS) Land Evaluation Information			
A. Total Acres Prime And Unique Farmland			
B. Total Acres Statewide And Local Important Farmland			
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted			
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value			
PART V (To be completed by SCS) Land Evaluation Criterion			
Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)			
PART VI (To be completed by Federal Agency)		Maximum Points	
Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))			
1. Area In Nonurban Use			
2. Perimeter In Nonurban Use			
3. Percent Of Site Being Farmed			
4. Protection Provided By State And Local Government			
5. Distance From Urban Buildup Area			
6. Distance To Urban Support Services			
7. Size Of Present Farm Unit Compared To Average			
8. Creation Of Nonfarmable Farmland			
9. Availability Of Farm Support Services			
10. On-Farm Investments			
11. Effects Of Conversion On Farm Support Services			
12. Compatibility With Existing Agricultural Use			
TOTAL SITE ASSESSMENT POINTS		160	
PART VII (To be completed by Federal Agency)			
Relative Value Of Farmland (From Part V)		100	
Total Site Assessment (From Part VI above or a local site assessment)		160	
TOTAL POINTS (Total of above 2 lines)		260	

Site Selected: _____ Date Of Selection: _____ Was A Local Site Assessment Used? Yes No

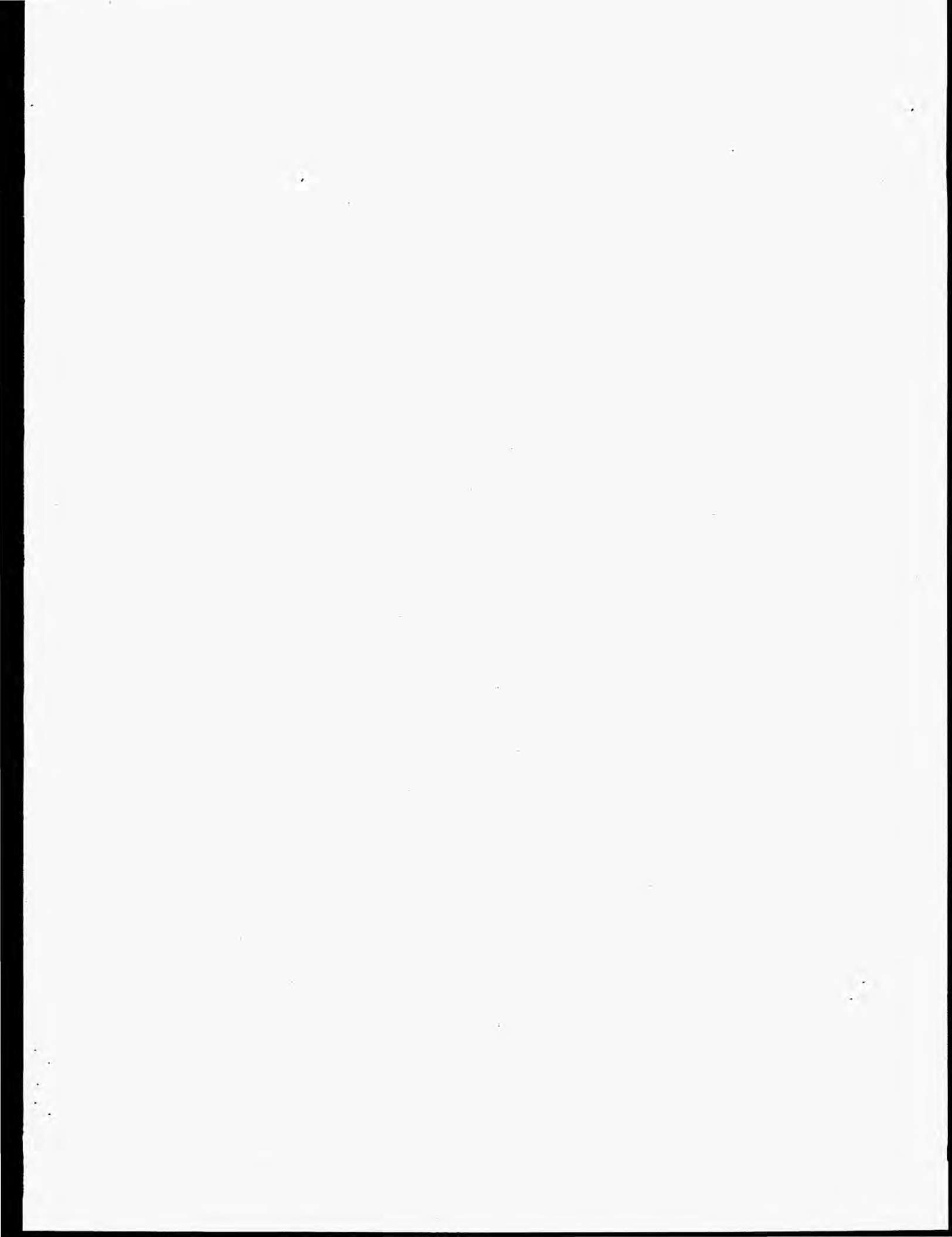
Reason For Selection: _____

REFERENCES

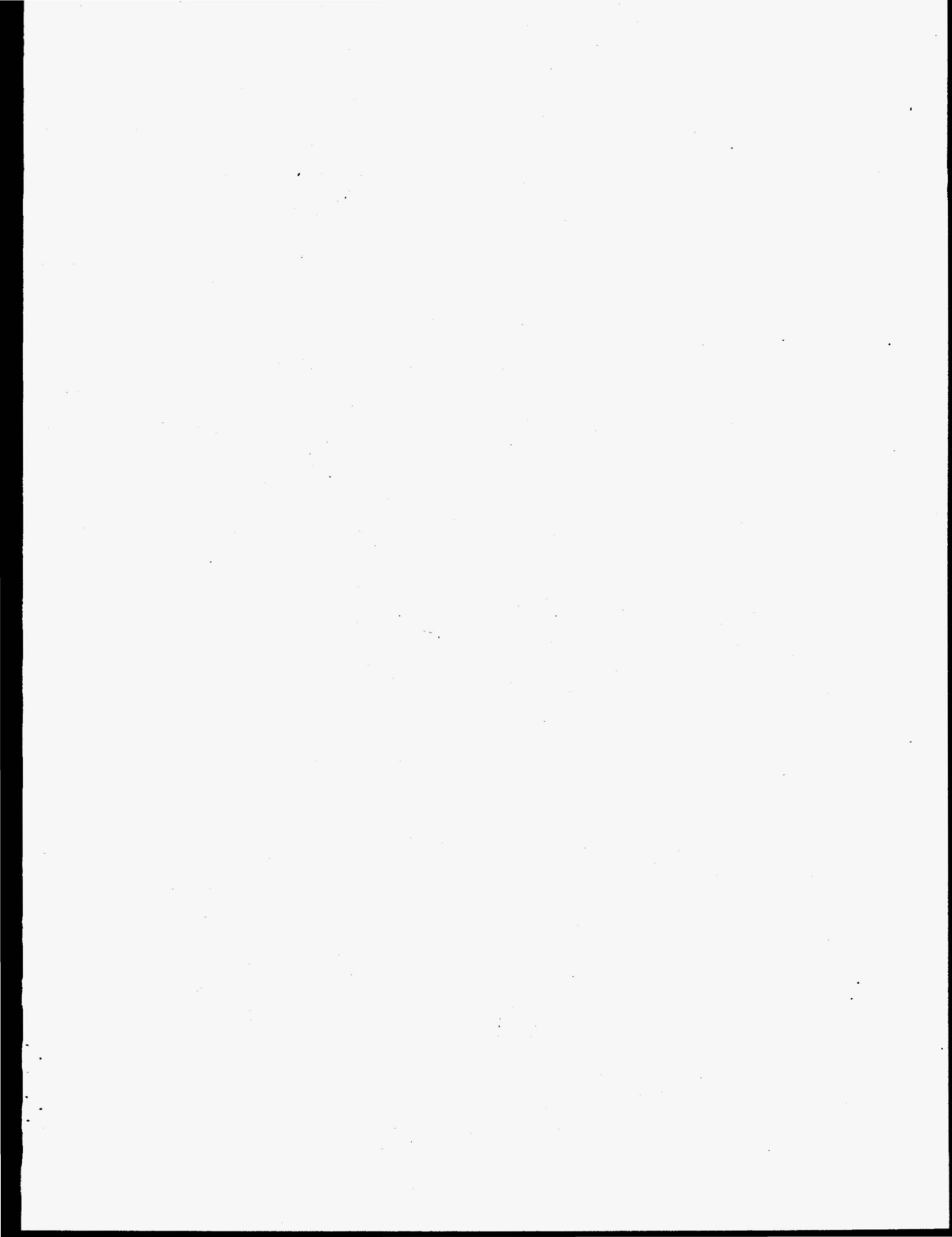
- Kooser, James G. and Wilson T. Rankin. A modified point-centered quarter sampling technique: a tool for plant community classification and evaluation. Division of Natural Areas and Preserves, Ohio Department of Natural Resources, Morse Road, Columbus, Ohio 43224.
- Wetlands Identification: Federal Manual for Identifying and Delineating Jurisdictional Wetlands. August 1989. Government Institutes Inc.
- Strausbaugh, P.D. and Earl L. Core, 1977. Flora of West Virginia. Seneca Books, Inc., Grantsville, West Virginia.



APPENDIX B: SOLID WASTE LANDFILL DECISION MATRIX



This appendix contains the Solid Waste Landfill Decision Matrix, which was developed by a committee composed of the Project Management, Engineering, Waste Management, and Environmental Management divisions. The matrix is based on project knowledge and the known hydrology (surface and groundwater) and local topography of each alternative site.



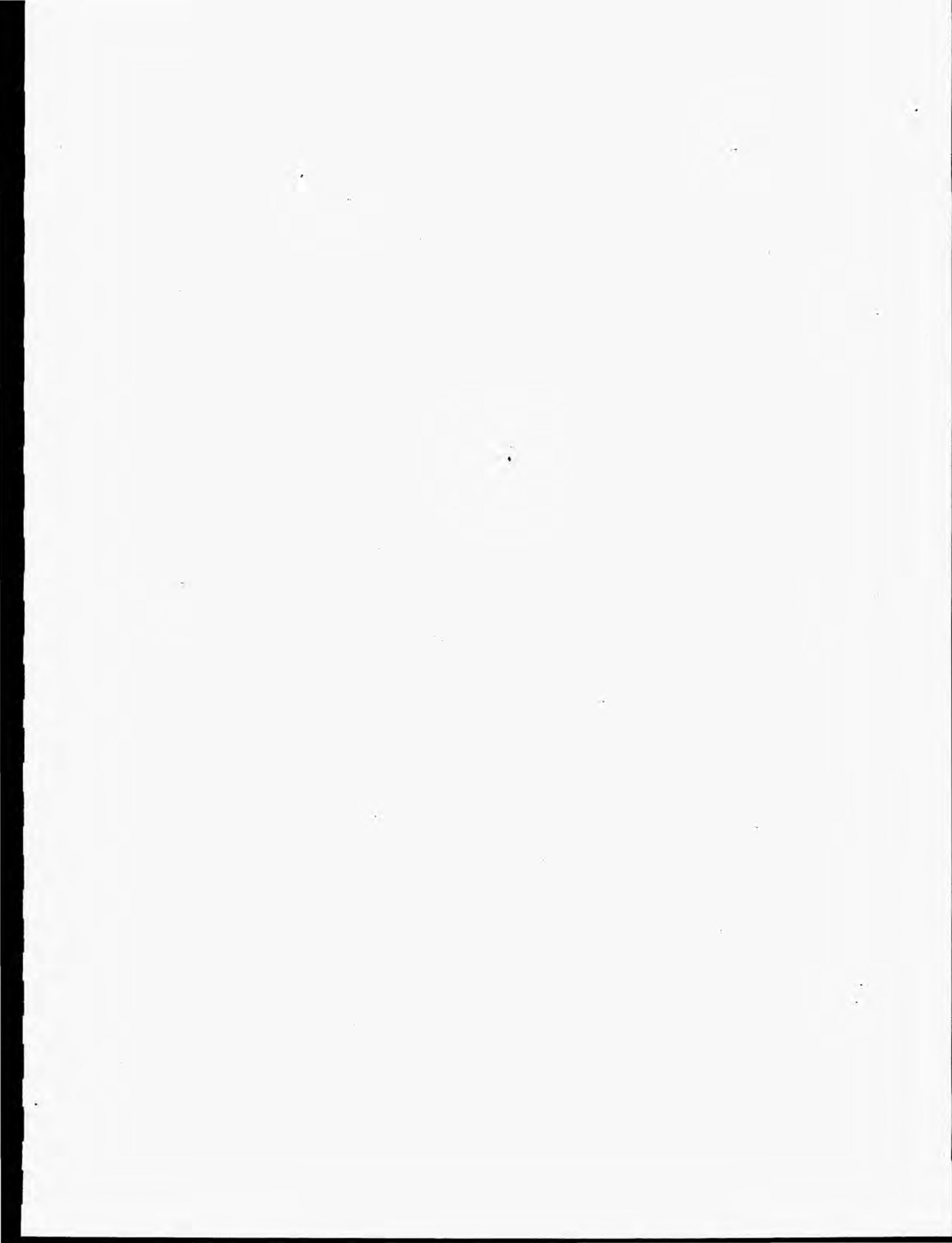
PORTS Solid Waste Landfill Decision Matrix

DESCRIPTION/CRITERIA	NORTH SITE	BORROW AREA SITE	WEST SITE	EAST SITE	SOUTH SITE #1	SOUTH SITE #2
Locate so that there is 15 feet between the uppermost groundwater aquifer and bottom of the waste unit clay liner	6	6	2	4	2	4
Do not locate in a 100-year flood way	6	6	6	6	6	6
Do not locate in sand or gravel pit if sand or gravel has not been completely removed	6	6	6	6	6	6
Do not locate in a limestone or sandstone quarry	6	6	6	6	6	6
Do not locate so that contaminants could reach a public water supply well within five years	6	6	6	6	6	6
Do not locate above a sole source aquifer	6	6	6	6	6	6
Do not locate in an area of potential subsidence caused by an underground mine	6	6	6	6	6	6

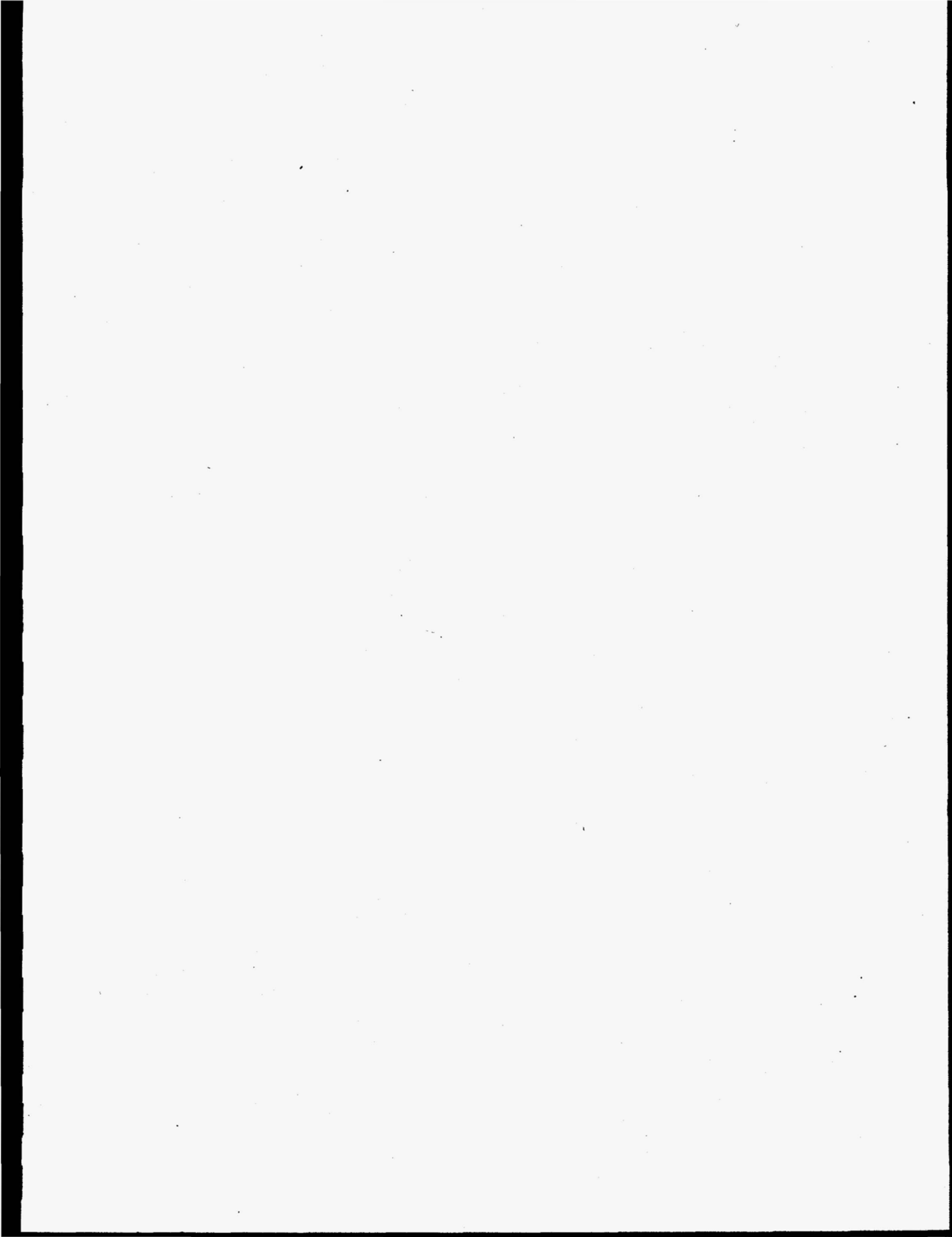
PORTS Solid Waste Landfill Decision Matrix

DESCRIPTION/CRITERIA	NORTH SITE	BORROW AREA SITE	WEST SITE	EAST SITE	SOUTH SITE #1	SOUTH SITE #2
Do not locate above an unconsolidated aquifer capable of sustaining a well within 1,000 feet of the waste that will yield 100 gpm for 24 hours	6	6	6	6	6	6
Do not locate within 200 feet of a fault that has had a displacement in Holocene time	6	6	6	6	6	6
Do not locate within 1,000 feet of a well, developed spring, or house	6	6	6	6	6	6
Do not locate within 300 feet of the property line	6	5	6	6	6	6
Do not locate within 200 feet of a stream, lake, or wetland	6	6	6	6	6	6
Located within the confines of PORTS reservation	6	6	6	6	6	6
Utility installation costs	6	4	3	3	5	4
Site topography	4	1	2	1	5	6
Potential for contaminated soils	6	6	6	6	1	3

**APPENDIX C: GROUNDWATER MONITORING SYSTEM AND LANDFILL
DIAGRAMS**



Following are (1) diagrams for the placement of groundwater monitoring wells at the proposed north location and (2) a detailed depiction of the type of groundwater monitoring well that would be installed for the monitoring system. The hydrogeologic and geotechnical investigation for the proposed industrial solid waste landfill has been initiated but not completed. Also included are diagrams from the *Conceptual Design Report for New Solid Waste Landfill*, depicting the general layout and details of construction for the leachate collection system, the other support buildings, the various layers necessary to line and cap each cell, and the orientation of cells.



**THE UNITED STATES DEPARTMENT OF ENERGY
ANNOUNCES THE AVAILABILITY FOR PUBLIC REVIEW
OF THE ENVIRONMENTAL ASSESSMENT
AND
FINDING OF NO SIGNIFICANT IMPACT
FOR THE CONSTRUCTION AND OPERATION OF
AN INDUSTRIAL SOLID WASTE LANDFILL**

The U.S. Department of Energy (DOE) announces that the Environmental Assessment (EA) report and Finding of No Significant Impact (FONSI) for the Construction and Operation of an Industrial Solid Waste Landfill at the Portsmouth Gaseous Diffusion Plant have been placed in the Environmental Information Center and are available for public review through December 21, 1995.

DOE prepared an EA to analyze the potential environmental consequences of this proposed action and the alternatives. This EA was prepared in accordance with the requirements of the National Environmental Policy Act (NEPA), the Council on Environmental Quality regulations implementing NEPA, and the DOE NEPA regulations. The purpose of this EA was to evaluate potential impacts to resources directly or indirectly affected by the construction and operation of the new industrial solid waste landfill on plantsite. The EA describes the resources in the existing environment of PORTS that could be impacted by the proposed action. Based on the analysis in the EA, DOE has determined that the proposed action is not a major Federal action that would significantly affect the quality of the human environment within the context of NEPA. Therefore, preparation of an Environmental Impact Statement (EIS) is not required, and DOE has issued a FONSI.

The EA and FONSI for the Construction and Operation of an Industrial Solid Waste Landfill are available at the following location and times:

U.S. Department of Energy's
Environmental Information Center
505 W. Emmitt Avenue, Suite 3
Waverly, Ohio 45690
Telephone: (614) 947-5093

Hours: Monday, Tuesday, Wednesday, & Friday 10:00 am - 4:00 pm
Thursday 9:00 am - 12:00 noon

Technical Contact: Dewintus Perkins
NEPA Document Manager
U.S. Department Of Energy
P.O. Box 700
Piketon, Ohio 45661
Telephone: (614) 897-5524

Questions concerning the DOE NEPA process may be directed to Carol Borgstrom (202) 586-4600 or (800) 472-2756.

memorandum

DATE: October 25, 1995

REPLY TO


ATTN OF: SE-311:Phillips

SUBJECT: FINAL ENVIRONMENTAL ASSESSMENT FOR THE CONSTRUCTION AND OPERATION OF AN INDUSTRIAL SOLID WASTE LANDFILL AT PORTSMOUTH GASEOUS DIFFUSION PLANT, PIKETON, OHIO (DOE/EA-0767)

TO: Robert D. Dempsey, Assistant Manager for Environmental Management, EW-90

The above referenced Environmental Assessment (EA), dated October 1995, has been reviewed in accordance with delegated responsibilities under Department of Energy (DOE) 5440.1E. Based upon review, recommendations made by your staff, and after consultation with the Office of Chief Counsel and the National Environmental Policy Act (NEPA) Compliance Officer, I have determined that the EA is adequate for publication and is hereby approved. I have also determined that within the meaning of the NEPA, the proposed action is not a major Federal action significantly affecting the quality of the human environment. Therefore, the preparation of an Environmental Impact Statement is not required. The basis for this determination is explained in the attached Finding of No Significant Impact (FONSI).

Please note that your office is responsible for providing public notice of the availability of the EA and FONSI in accordance with 40 CFR 1506.6(b); 10 CFR 1021.322; and DOE 5440.1E, paragraph 6A(24). I am providing a copy of these documents for your files.



James C. Hall
 Manager

Attachments

cc w/attachments:

- M. Kleinrock, EM-22, HQ/FORS
 - P. Phillips, SE-311, ORO
 - R. Sleeman, EW-91, ORO
 - S. Riddle, EW-91, ORO
 - L. Cusick, LMES, K-25
 - D. Taylor, LMES, PORTS
 - D. Perkins, EF-21, PORTS
 - J. Sheppard, EF-21, PORTS
 - C. Borgstrom, EH-42, HQ/FORS (5 copies & 1 electronic copy)
- Environmental Information Center, Waverly, Ohio

FINDING OF NO SIGNIFICANT IMPACT

Construction and Operation of an Industrial Solid Waste Landfill

at Portsmouth Gaseous Diffusion Plant, Piketon, Ohio

AGENCY: U.S. DEPARTMENT OF ENERGY

ACTION: FINDING OF NO SIGNIFICANT IMPACT

SUMMARY: The U.S. Department of Energy (DOE) has completed an environmental assessment (DOE/EA-0767) of the proposed construction and operation of an industrial solid waste landfill at the Portsmouth Gaseous Diffusion Plant (PORTS), Piketon, Ohio. The proposed action would involve construction of an area-fill design landfill using a phased approach. The new landfill would be located within the boundaries of the PORTS and would receive paper products, demolition debris, plastics, garbage, yard wastes, wood, fly ash, and asbestos. Based on the results of the analysis reported in the EA, DOE has determined that the proposed action is not a major Federal action that would significantly affect the quality of the human environment within the context of the National Environmental Policy Act of 1969 (NEPA). Therefore, preparation of an environmental impact statement (EIS) is not necessary, and DOE is issuing this Finding of No Significant Impact (FONSI).

PUBLIC AVAILABILITY OF EA AND FONSI: Copies of the EA and FONSI may be reviewed at the following address and obtained from:

Mr. Eugene W. Gillespie, Site Manager
U.S. Department of Energy
P.O. Box 700
Piketon, Ohio 45661-0700
Telephone: (614) 897-5010.

INFORMATION ON THE NEPA PROCESS: For information on the NEPA process, please contact:

Ms. Patricia W. Phillips, NEPA Compliance Officer
U.S. Department of Energy
Environmental Protection Division, SE-311
200 Administration Road
Oak Ridge, Tennessee 37830-8739
Telephone: (423) 576-4200.

BACKGROUND: The U.S. Department of Energy (DOE), Office of Waste Management, proposes to construct and operate a solid waste landfill within the boundary of the Portsmouth Gaseous Diffusion Plant (PORTS), Piketon, Ohio. The purpose of the proposed action is to provide PORTS with additional landfill capacity for non-hazardous and asbestos wastes. The proposed action is needed to support continued operation of PORTS, which generates non-hazardous waste on a daily basis and asbestos waste intermittently.

ALTERNATIVES: Three alternatives are evaluated in this environmental assessment (EA): the proposed action (construction and operation of the X-737 landfill), no-action, and offsite shipment of industrial solid wastes for disposal.

If no action is taken, the landfill presently in use, X-735, would continue to operate until it has reached capacity; at the current waste generation rate, this is estimated to be late in 1996. At that time, X-735 would be closed, and PORTS would lack a disposal facility for its non-hazardous and asbestos wastes. (Closure of X-735 is would be the subject of a future environmental review and is not part of this proposed action.) Offsite disposal would require that wastes be shipped separately to a non-hazardous waste disposal facility and an asbestos disposal facility. A potential drawback to offsite shipment is the cost associated with screening PORTS wastes for specific contaminants prior to shipment in order to meet offsite facility disposal criteria.

ENVIRONMENTAL IMPACTS: Results of impacts analyses are as follows:

Land Use

There would be no adverse impacts because the landfill would be constructed and operated in an industrial area.

Geology and Soils

Development of the landfill would alter local topography. Based on consultation with the Pike County office of the U.S. Department of Agriculture, Soil Conservation Service, no prime farmland would be affected by the proposed action.

Air Quality

Fugitive dust and gaseous exhaust would result from vehicles, heavy equipment, and traffic during construction and operation of the landfill. Impacts would be short-term, sporadic, and localized in the immediate area of the landfill. Pollutants would dilute and disperse in the atmosphere as they

travel offsite. Thus, offsite ambient air quality would not be adversely affected.

Water Resources

Minor erosion and sedimentation could occur from soils disturbance. Siltation could temporarily increase suspended solids in Little Beaver Creek and nearby tributaries. The proposed landfill would be lined and would have a leachate collection system, in accordance with State of Ohio regulations. Therefore, leachate migration to surface waters and groundwater would not be expected to result in adverse impacts.

Biota

Less than 1% of forested land within a 5-mile radius of PORTS would be removed by the proposed action. Wildlife at the proposed landfill site would be displaced to nearby similar habitat, which is abundant. Consultation with the U.S. Fish and Wildlife Service indicates that no threatened or endangered species or critical habitat would be affected by the proposed action.

Floodplain/Wetlands

The proposed site is not located within a floodplain, and no wetlands would be affected.

Cultural Resources

The proposed project would not affect any sites on or eligible for the National Register of Historic Places or archaeological resources. Concurrence of the State Historic Preservation Officer was obtained.

Socioeconomics

The local economy and infrastructure would not be impacted by the proposed action because force would come from the current PORTS work force.

Environmental Justice

The proposed action would not result in significant adverse impacts, and thus would not disproportionately affect minority populations near Portsmouth.

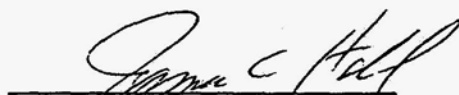
Health and Safety

PORTS workers would be exposed to standard industrial hazards associated with the operation of heavy machinery and landfill equipment. The proposed

action would not present any unique hazards to occupational health and safety.

DETERMINATION: Based on the findings of this EA, DOE has determined that the proposed construction and operation of an industrial solid waste landfill at the Portsmouth Gaseous Diffusion Plant would not constitute a major Federal action that would significantly affect the quality of the human environment within the context of the National Environmental Policy Act. Therefore, preparation of an environmental impact statement is not required.

Issued by the U.S. Department of Energy, Oak Ridge Operations Office, Oak Ridge, Tennessee, this 25th day of October, 1995.



James C. Hall

Manager, Oak Ridge Operations Office