LARGE FILING SEPARATOR SHEET

CASE NUMBER: 16-1166-GA-BLN

FILE DATE: 6/30/16

SECTION: 2 OF 2

NUMBER OF PAGES: 120

DESCRIPTION OF DOCUMENT:

ATTACHMENT C & D - CONTINUED

| Table 1. Characteristic plant species | Fan success | Fan species | Fan species | Fan success | Fa

End of Narrative Rating. Begin Quantitative Rating on next page.

	& W-17
Site: South Field Energy Interconnection Facilities Rater(s): B. Slaby	B. Slaby 4/30/2015
3 3	urounding land use.
max 14 pts. subbits 20. Calculate nervings builder vivilts. Solicit only on a loss sign accors. Do not double chack. WIDE Buthern exerces 50m (164 ft) or more around vederal perimeter (1) WIDEDIMA builders severage 50m (164 ft) or more around vederal perimeter (1) WARROW. Builders average 10m (0-45m (24t to -420ft) around vederal perimeter (1) VERY LOW. Builders average 10m (0-45m) around vederal perimeter (3) VERY LOW. Detail or to a color feed to price, and prices (3) X LOW. Old seld (2) (1) seas), shoulder, journey accord growth (rose), and (1) X NOW. Old seld (2) (1) seas), shoulder, journey accord growth (rose), and the life (1) X HOURTRATELY HIGH. Residential, femod peature, part, conservation tallage, new faitow field (3)	ssign score. Do not folioble theck. avoid velebral partineler (4) or folidit sound velebral partineler (4) if to <20x) transmit velebral partineler (1) if to <20x) transmit velebral partineler (1) or theck and partineler (0) or theck and evenego. or services velebral partineler (0) or services velebral partineler (0) or services or services (0) status partineler (0) status partineler (0) status partineler (1) or services (1)
18.5 29.5 Metric 3. Hydrology.	29. Connectivity. Score all that apply. X
None or none apparent (12) Concic all disturbances observed	
8.5 38 Metric 4. Habitat Alteration and Development. max 20 pts. authors 4s. Substitute disturbance. Sicce one or double disext and swrings. X Recovered (2) X Recovering (2) X Recovering (2) X Recovering (2) Abort 150 and 15	I Development. d average.
	untwands observed struck-saping removal solution and struck-saping removal securition struck-saping removal securition struck-saping removal securition securition securition securition securities securities securities sec

last revised 1 February 2001 Jm

38

ORAM v. 5.0 Fleld Form Quantitative Reting

W-16 & W-17

Absent or comprises <0.11a (U.247) acres) contiguous area Present and eticer comprises small part of welland's vegalation and is of moderate quality, or comprises a significent part but its of low quality Native spp are dominant component of the vegetation, atthough makense andor detachence obtained rative app can elso be present, and species diversify moderate to moderately high, but generally wio presence of rare, threatened, or endangened spp Namebye Descripcion of Vegoriation Quality

Low spoil/weisky and/or predominance of normalities or destribunce

los each naive species A predominance of native species, with nonnative sign and/or species, with nonnative sign and/or species, with nonnative species and high species not order, and not always, the presence of rare, the safeman, or endanger Present in very small amounts or if more common of marginal quality Present and either comprises algorificant part of welland's vegetation and is of moderate quality, or comprises a small part and is of high Present in moderate amounts, but not of highest quality or in small amounts of highest quality resent in moderate or greater amounts and of highest quality Present and comprises significant part, or more, of wetlands vegetation and is of high quality. Moderate 1 to <4ha (2.47 to 9.88 acres) Low 0.1 to <1ha (0.247 to 2.47 acres) High 4ha (9.88 acres) or more Absent <0.1ha (0.247 acres) Metric 6. Plant communities, interspersion, microtopography. udflat and Open Water Class Qualit nown occurrence state/federal threatened or endangered species (10) Lake Erie coestal/hibutery wetland -unrestricted hydrology (10) Significant migratory songbird/water fowl habitat or usage (10) 퉏 Category 1 Welland. See Question 1 Qualitative Reding (-10) N Lake Erie coastal/Inbulary wedand-restricted hydrology (5) Rater(s): B. Slaby Lake Plain Sand Prairies (Oak Openings) (10) Metric 5. Special Wetlands. None (0)
6c. Coverage of Invasive plants. Refer to
Table 1 ORAM long from for list. Add or
deablict points for coverage. Coarse woody debris >15cm (6In) Standing dead > 25cm (10in) obh Check at that apply and score as indicated. Vegelated hummucks/tussucks Nearly absent <5% cover (0) Mature forested wetland (5) Moderate 25-75% cover (-3) Horizontal (plan view) Interspersion. Edensive >75% cover (-5) 3a. Wetland Vegetation Communities. Score all present using 0 to 3 scale. Amphiblan breeding pools Sparse 5-25% cover (-1) Relict Wat Prairies (10) Kd. Microtopography. Old growth forest (10) Voderately high (4) Moderately low (2) Aquatic bed Vioderate (3) Absent (1) Open Water Bog (10) Fen (10) High (5) Mudfiels Low (1) Forest Shrub Site: South Field Energy interco. 38 43 wobia 8 mex 20 pts. 0

Rater to the most recent ORAM score calibration report for the scoring breakpoints behaven calegories at the following address: http://epa.stelc.ch.us/dow/1011Acm

43 GRAND TOTAL (max 100 pts)

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ORAM Summary Worksheet

	Result	1	If yes, Category 3.	If yes, Category 3.	If yes, Category 3.	If yes, Category 3.	If yes, Category 1.	If yes, Catagory 3.	If yes, Category 3.	If yes, Category 3.	If yes, evaluate for Category 3; may also be 1 or 2.	If yes, evaluate for Category 3; may also be 1 or 2.	If yes, Category 3	If yes, evaluate for Category 3; may also be 1 or 2.	If yes, Category 3	If yes, evaluate for Category 3; may also be 1 or 2.							Category based on score breakpoints Modified 2
answer or	insert	score	YES (NO	YES (NO	YES (NO	YES (NO	YES (NO	YES (NO	YES (NO	YES (NO	YES (NO	I –	YES (NO	YES (NO	_	VES (NO	3	8	18.5	8.5	0	2	43
			Question 1 Critical Habitat	Question 2. Threatened or Endangered Species	Question 3. High Quality Natural Wetland	Question 4. Significant bird habitat	Question 5. Category 1 Wettands	Question 6. Bogs	Question 7. Fens	Question 8a. Old Growth Forest	Question 8b. Mature Forested Wetland	Question 9b. Lake Erie Wetlands - Restricted	Question 9d. Lake Erie Wetlands – Unrestricted with native plants	Question 99. Lake Erie Wetlands - Unrestricted with invasive plants	Question 10. Oak Openings	Question 11. Relict Wet Prairies	Metric 1. Size	Metric 2, Buffers and surrounding land use	Metric 3. Hydrology	Metric 4. Habitat	Metric 5. Special Wetland Communities	Metric 6. Plant communities, interspersion, microtopography	TOTAL SCORE
			Narrative Rating														Quantitative Rating						

Complete Wetland Categorization Worksheet

Wetland Categorization Worksheet

			Evaluation of Camportzation Nasult of Country
Did you answer "Yes" to any	YES	(ON	is quantitative rating score less than the Category 2 scoring
of the following questions:	Wellend is)	threshold (excluding gray zone)? If yes, reevaluate the
Namative Rating Nos. 2, 3,	categorized as a		category of the wettano using the nathause cateria in OAC Rule 3745-1-54(C) and biological and/or functional
4, 6, 7, 8a, 9d, 10	Category 3 wetland	(assessments to determine if the wetland has been over- categorized by the ORAM
Did you answer "Yes" to any	YES	(ON	Evaluate the wetland using the 1) narrative criteria in OAC
of the following questions:	744-4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-)	Rule 3745-1-54(C) and 2) the quantitative rating score. If
Namative Rating Nos 1.8h	evaluated for		the welland is determined to be a Category 3 welland using either of these if should be referentized as a Category 3
9b, 9e, 11	possible Category		welfand. Detailed biological and/or functional assessments
	Status		may also be used to determine the wettand's category.
Uld you answer "Yes" to	YES	ᢓ)	Is quantitative rating score <i>greater</i> than the Category 2
Namative Rating No. 5	Wedand is		reevaluate the category of the welland using the narrative
	categorized as a Category 1 wetland		criteria in OAC Rule 3745-1-54(C) and biological and/or functional assessments to determine if the wetland has
Door the manifelian soon	VEG		Seen under-categorized by the OrcaM
fall within the scoring range	8	<u> </u>	If the score of the wettern is rocated within the scoring range for a particular category, the wetland should be
of a Category 1, 2, or 3	Wettand is		assigned to that category. In all Instances however, the
wetland?	assigned to the		narrative criteria described in OAC Rule 3745-1-54(C) can
	appropriate		be used to clarify or change a categorization based on a
	Category based on		quantistive score.
Does the quantitative score	(YES)	ON	Rater has the option of assigning the wetland to the higher
Call wan the gray zone Tor	10000000		of the two categories or to assign a category based on the
Catagory 1 of 2 of Catagory	Weband IS		results of a nonrapid wetland assessment metroo, e.g.
4 of 5 metallos	higher of the two		uncooral assessment, bloogical assessment, etc. and a consideration of the narrative craeria in OAC rule 3745-1-
	categories or		54(C).
	assigned to a		
	detailed		
	assessments and		
	the narative criteria	(
Does the wetland otherwise	YES	(ON)	A wetland may be undercategorized using this method, but
exhibit moderate Ok superior) !	still exhibit one or more superior functions, e.g., a welland's
recreational functions AND	wedang was	weigndre	blodic communications may be degraded by number activities, but the united most effit exhibit among the hadrologic
the welland was not	by this method. A	category as	functions because of its type, landscape position, size, local
categorized as a Category 2	written justification	determined	or regional significance, etc. In this circumstance, the
welland (in the case of	for recategorization	by the	namative criteria in OAC Rule 3745-1-54(C)(2) and (3) are
Category 3 wetland (in the	on Background	OSAW.	conduining, and the under-categorization should be corrected. A written justification with supporting passons or
case of superior functions) by	Information Form		information for this determination should be provided.
this method?			

	Category 3	
Category	Category 2	
Final	Category 1	
	Choose one	

End of Ohio Rapid Assessment Method for Wetlands.

Background Information

Date: 04/29/2015 Affiliation: EnviroScience Inc. Address: 5070 Stow Road, Stow, Ohio 44224 Priore Mumber: 330-688-0111 Name of Wetland: W-18 Vagatation Communitives) PEM HAM Grassion: Depression Leaflor of Wetland: Include map address, morth arrow, landmarks, distances, roads, etc. Please refer to site wetlands and water resources map. Please refer to site wetlands and water resources map. Lattlong or UTM Coordrade County County County County County Mestign and Subsection Hydrologic Unit Coordrade West Double Wetland Inventory Map X Sed Burrey X Delinestion report/map X Delinestion report/map X	Name: Brian Slaby	
EnviroScience Inc. 5070 Stow Road, Stow, Ohio 44224 nive: 330-688-0111 1 Wetland: W-18 1 Communities): PEM 1 (Season of the season of the	Data: 04/29/2015	
Figure 1 Total Stown Road, Stow, Ohio 44224 Tress: BSlaby@EnviroScienceInc.com of Wetland: W-18 1 Communit(Hes): PEM \$(es): Depression 1 Woutland: Include map, address, north arrow, landmarks, distances, roads, etc. 1 Total Cocodinate 1 Total Cocodinate 1 Subsection 1 Unit Code 2 Unit Code 2 Unit Code 3 Unit Code 4 U		
of Wetland: W-18 of Wetland: Include map, address, north arrow, landmarks, distances, roads, etc. of Wetland: Include map, address, north arrow, landmarks, distances, roads, etc. of Wetland: Include map, address, north arrow, landmarks, distances, roads, etc. of Wetland: Include map, address, north arrow, landmarks, distances, roads, etc. of Wetland: Include map, address, north arrow, landmarks, distances, roads, etc. A 0.640406, -80.7022 A 100429, Wester of the Code #05.29 A 297 A 297 A 297 A 297 A 201 A 2		
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e refer to site wetlands and water resources map. e refer to site wetlands and water resources map. 40.640406, -80.7025 and Name Colum Subsection Curit Code Curit Code Wester Wester Wester Colum Yellow I and Inventory Map X rand Inventory Map Not it is the wetlands and water resources map. X rand Inventory Map X rand Inventory Map X rand Inventory Map X x x report/map	HGM Chass(es): Depression	
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or UTM Coordinate 40.640406, -80.7025 and Name Colum Yellow nd Subsection c Unit Code West F And Inventory Map X rand Inventory Map Note that Inventory Map Note		
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nd Subsection c Unit Code Welfand Inventory Map Jand Inventory Map Sy No report/map	USGS Quad Name	West Point
nd Subsection c Unit Code Metand Inventory Map faind Inventory Map sy y	County	Columbiana
nd Subsection c Unit Code Wetland Inventory Map Jand Inventory Map sy n report/map	Township	Yellow Creek
c Unit Oode Wetland Inventory Map Jand Inventory Map Sy No report/map	Section and Subsection	
Verland Inventory Map	Hydrologic Unit Code	#05030101
r Map	Sile Visit	04/29/2015
тМар	National Weltand Inventory Map	×
	Ohb Wetland Inventory Map	
	Soil Survey	×
	Овіпевіол герол/тар	×

8 -\0.		
Wetland Size (acres, hectares): 0.031 acres onsite		
Sketch: Include north arrow, relationship with other surface waters, vegetation	zones, etc.	
Please refer to site wetlands and water resources map.		
Comments, Narrative Discussion, Justification of Category Changes:		
		_
	L	_
	7.450000	_

Scoring Boundary Worksheet

INSTRUCTIONS. The initial step in completing the ORAM is to identify the "scoring boundaries" of the wedand being rated. In many instances this determination will be relatively easy and the scoring boundaries will coincide with the "funishicitonal boundaries." For example, the scoring boundary of an isolated cattain imarsh located in the middle of a farm field will likely be the same as that wetland's jurisdictional boundaries. In other instances, however, the scoring boundary will not be as easily determined. Wetlands that are small or isolated from other surface waters often form large contiguous areas or heterogeneous complexes of wetland an upland. In separating wetlands for scoring purposes, the hydrologic regime of the wetland is the main criterion that should be used. Boundaries between contiguous or connected wetlands should be established where the volume, flow, or velocity of water moving through the wetland changes significantly. Areas with a high degree of hydrologic interaction should be sooved as a single wetland. In determining a wetland's social boundaries, late projective intended that flow of the stabilish the scoring boundary for the wetland being rated. These problem situations include wetlands that form a patchwork on the hardscape, wetlands divided by artificial boundaries like property fences, roads, or raitonal embankments, welland that are contiguous with streams, lakes, or rivors, and estuarine or coastal wellands. These situations are discussed below, bowever, it is recommended that Rater contact Ohio EPA, Division of Surface Water, 401/Wetlands Socion if there are additional questions or a need for further clarificial on the appropriate scoring boundaries of a particular wetland.

*		done?	not applicable
Step 1	Identify the welland area of interest. This may be the sits of a proposed impact, a reference site, conservation site, etc.	×	
Step 2	Identify the locations where there is physical evidence that hydrology changes rapidly. Such address thetudes both natural and human-induced changes including, constitutions caused by berrins or dileas, points where the water voice's though early and public or fails, points where significant inflows occur at the confluence of rivers, or other factors that may residic hydrologic interaction between the wellands or parts of a single welland.	×	
Step 3	Delinesis the boundary of the welland to be rated such that all areas of inferest that are occupances to and within the areas every where the hydrology does not change significantly, i.e. areas that have a high degree of hydrologic interaction are included within the socing boundary.	×	
Step 4	Determine if artificial boundaries, such as property lines, state lines, roads, railroad entharments, etc., are present. These should not be used to establish scoring boundaries unless they coincide with areas where the hydroxgic regime changes.	×	
Step 5	In all instances, the Rater may enlarge the minimum scoring boundaries discussed here to some together wetlands that could be scored separately.		×
Step 6	Consult OFAM Manual Section 5.0 for how to establish scoring boundaries to wellands that form a patchwork on the landscape, dividend by addicial boundaries, contiguous to streams, lakes or rivers, or for dual classifications.		×

End of Scoring Boundary Determination. Begin Narrative Rating on next page.

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Narrative Rating

INSTRUCTIONS. Answer each of the following questions. Questions 1, 2, 3 and 4 should be answered based on information obtained from the site visit or the literature and by submitting a Data Services Request to the Ohio Department of Natural Resources. Division of Natural Acress and Preserves, Natural Heritage Data Services, 1889 Fountain Square Court, Building F1, Columbus, Ohio 43224, [44.265-4536, [thone), 614-265-45096 (fax), http://www.dur.state.oh.us/duap. The remaining questions are designed to be answered primarily by the results of the site visit. Refer to the User's Manual for descriptions of these welland types. Note: "Critical habitat" is legally defined in the Endangered Species Act and is the geographic area containing physical or biological features essemita to the conservation of a listed species or as an area that may require special management considerations or protection. The Rater should contact the Region 3 Headquarters or the Columbus Ecological Services Office for updates as to whether critical habitat has been designated for other federally listed threatened or endangered species. "Documented" means the wulland is listed in the appropriate State of Ohio database.

#	Duestion	Circle one	
		2110	
-	Critical Habitat. Is the welland in a township, seadon, or subsection of a United States Geological Survey 7.5 minute Quadrangle that has been distillarated by the U.S. Fish and Widdlie Service as "critical habitat" for any finatelender or endangency faint or aminal speedies? Note: as of January 1, 2001, of the federally listed envangered or threatened species which can be found in Ohio, the Indiana Bat has had critical makinat designed (50 CFR 17 Sta), and in a pining plover has had critical habitat nonceed (55 FR 41812 July 6, 2000).	YES Welland should be evaluated for possible Category 3 status Go to Question 2	Go to Question 2
N	Threatened or Endangered Species. Is the welfand known to contain an individual of, or documented occurrences of federal or state-listed threatened or endangered plant or animal species?	YES Wetland is a Category 3 wetland. Go to Question 3	Go to Question 3
m	Documented High Quality Wetland. Is the welland on record in Natural Heritage Database as a high quality wetland?	YES Welland is a Category 3 wetland Go to Question 4	Go to Question 4
4	Significant Breeding or Concentration Area. Does the welland contain documented regionally significant breeding or norbreeding waterfowl, neotropical sorgibid, or shorebird concentration areas?	YES Wetland is a Category 3 wetland Go to Question 5	Go to Question 5
ي د	Category 1 Wotlands. Is the welland less than 0.5 hactares (1 acre) in size and hydrologically leolated and reither!) organizated or vegetalion that is charmated (greate than eighty per cent areal cover) by Phister's enundinaces. Lythurm safezina, or Phingmites australis, or 2) an additional cond created or excavated on mined lands that has fille or no vegglation?	YES Wetland is a Category 1 wetland Go to Question 6	Go to Question 6
s s	Bogs. Is the wetland a poat-accumulating wetland that (1) has no significant inches or outlands, 2) supports adopting mosses, particularly Sphagurar spp., 3) the addopting mosses have >30% cover. 4) at least one species from Table 1 is present, and 5) the cover of invasive species (see Table 1) is <25%?	YES Welland is a Category 3 welland Go to Question 7	Go to Question 7
7	Fers. Is the welland a carbon accumulating (peat, muck) welland that is seturated during most of the year, prinarily by a debrarge of free flowing, mineral rich, ground water with a circumnautral ph (5.5.9.0) and with one or more plant species listed in Table 1 and the cover of invasive species (sied in Table 1 & <25%?	YES Welland is a Category 3 wetland Go to Question 8a	Go to Question 8a
R 80	"Old Growth Forest." is the welland in forested welland and is the forest thereted and is the forest thereted by, but not limited to, the following characteristics: vorsitory carcopy frees of great age (exceeding at least 80% of a projected maximum attachale age for a species); limiten for no evidence of human-caused understory disturbance during the past 80 to 100 years; an all-aged structure and multilayered cancepies; aggregations of cancepi trees inferspersed with cancepi gass; and significant numbers of standing dead straigs and downed logs?	YES Wetland is a Category 3 wetland. Go to Question 85	Go to Question 8b

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ą	Mature to ested wedands. Is the wegand a forested wegand with	3	9
	or a construction of the control of	Wetland should be evaluated for possible	Go to Question 9a
		Category 3 status. Go to Ouestion 9a	(
8	Lake Erie coastal and tributary wetlands. Is the wetland located at	YES	
	an erevauori less uran 3/5 feet on the USAS map, adjacent to tris elevation, or along a tributary to Lake Erie that is accessible to fish?	Go to Question 9b	Go to Question 10
96	Does the wettand's hydrology result from measures designed to previous designed to	YES	Q.
	partially hydrologically restricted from Lake Erie due to lakeward or	Wetland should be	Go to Question 9c
	landward dikes or other hydrological controls?	evaluated for possible Category 3 stafus	
		Go to Question 10	
96	Are Lake Erie water levels the wettands primary hydrological influence.	YES	NO
	 the wedand is hydrologically unrestricted (no laxeward or upland honder alterations) or the welland can be characterized as an 	Gn to Question 9d	Go to Questlon 10
	"estuarine" wetland with lake and river influenced hydrology. These		
	include sandbar deposition wetlands, estuarine wetlands, river mouth wetlands, or those dominated by submersed equatic vegetation.		
2	Does the wetland have a predominance of native species within its	YES	ON ON
	native species can also be present?	Wetland is a Category	Go to Question Se
		3 wetland	
		Go to Question 10	
# #	Does the wettand have a predominance of non-native or disturbance tolerant native plant species within its vegetation communities?	YES	Q.
		Wetland should be evaluated for possible Cotogod 2 status	Go to Question 10
		Go to Question 10	(
10	Lake Plain Sand Prairies (Oak Openings) is the wettand located in	YES	(ON)
	closes, ruiton, reliny, or trood confines and can the webank be characterized by the following description: the wetland has a sandy	Wetland is a Category	Go to Question 11
	substrate with interspensed organic matter, a water table often within several inches of the surface and often with a dominance of the	3 wetland.	
	gramineous vegetation listed in Table 1 (woody species may also be	Go to Question 11	
	present). The Ohio Department of Natural Resources Division of Natural Areas and Preserves can provide assistance in confirming this		
Ę	type of wettand and its quality. Reflict Wet Prairies. Is the wetland a relict wet prairie community.	YES	(<u>P</u>
	dominated by some or all of the species in Table 1. Extensive prairies	})
	were formerly located in the Darby Plains (Madison and Union	Wettand should be	Complete
	Counties), cardusky Frank (vyganot, Crawioro, and Marion Counties), northwest Ohio (e.g. Erie, Huron, Lucas, Wood Counties).	Category 3 status	Rating
	and portions of western Ohio Counties (e.g. Darke, Mercer, Miami,		•
	Montgomery, Van Wert etc.).	Complete Clarification	

| Invastive broads agreed to the much or in the process of the pro

End of Narrative Rating. Begin Quantitative Rating on next page.

W-18 Site: South Fled Energy Inferconnection Fecilities Rateris): B. Slaby	4/30/2015
1	
D Metric 1. Wetland Area (size).	(B. r (4) for (1) for (2) for (3) for (4)
10.5 17.5 Metric 3. Hydrology. max 39 pts. suches 32. Sources of Water. Score at that teppy. High phy govordweld (5) Other groundwest (9) X. Precipilation (1) Sc. Maximum water depth. Seet only one massin source. 34. Maximum water depth. Seet only one massin source. (34. bo 0.7mr (15.7 to 27.5m) (2) (35. Maximum water depth. Seet only one massin source. (36. bo 0.7mr (15.7 to 27.5m) (2) (37. Water (25.7mr) (15.7mr) (15.7mr	D. Cornectivity, Score at that apply. 100 year foodplain (1) Bether an steamfake and other furnan use (1) Bether an steamfake and other forest, complex (1) Part of well-multiplain (6.9, forest), complex (1) Part of pleating or other decorder (1) Part of pleating or other decorder (1) Part of pleating or other decorder (4) Page and or other decorder (4) Regularly imunished cleaning (1) Regularly imunished (2) X. Seasonally salurated (1)
	point source (nonstammater) Illing/grading road beaf7R treck deredging X Other: part greating/saming
Metric 4. Habitat Alteration and Development. As Substants deturtance. Serve one or double check and average. None or none apparent (4) None or none apparent (4) None or none apparent (5) None or none apparent (6) None or none apparent (7) None or none apparent (7) None or none apparent (8) None or none apparent (9) None or none and assign score. None or none or none or none or not	
None activity of the control of the	shrub/saping renoval Perbeccousing-usin or account or a
last revised 1 February 2001 [m	

Absent or comprises <u. 1.1a (U.247) acres) configurous area Present and either comprises amell part of wellands vegodation and is of moderale quality, or comprises a significant part but is of low quality Vative spp are dominant component of the vegetation, although consister and/or statutence obtains raise be present, not species diversity moderate to moderate by taph, but generally win researce of rare, threatened, or endergreat spp. Present in very small amounts or if more common of marginal quality Present and either comprises significant part of wetland's vegetation and is of moderate quality, or comprises a smelt part and is of high A predominance of native species, with normative spp sindor and all and a present and high species, and high spp aleast or virtually absent, and high spp all oversity and often, but not always, the presence of rare, free ow spp diversity and/or predominance of norwative or disturbance slerant netive species Present in moderate amounts, but not of highest quality or in small smounts of highest quality pusity. Present and comprises significant pert, or more, of welland's regetation and is of high quality. esent in moderate or greater amounts and of highest quality Moderate 1 to <4 to 9.88 acres) Low 0.1 to <1ha (0.247 to 2.47 acres) High 4ha (9.88 acres) or more Metric 6. Plant communities, interspersion, microtopography. Narrative Description of Vegetation Quality known occurrence state/federal threshened or endangered species (10) Lake Erle coastal/tributary wetland -unrestricted hydrology (10) Significant migratory songbindwater fow habitat or usage (10) Š Category 1 Welland. See Question 1 Qualitative Rating (-10) Lake Erle coastal/hibutary wetland-restricted hydrology (5) Lake Plain Sand Preiries (Oak Openings) (10) Metric 5. Special Wetlands. M-18 Coarse woody debris >15cm (6in) Standing dead >25cm (10in) &h Check all that apply and score as indicated. Vegelated hummucks/tussucks X None (0)
c. Coverage of invasive plants. Refer to sable 1 ORAM long form for list. Add or Vearly absent <5% cover (0) Mature forested welland (5) Moderate 25-75% cover (-3) Horizontal (plan view) Interspension. Extensive >75% cover (-5) 6a. Welland Vegetation Communities.
 Score at present using 0 to 3 scale. Sparse 5-25% cover (-1) Amphibien breeding pools Gelict Wet Preiries (10) . Marolopography. one all present using 0 to 3 scale. Old growth forest (10) Moderately high (4) foderately low (2) Moderate (3) Aquatic bed Open Water Absent (1) Bog (10) Fen (10) Emergent Hgh (5) Mucflats Low (1) Shrub Ş ORAM v. 5.0 Field Form Quantitative Rating
Site: South Field Energy Intercox 28 29 28 (02) fret p O max 16 prit.

tegories at the following address: http://epe.state.ch.us/dsw/401/401.html Refer to the most recent ORAM score calibration report for the scoring breakpoints betwe

29 GRAND TOTAL (max 100 pts)

Φ

ORAM Summary Worksheet

		circle	
		answer or	1
		insert	Result
Narrative Rating	Question 1 Critical Habitat	YES (NO	If yes, Category 3.
	Question 2. Threatened or Endangered Species	YES (NO)	If yes, Category 3.
	Question 3. High Quality Natural Wetland	YES (NO	If yes, Category 3.
	Question 4. Significant bird habitat	YES (NO	If yes, Category 3.
	Question 5. Category 1 Wetlands	YES (NO	If yes, Category 1.
	Question 6. Bogs	VES (NO	If yes, Category 3.
	Question 7. Fans	YES (NO	If yes, Category 3.
	Question 8a. Old Growth Forest	YES (NO	If yes, Category 3.
	Question 8b. Mature Forested Wetland	YES (NO	If yes, evaluate for Category 3; may also be 1 or 2.
	Question 9b. Lake Erie Wellands - Restricted	YES (NO	If yes, evaluate for Category 3; may also be 1 or 2.
	Question 9d. Lake Erie Wetlands – Unrestricted with native plants	YES (NO	If yes, Category 3
	Question 9e. Lake Erie Wellands - Unrestricted with invasive plants	YES (NO)	If yes, evaluate for Category 3; may also be 1 or 2.
	Question 10. Oak Openings	YES (NO	If yes, Category 3
	Question 11. Relict Wet Prairies	YES (NO	If yes, evaluate for Category 3; may also be 1 or 2.
Quantitative Rating	Metric 1. Size	0	
.	Metric 2. Buffers and surrounding land use	7	
	Metric 3. Hydrology	10.5	
	Metric 4. Habitat	10.5	
	Metric 5. Special Wettand Communities	0	
	Metric 6. Plant communities, interspersion, microtopography	۲-	
	TOTAL SCORE	29	Category based on score breakpoints
			Category 1

Complete Wetland Categorization Worksheet.

Wetland Categorization Worksheet

Old you answer "Yes" to any YES (NO Perchanged great scrong) If you are related to the following questions: Westend is Namely early the following questions: Westend is Namely early following questions: Westend is Namely early following questions: Westend should be needed to the following questions: Westend is Namely early following questions: YES (24.6.10 most per	Cholces	Circle one		Evaluation of Categorization Result of ORAM
Wetand is a Categorized as a Categorized as a Categorized set and visitation of the visitation of visi	Did you answer "Yes" to any	YES	(S)	is quantitative rating score less than the Category 2 scoring
A category 3 westland Welland should be overstile category PES Welland is a category PES Welland is a category 1 welland Welland is a category 1 welland Welland is a category 1 welland Welland is assigned to the word category assed on the scoring range of the word category assed on the scoring range Welland is assigned to a category assed on category assed on the word category asset on assessments and category asset on a category asset on a category as written justification of the word of the should be about the provided of or recategor categor and without the provided of or recategor categor and information for meaning or mea	or the rowwing questions:	Wedandis)	threshold (excluding gray zone)? If yes, reevaluate the caleons of the welland using the natrative criteria in OAC
Weeland should be overshied calegory possible calegory Press NO NO Neeland is a calegory 1 weeland is a calegory 1 weeland is a calegory 1 weeland is assigned to the scoring range NES NO NES STATES NO NO Neeland is assigned to the nearest of calegory assed on the scoring range NES NO NES NEEL NO NES NO CALEGORY AND NES NO CALEGORY ASSIGNED IN NO NES	Namative Rating Nos. 2, 3, 4 6 7 8a 9d 10	Categorized as a		Rule 3745-1-54(C) and biological and/or functional persegnments to deforming if the worland has been over-
Welland should be varketed for possible Guegory YES Welland is addition of the possible Guegory 1 Welland is addition of the possible Guegory 1 wetland Welland is assigned to the sassigned to the calegory based on the scoring range in the sassigned to a calegory based on detailed assessments and the narrative calegorisation by this method. A written justification of the should be provided or recettegorisation by the should be provided or recettegorisation by the should be information for meaning information		wander o frakeren	_(categorized by the ORAM
Welland should be possible Calegory YES Welland is a Calegory 1 welland is a Calegory 1 welland is assigned to the calegory 1 welland is assigned to the calegory based on the sacing range in the sconting range in the range in	Did you answer "Yes" to any	YES	<u>Q</u>	Evaluate the wetland using the 1) narrative criteria in OAC Base 2245.154(2) and 2), the mentions retire some H
veeland for prossible Calegory 3 status NO Weeland is a calegory 1 wetland is calegory 1 wetland is a sestioned in the appropriate the calegory based on the souring transper of the horizontal status is assigned to the inject of the horizontal status is assigned to the inject of the horizontal status is assigned to the inject of the horizontal status is assigned to the inject of the horizontal status in assigned to a calegory based on detailed the manable of calegory as welland was wellend in the manable of calegory as written justification in the horizontal provided information conflicts in the calegory as written justification in the horizontal provided information for the	Figure 1	Wetland should be)	the welland is determined to be a Category 3 welland using
3 status NO Weeland Is Weeland Is Category 1 wetland CRES NO Weeland Is Sassigned to the ESSIGN Interpretation Weeland Is Sassigned to the Interpretation of celegory based on Category based on Interpretation Weeland Is Weeland Is Sassigned to the Interpretation Category based on Category based on Category based on Category based on Category as assigned to the Interpretation of celeral is Weeland Wes Weeland Wes Weeland Wes Weeland Wes Weeland Wes Weeland Is	Narrative Rating Nos. 1, 8b, 9b, 9e, 11	evaluated for possible Category		either of these, it should be categorized as a Category 3 wetfand. Detailed blological and/or functional assessments
Wedland is calegory 1 wetland calegory 1 wetland calegory 1 wetland is assigned to the sconfing laringe or based on calegories assigned to the two calegories or calegories or calegories assigned to the two calegories or calegories assigned to the two calegories or calegories assigned to the two calegories or calegory assed or designed to assigned to the neartalive calegories and charminot. A writinum issification by this method. A writinum issification by the should be provided for recallsorication by the should be provided information for recallsorication on Baseground or management.		3 status	(may also be used to determine the wettand's category.
Welland is a Calegory 1 welland is a Calegory 1 welland is assigned to the souting range of CES well and the souting range of CES welland is assigned to the wood calegory based on dealing of the named was welland is welland is welland is welland was welland is seasonable with the named the provided of the calegory as welland to be provided for recalegoration by the should be provided or recalegoration or Managorund information for the month of minimation form.	Did you answer "Yes" to	YES	(N)	is quantitative rating score <i>greater</i> than the Category 2 scording thest-old (including any grey zone)? If we
Category 1 wetand RES NO Weetand is assigned to the souting large or TES NO Weetand is assigned to the hor category based on reassigned to the hor categories or category based on designed to the hor categories or categories are disapory based on designed to the hor categories are disapory based on designed to the namative and cheminal was weetand was weetand by this method. A written issification by the should be provided for recategorisation by the should be provided or recategorisation by the should be provided information for measurement of meas	Namative Rating No. 5	Welland is		recently amount of the category of the wedand using the narrative orders in OAC Rule 3745-1-54(C) and historical and/or
Weland is segment to the appropriate acceptory based on the scorting range of the scorti		Category 1 wetland		functional assessments to determine if the welfand has been under-categorized by the ORAM
Welland is assigned to the appropriate calegory based on FES World House of FES Welland is assigned to the two calegories or calegory based on desagned to a calegory based on desagned to a calegory based on desagned to the hor calegory based on desagned to the horizontal and the namelive Celleria Welland is welland the provided of recalegorization by the should be provided on Bastground information for recalegorization by the should be provided on Bastground information form on Bastground	Does the quantitative score	(YES)	Q.	If the score of the wetland is located within the scoring
weeland is sessioned to the appropriate ap	fall within the scoring range) ;		range for a particular category, the wetland should be
proprieta cappoprieta cappoprieta cappoprieta cappoprieta con interespony based on interespony based on calegories or assigned to the calegories or assigned to the name of the name of the cappoprieta cappopriet	or a Category 1, 2, or 3	wedand is		assigned to that category. In all instances nowever, the parametrize retains described to DAC Pule 3745-1-54(C) can
Weeland is seed on FES Weeland is seed on FES Weeland is seed on calegories or calegories and the namelive Criteria Weeland was Weeland is welland is welland in calegorization by this method. A written issification by the should be provided for recalegorization by the should be provided on Background information form or Background	2	appropriate		he used to clarify or change a categorization based on a
Welland is welland in the hope categories or assigned to the hoc categories or assigned to the nearly of the home categories or assigned to a category based on delands and the nearly welland was welland was welland in home to hot make the provided or recategorization by the should be provided or recategorization by the recategor		category based on	(quantitative score.
Wedand is assigned to the callegories or callegory based on delailed based on delained by the narrative was wedand in marrative by this method. A writinn justification by the should be provided for recallegoration by the should be provided on Baseground on Baseground information form	Does the quantitative score	YES		Rater has the option of assigning the wedland to the higher
Weltand is assigned to the higher of the hor calegories or assigned to a assigned to a assigned at the calegories or detailed the manable of the calegory based on calegory as weltand was understatement of the calegory as written justification determined should be provided on Sandonum or Baseground or Baseground	fall with the "gray zone" for)	of the two categories or to assign a category based on the
management of the wood categories or categories or category based on assessments and the management of	Category 1 or 2 or Category	Wetandis		results of a nonrapid weltand assessment method, e.g.
assignated to a calegory based on detailed dealered to assessment and the narrative orderia and the narrative orderia was welland is underadeportox. A witten justification justification by the should be provided on Background information form	Z or 3 wedands?	assigned to the higher of the two		functional assessment, biological assessment, etc, and a consideration of the narrative criteria in OAC rule 3745-1-
assignation to dealing the sassessment and the narrative class of the sassessment and the narrative class of the sassessment and the sassessment and the sassessment and the sassessment and the provided office recal speciation by the should be provided or na sassignation on Background information form		categories or		54(C).
detailed asserting and asserting asserting and asserting and caleful as a caleful asserting asse		assigned to a	-	
assessments and the narrative catenia or the narrative catenia or the narrative or the narr		detailed		
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Weltand was Weltand was Weltand is Understelepotrace Assignment to calegory as witten uskfracing Or recalegorization of recalegorization or by the should be provided on Background information Form		criteria	(
Wetland was wetland is underatelopathed assigned to by this method. A varient justification justification justification by the should be provided on Background information Form	Does the wetland otherwise	YES	ON)	A welland may be undercategorized using this method, but
underzetegorzed essigned to by bis method. A category as willen justification for recategorzation by the should be provided ORAM. On Background on Backgroun	hydrologic OR habitat OR	Welfand was	Wotland is	but communities may be deceded by human activities
by this method. A category as written usefueco. A category as contract to the category as should be provided ORAM. On Background	recreational functions AND	undercategorized	assigned to	but the wetland may still exhibit superior hydrologic
whiten pushification deformined deformined for recallegorization by the should be provided or Background on Background by Information Form	the welland was not	by this method. A	category as	functions because of its type, landscape position, size, local
should be provided ORAM. on Background y Information Form	categorized as a Category 2	written justification for receiptocaring	determined	or regional significance, etc. In this circumstance, the
on Background by Information Form	moderate functions) or a	should be provided	ORAM.	controlling, and the under-categorization should be
Intormation Form	Category 3 welland (in the	on Background		corrected. A written justification with supporting reasons or
100000000000000000000000000000000000000	this method?	Intormation Form		mornation for this determination should be provided.

	Category 3
Final Category	Category 2
4	Category 1
	Choose one

End of Ohio Rapid Assessment Method for Wetlands.

Background Information

Pate: 04/29/2015 Affiliation: EnviroScience Inc. Address: 5070 Stow Road, Stow, Ohio 44224	
l₩ 18	
1. 1	
Shows Marshan	
330-688-0111	
e-mall address: BSlaby@EnviroScienceInc.com	
Name of Wetland: W-19	
Vegetation Communitiiss): PEM	
HGM Class(es): Depression	
Location of Wetland: Include map, address, north arrow, landmarks, distances, roads, etc.	
the state of the s	And the second of the Second of
	-80.698331
USGS Quad Name	West Point
County	Columbiana
Township	Yellow Creek
Section and Subsection	
Hydrologic Unit Code	#05030101
Stie Visit	04/29/2015
National Wetland Inventory Map	×
Ohlo Wetland Inventory Map	
Soil Survey	×
Delineation report/map	×

Name of Welland: W-19		
vestiand outs latries, nectaines): 0.1/3 acres onsite Sketch: Include north arrow, relationship with other surface waters, vegetation zones, etc.	, etc.	
Please refer to site wetlands and water resources map.		
Comments, Narralive Discussion, Justification of Calegory Changes:		
Final score: 40	Category:	Modified 2

Scoring Boundary Worksheet

INSTRUCTIONS. The initial step in completing the ORAM is to identify the "scoring boundaries" of the wetland being rated. In many instances this determination will be relatively easy and the scoring boundaries will coincide with the "jurisdictional boundaries." For example, the scoring boundary of an isolated cattail mark hocated in the middle of a farm field will likely be the same as that wetland's jurisdictional boundaries. In other instances, however, the scoring boundary will not be as reasily determined. Wetlands that are small or isolated from other surface waters often form large contiguous areas or thetrogeneous complexes of wetland and upland. In separating wetlands for scoring purposes, the hydrologic regime of the wetland is the main crienton that should be used. Boundaries between configuous or connected wetlands should be established where the volume, flow, or velocity of water moving through the wetland changes significantly. Areas with a high degree of hydrologic interaction should be scored as a single wetland. In determining a wetland's scoring boundary for the wetland being rated. These problem situations include wetlands that form a patchwork on the landscape, wetlands divided by artificial boundaries like property facees, roads, or railroad enboardsmiss, wethands that are configuous with streams, lakes, or rivers, and estuarine or coastal wetlands. These situations are discussed below, powever, it is recommended that Rater contact Ohio EPA, Division of Surface Water, 401/Wetlands Soction if there are additional questions or a need for further clarification of the appropriate socning boundaries of a particular wetland.

*	Steps in properly establishing scoring boundaries	done?	not applicable
Step 1	Identify the welland area of interest. This may be the site of a proposed impact, a relemence site, conservation site, etc.	×	
Stop 2	Identify the locations where there is physical evidence that hydrology changes rapidly. Such advance flouties both ratural and humanidused changes including, constrictions caused by benns or disea, points where she water veckely changes rapidly at Lands or falls, points where significant inflows occur at the confluence of rivers, or other factors that may restrict hydrologic interaction between the wetlands or parts of a single wetland.	×	
Step 3	Delineare the Doundary of the welland to be rated such that all areas of inferest that are conditious to and within the areas where the hydrology does not change significantly, i.e. areas that have a high degree of hydrologic interaction are included within the sooring boundary.	×	
Step 4	Determine if artificial boundaries, such as properly lines, state lines, roads, relicad embankments, etc., are present. These should not be used to establish scoring boundaries unless they coincide with areas where the hydrokogic regime changes.	×	
Step 5	In all (relationses, the Ration may enlarge the minknium scorting boundaries discussed here to score together wedlands that could be score sequentially.		×
Step 6	Consult ORAM Manual Section 5.0 for how to establish scoring boundaries for wellands that form a patchwork on the landscape, divided by artificial boundaries, contiguous to streams, lakes or rivers, or for dual classifications.		×

End of Scoring Boundary Determination. Begin Narrative Rating on next page.

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Narrative Rating

INSTRUCTIONS. Answer each of the following questions. Questions 1, 2, 3 and 4 should be answered based on information obtained from the site visit or the literature and by submitting a Data Services Request to the Ohio Department of Natural Resources, Division of Natural Areas and Preserves, Natural Heritige Data Services, 1889 Fountain Square Court, Building F.-1, Cohumbus, Ohio 43224, 14-265-453 (phone), 614-265-3096 (fix.), http://www.dfn.state.ohi.us/drag. The renaining questions are designed to be answered primarily by the results of the site visit. Refer to the User's Manual for descriptions of these weldand types. Note: "Critical habital" is legally defined in the Endangered Species Act and is the geographic area containing physical or biological features essential to the conservation of a listed species or as an area that may require special management considerations or protection. The Rater should contact the Region 3 Headquarters or the Columbus Ecological Services Office for updates as to whether critical habitat has been designated for other federally listed threatened or endangered species. "Documented" means the wetland is listed in the appropriate State of Ohio database.

#	Ouestion	Cimle one	
.		2	
	Ordical Habitat. 18 the vegiend is a twenship, section, or subsection of a United States Geological Survey 7.5 minute Quadrangle that has been designated by the U.S. Fish and Warditie Service as "critical habitat" for early finestened or endangened plant or attinal species? Note: as of January 1, 2001, of the federally listed endengened or threatened species which can be found in Ohio, the Indiana Bat has had critical habitat designed (56 FR 41 1875 day) and the pulping pover has had critical habitat proposed (65 FR 41812 July 6, 2000).	YES Wetland should be evaluated for possible Category 3 status Go to Question 2	(NO) Go to Question 2
2	Threataned or Endangered Species. Is the wetland known to contain an individual of, or documented occurrences of federal or state-listed threatened or endangered plant or animal species?	YES Wetland is a Category 3 wetland. Go to Question 3	(NO) Go to Question 3
m	Documented High Quality Wetland. Is the wetland on record in Natural Henlage Database as a high quality wetland?	YES Wetland is a Category 3 wetland Go to Question 4	Go to Question 4
4	Signtificant Breeding or Concentration Area. Does the welland contain documented regionally significant breeding or nontoneeding weterfowl, neotropical songbird, or shorebird concentration areas?	YES Welland is a Category 3 wetland Go to Question 5	Go to Question 5
k)	Caregory 1 Watelands: 18 the welland less than 0.5 hectares (1 acre) in size and hydrologically leolated and either 1) comprised of vegelation that is dominated (greder than eighty per cent area cover) by Phaiarts annedirance, Lyfhrum selezaria, or Phragmites australis, or 2) an action pond created or excavated on mined lands that has little or no veglation?	YES Wetland is a Category 1 wetland Go to Question 6	Go to Question 6
	Bogs. Is the welland a peat-accumieting wetland that 1) has no significant increases, significant increases, particularly Sphaguran spp., 3) the acidophile mosses have >30% cover, 4) at least one species from Table 1 is present, and 5) the cover of invasive species (see Table 1) is ~25%?	YES Wetland is a Category 3 wetland Go to Question 7	Go to Question 7
7	Fens. Is the welfaind a carbon accumulating (peet, muck) welland that is saturated during most of the year, prinarily by a discharge of free flowing, minerat rich, ground water with a chroumoutral ph (5.5.9.0) and with one or more plant species listed in Table 1 and the cover of invasive species fated in Table 1 & <55%?	YES Wettand is a Catagory 3 wettand Go to Question 8a	Go to Question &a
80 60	"Old Growth Forest." Is the welland a foresten welland and is the forest characterized by, but not limited to, the following characteristics: worstony cancey these of great age (exceeding at least 40% of a profected mandurun affactable age for a species); life or no evidence of human-caused undestory disturbance during the past 80 to 100 years; and aleaged shoulders and multilayered cancepies, aggregations of cancey trees interspersed with cancey gaps; and significant numbers of standing dead straigs and downed logg?	YES Welland is a Category 3 welland. Go to Question 8b	Go to Question &

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8	Mature forested wetlands. Is the wetland a forested wetland with	YES	<u></u>
	Joseph International Computer of the Computer	Wetland should be evaluated for possible	Go to Question 9a
		Category 3 status.	
		Go to Question 9a	
g 6	Lake Erie coastal and tributary wetlands. Is the wetland tocated at an elevation less than 575 feet on the USGS map, adjacent to this	YES	<u></u>
	efevation, or along a tributary to Lake Erie that is accessible to fish?	Go to Question 9b	Go to Question 10
96	Does the wetland's hydrology result from measures designed to prevent existing and the loss of aquatic plants, i.e. the wetland is	YES	0
	partially hydrotogically restricted from Lake Erie due to lakeward or	Wetland should be	Go to Question 9c
	ומוחשמים חותכא כו כלופו ויאַנויסלטוכבו כליתיסי	Category 3 status	
		Go to Question 10	
36	Are Lake Erie water levels the wetland's primary hydrological influence,	YES	ON
	i.e. the wetand is hydrologically unlessmood (no lakewal of uplain) hydder alterations), or the wetland can be characterized as an	Go to Question 9d	Go to Cuestion 10
	estuanne" wetland with take and river influenced hydrology. These		
	include sandbar deposition wetlands, estuarine wetlands, river mouth wetlands, or those dominated by submersed agustic vegetation.		
8	Does the wetland have a predominance of native species within its	YES	ON
	Vegetation communities, aimougn non-native or disturbation tolerant	Windland to a Cabanas	of tolerand
	nauve species can also be present?	wetand a calegory 3 wetand	
		Go to Question 10	
 &	Does the weltand have a predominance of non-native or disturbance tolerant native plant species within its vegetation communities?	YES	O _N
		Wetland should be	Go to Question 10
		evatuated for possible Category 3 status	
-		Go to Question 10	
10	Lake Plain Sand Prairies (Oak Openings) is the welland located in Lucas Fulton Henry or Wood Countles and can the welland be	YES	<u></u>
	characterized by the following description: the wetland has a sandy	Wetland is a Category	Go to Question 11
	substrate with interspensed organic matter, a water table orten within several inches of the surface, and often with a dominance of the	э мерало.	
	gramineous vegetation listed in Table 1 (woody species may also be	Go to Question 11	
	present). The Ohio Department of Natural Resources Division of Natural Areas and Preserves can provide assistance in confirming this		
	type of wetland and its quality.		
-	Relict Wat Prairies. Is the welland a relict wet prairie community dominated by some or all of the species in Table 1. Extensive oralides	YES	<u></u>
	were formerly located in the Darby Plains (Madison and Unlon	Wetland should be	Complete
	Counties), Sandusky Plains (Wyandot, Crawford, and Marion	evaluated for possible	Quantitative
	Counties), northwest Ohio (e.g. Ene, Huron, Lucas, Wood Counties), and nortions of western Ohio Counties (e.g. Darke, Merzer, Miami,	Category 3 status	Kaung
	Montgomery. Van Wert etc.).	Complete Quantitative	

| Invasive second of page | Tean species | Dog species | Dak Opening Spocies | West prairié species | Syddems degres var glacus | Calla palarier | Carres opinique | Carres op

End of Narrative Rating. Begin Quantitative Rating on next page.

Ske: South Field Energy Inderconnection Facilities Rater(s): B. Slaby 4/30/2015
2 2
15.5 30.5 Metric 3. Hydrology. An 3. Sources of Water. Score all bost expox. An Proposition of the procurement (s) X. Predeblable (1) X. Predeblable
and Development.
Act natural shared more of colone chapter as a receiption of colone chapter (s) Transfer (s) Tra

Absent or comprises 1.1 ha (U.247) acres) combruous ense Present and either comprises arreil part of wedend's vegetation and is of moderale quality, or comprises a significant part but is of low quality. Vative spp are dominant component of the vegetation, attnough corneitive and/or disturbance tolerant native spp can also be present, and species diversify moderate to moderately high, but generally wio Present and either comprises significant part of wedand's vegetation and is of moderate quality, or comprises a small part and is of high A predominance of retire species, with normative stp stration statuments to beneat native spp absent or untually absent, and high appeals or untually absent, and high appeals and clian, but not always, the presence of rare, Pesent in very small amounts or if more common of marginal quality LOW spp diversity and/or predominance of norwative or disturbance blerant native species Present in moderate amounts, but not of highest quality or in small mounts of highest quality esent in moderate or greater amounts and of highest quality resent and comprises significant part, or more, of wedland's egetation and is of high quality. d species diversity moderate to moderately high sence of rare, threatened, or endangered spp Moderate 1 to <4ha (2.47 to 9.88 acres) .ow 0.1 to <1ha (0.247 to 2.47 acres) High 4ha (9.88 acres) or more Metric 6. Plant communities, interspersion, microtopography. Narrative Description of Vegetation Quality Microtopography Cover Scale Known occurrence state/federal threatened or endangered species (10) Lake Erle coestal/Inculary wetland -unrestricted hydrology (10) Significant migratory songbird/water fowf habitat or usage (10) 3 Ę Category 1 Wetland. See Question 1 Qualitative Rating (+10) ~ Lake Erie coastel/Inbutery wetland-restricted hydrology (5) Rater(s): B. Slab ake Plain Sand Prairies (Oak Openings) (10) Metric 5. Special Wetlands. Coarse woody debris >15cm (6(n) None (0)

6c. Coverage of Invastve plants. Refer to
Table 1 ORAM long from for fact. Add or
deduct points for coverage. Standing dead > 25cm (10in) obh Check all that apply and score as indicated. Vegelated hummacks/tussucks *early absent <5% cover (0) Other . Horizontal (plan view) Interspension. Moderate 25-75% cover (-3) Vature forested wettand (5) Extensive >75% cover (-5) Amphibian breeding pools Ba. Wetland Vegetation Communities. Score all present using 0 to 3 scale. Sparse 5-25% cover (-1) Tolict Wet Prairies (10) 8d. Microtopography. Score all present using 0 to 3 scale. Old growth forest (10) Moderately high (4) Moderately low (2) Moderate (3) Aquatic bed Open Water Absent (1) Bog (10) Fen (10) Hgh (5) Low (1) ORAM v. 5.0 Fledt Form Quantitative Rating Sitte: South Field Energy Internorin 0 41 40 41 btode linst pay -1 max 20 pts. Max 10 pila.

categories at the following address: http://epa.alate.oh.us/daw/401/401.html Rafer to the most recent ORAM wors callbration report for the accoring breakpoints between 40 GRAND TOTAL (max 100 pts)

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ORAM Summary Worksheet

	Result		If yes, Category 3.	If yes, Category 3.	If yes, Category 3.	If yes, Category 3.	If yes, Category 1.	If yes, Category 3.	If yes, Category 3.	If yes, Category 3.	If yes, evaluate for Category 3; may also be 1 or 2.	If yes, evaluate for Category 3; may also be 1 or 2.	If yes, Category 3	If yes, evaluate for Category 3; may also be 1 or 2.	If yes, Calegory 3	If yes, evaluate for Category 3; may also be 1 or 2.							Category based on score breakpoints Modified 2
answer or	insert	score	VES (NO	_	YES (NO	YES (NO	YES (NO	YES (NO	YES (NO	$\overline{}$	YES (NO	_	YES (NO		_	YES (NO	2	13	15.5	10.5	0	۲-	40
			ng Question 1 Critical Habitat	Question 2. Threatened or Endangered Species	Question 3. High Quality Natural Wetland	Question 4. Significant bird habitat	Question 5. Category 1 Wellands	Question 6. Bogs	Question 7. Fens	Question 8a. Old Growth Forest	Question 8b. Mature Forested Wetland	Question 9b. Lake Erie Wetlands - Restricted	Question 9d. Lake Erie Wetlands – Unrestricted with native plants	Question 9e. Lake Erie Wedands - Unrestricted with invasive plants	Question 10. Oak Openings	Question 11. Relict Wet Prairies	Metric 1. Size	Metric 2. Buffers and surrounding land use	Metric 3. Hydrology	Metric 4. Habitat	Metric 5. Special Wetland Communities	Metric 6. Plant communities, interspersion, microtopography	TOTAL SCORE
			Narrative Rating														Quantitative Rating	ı					}

Complete Wetland Categorization Worksheet.

Wetland Categorization Worksheet

Cholces	Circle one		Evaluation of Categorization Result of ORAM
Did you answer "Yes" to any of the following questions:	YES	(P)	is quantitative rating score less than the Category 2 scoring threshold (excluding gray zone)? If yes, reevaluate the
Narrative Rating Nos. 2, 3, 4, 6, 7, 8a, 9d, 10	Wetand is categorized as a Category 3 welland		category of the wetland using the namative criteria in OAC Rule 3745-1-54(c), and belogical and/or functional assessments to determine if the wetland has been over- cateorized by the ORAM
Did you answer "Yes" to any of the following questions:	YES	[[2]	Evaluate the wetland using the 1) narrative criteria in OAC Rule 3745-1-54(C) and 2) the quantitative rating score. If
Namative Rating Nos. 1, 8b, 9b, 9e, 11	Wetland should be evaluated for possible Category		the wetland is determined to be a Category 3 wetland using either of these, it should be categorized as a Category 3 wetland, Debits of Mohghal and for functional assessments may also be noted to determine the surface and one of the categories.
Did you answer "Yes" to	YES		is qualitative used to consider the recognition of the category?
Namative Rating No. 5	Wetland is category 1 wetland)(Soming hipselviol, finaturing any light Zeney, in yes, researcheit in category of the welland using the namative critoria in OAC Rule 3745-1-54(C) and biological andor fundicial assessments to determine if the welland has been under-cateoryted by the OZAM.
Does the quantitative score fall within the scoring range	YES		If the score of the wetland is located within the scoring range for a particular category, the welfand should be
of a Category 1, 2, or 3	Wetand is		assigned to that category. In all Instances however, the
	assigned to the appropriate category based on the scoring rance		harrang ditellar described in Cryc. Rule of 425-1-3475/ can be used to clarify or change a calegorization based on a quantitative score.
Does the quantitative score fall with the "gray zone" for	VES	ON	Rater has the option of assigning the wetland to the higher of the two categories or to assign a category based on the
Category 1 or 2 or Category 2 or 3 wetlands?	Wetand is assigned to the higher of the two calegories or assigned to a category has a contract or the two category.		results of a nonrapid welland assessment inethod, e.g. Iuncitorial assessment, biological assessment, etc, and a consideration of the narrative criteria in OAC rule 3745-1- 54(C).
	detailed assessments and the narrative criteria		
Does the wetland otherwise exhibit moderate OR superfor	YES	ON ON	A wettand may be undercategorized using this method, but still exhibit one or more superior functions, e.g. a wettand's
hydrologic OR habitat, OR recreational functions AND	Wettand was undercategorized	Wettand is assigned to	biotic communities may be degraded by human activities, but the wetland may still exhibit superior hydrologic
categorized as a Category 2 wetland (in the case of	by uns memori. A written justification for recategorization	determined by the	nuturous because on as type, laritoscape posation, size, local or regional significance, etc. In this circumstance, the narrative criteria in OAC Rule 3745-1-54(C)(2) and (3) are
indelete uncours) or a Category 3 welfand (in the case of superior functions) by this method?	snoute be provided on Background Information Form	Oledan:	controlling, and the under-dategorization should be corrected. A written justification with supporting reasons or information for this determination should be provided.

	Category 3	
al Category	Category 2	
Final	Catagory 1	
	Choose one	

End of Ohio Rapid Assessment Method for Wetlands.

Background Information

Name: Emma Kennedy	
Date: 04/29/2015	
Affiliation: EnviroScience Inc.	
Address: 5070 Stow Road, Stow, Ohio 44224	
Phoise Number: 330-688-0111	
o-mail address: Ekennedy@EnviroScienceInc.com	
Name of Wetland: w-20	
Vegetation Communit(ies): PEM	
HOM Class(es): Depression	
Location of Wetland: Include map, address, north arrow, landmarks, distances, roads, etc.	
Administratory and the first the first terms of the	
USGS Quad Name	West Point
County	Columbiana
Township	Yellow Creek
Section and Subsection	
Hydralogic Unit Code	#05030101
Site Visit	04/29/2015
National Wetland Inventiory Map	×
Ohio Wetland Inventory Map	:
Soil Survey	×
Delineation report/map	×

_	Т			Γ
	-	ថ្ន		Catagoria
		ation zones, el lap.		۲
	ite	ketch: Include north arrow, relationship with other surface waters, vegetation Please refer to site wetlands and water resources map.	Changes:	
	0.008 acres onsite	th other surfac nd water re	on of Category	
	9000	etationship wi vetlands ar	lon, Justificati	
id: W-20	cres, hectares	north arrow, r er to site v	ative Discuss	14
Name of Wetland: W-20	Wetland Size (acres, hectares):	Skeich: Include north arrow, relationship with other surface waters, vegetation zones, etc. Please refer to site wetlands and water resources map.	Comments, Narrative Discussion, Justification of Catogory Changes:	Final score 1 14

Scoring Boundary Worksheet

DISTRUCTIONS. The initial step in completing the ORAM is to identify the "scoring boundaries" of the wetland being rated. In many instances this determination will be relatively easy and the scoring boundaries will coincide with the "jurisdictional boundaries." For example, the scoring boundary of an isolated cattail marsh located in the middle of a farm field will likely be the same as that wetland's lurisdictional boundaries. In other instances, however, the scoring boundary owll not be as easily determined. Wetlands that are small or isolated from other surface waters ofher form harge contiguous areas or heterogeneous complexes of wetland and upland. In separating wetlands for scoring purposes, the hydrologic regime of the wetland is the main criterion that should be used. Boundaries between contiguous or connecded wetlands should be established where the volume, flow, or velocity of water moving through the wetland changes significantly. Areas with a high degree of hydrologic interaction should be sooning boundaries; use the guidelines in the ORAM Manual Section 5.0. In certain instances, it may be difficult to establish the scoring boundary for the wetland being rated. These problem situations include wetlands that form a patchwork on the landscape, wetlands divided by artificial boundaries like property fences, roads, or rational embankments, wetlands that are contiguous with streams, lases, or rivers, and estuarine or coastal wedlands. These situations are discussed below, however, it is recommended that Rater contact Ohio EPA. Division of Surface Water, 40 It/Wetlands Section 1; there are additional questions or a need for further clarification of the appropriate scoring boundaries of a particular wetland.

#	Steps in properly establishing scoring boundaries	done?	not applicable
Step 1	Identify the wetland area of interest. This may be the site of a proposed impact, a reference site, conservation site, etc.	×	
Step 2	Identify the locations where there is physical evidence that hydrology changes raidly. Such evidence relateds both natural and human-induced changes including, constitutions caused by derns or dises, points where the water wholely changes including antipiot so that, so points where significant lidlows occur at the confluence of rivers, or other factors that may restrict hydrologic interaction between the wetlands or parts of a single welland.	×	
Step 3	Delineate the boundary of the welland to be rated such that all areas of finease that are contiguous to and within the areas where the hydrology does not change significantly, i.e. areas that have a high degree of hydrologic interaction are included within the scoring boundary.	×	
Step 4	Determine if artificial boundaries, such as property lines, state lines, froads, silitoad embanfuments, etc., are present. These should not be used to establish scoring boundaries unless they coincide with areas where the hydrologiic regime changes.	×	
Step 5	In all instances, the Rater may enlarge the minimum scoring boundaries discussed here to score logether wellands that could be scored separately.		×
Step 6	Consult ORAM Manuel Section 5.0 for how to establish scoring boundaries for weldands that form a patchwork on the landscape, divided by artificial boundaries, contiguous to streams, lakes or rivers, or for dual classifications.		×

End of Scoring Boundary Determination. Begin Narrative Rating on next page.

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Narrative Rating

INSTRUCTIONS. Answer each of the following questions. Questions 1, 2, 3 and 4 should be answered based on information obtained from the site visit or the literature and by submitting a Data Services Request to the Ohio Department of Natural Rescources, Division of Natural Areas and Preserves, Natural Heritage Data Services, 1889 Fountain Square Court, Building F-1, Columbus, Ohio 43224, 614-265-53(phone), 614-265-53(96 (fax), bttp://www.day.state.ohiasQuap. The remaining questions are designed to be answered primarily by the results of the site visit. Refer to the User's Manual for descriptions of these weltand types. Note: "Critical habitat" is legally defined in the Endangered Species Act and is the geographic area containing physical or biological features essential to the conservation of a listed species or as an area that may require special management considerations or protection. The Rater should contact the Region 3 Headquarters or the Columbus Ecological Services Office for updates as to whether critical habitat has been designated for other federally fisted threatened or endangered species. "Documented" means the wetland is listed in the appropriate State of Otio database.

*	Dijestion	Cimio ono	
		Cilca dia	
-	Critical Habitat. Is the waland in a township, section, or subsection of a United States Geological Suvey 7.5 minute Quadrangé that has been designated by the U.S. Fish and Waldills Service as "critical habital" for any threatened or endangened pant or animal species? Note: set of January 1, 2001, of the federally isted endangened or threatened species which can be found in Ohio, the Indiana Bat has has already and the Abital selegiated (SC DFT). TSE(a)) and public playing ployer has the standard control habital segment (SE ED 4, 2007), in, a proposity of the federall of the control player.	YES Wetland should be evaluated for possible Category 3 status Go to Question 2	Go to Question 2
~	Threatened or Endangered Species. Is the weight known to contain an individual of, or documented occurrences of federal or state-listed threatened or endangered plant or animal species?	YES Wetland is a Category 3 wetland.	Go to Question 3
м	Documented High Quality Wettand. Is the weltand on record in Natural Heritage Database as a high quality welland?	YES Wetland is a Category 3 wetland Go to Cuestion 4	Go to Question 4
4	Significant Breeding or Concentration Area. Does the welland contain documented regionally significant treeding or nonbreeding waterfowl, neotropical songbird, or shorsbird concentration areas?	YES Wetland is a Category 3 wetland Go to Questlon 5	Go to Question 5
ra La	Category 1 Wetlands. Is the welland less than 0.5 hectures (1 acre) in size and hydrologically lootand and either 1 comprised of vegetalion that is dominated (greate than eighty per cent areal cover) by Phaeris aurudinacea, Lyfhrum safearia, or Phragmites gustrais, or 2) an acidic pond created or excavated on mined lants that has little or no vegetation?	YES Welland is a Category 1 welland Go to Question 6	Go to Question 6
9	Bogs. Is the wetland a peal-accumulating wetland that 1) has no significant intover or unitowe, 2) supports addopting nosses, particularly Shitegrum spp. (3) the addoptile mosses have >30% cover. 4) at least one species from Toble 1 is present, and 5) the cover of invasive species (see Table 1) is <25%?	YES Wetland is a Category 3 wetland Go to Question 7	Go to Question 7
7	Fore. Is the welland a carbon accumulating (peat, nruck) welland that is seturated during most of the year, printainly by a debrarge of free flowing, mineral rich, ground vatie with a circumnoutral ph (5.5.9.0) and with one or more plant species lated in Table 1 and the cover of Invasive species lated in Table 1 & 25%?	YES Welland is a Category 3 welland Go to Question 8a	Go to Question &a
£	"Vold Growth Frests." is the westand a forested vesterad and is the forest the vesterad and is the forest characterized by, but not limited to, the following characteristics: overstory carcopy news or great age (exceeding at least 50% of a profescad maximum attachas age for a species, little or no evidence of human-caused understory disturbance during the past 80 to 100 years; and laged of structures and multilayered carcopies, aggregations of carcopy these interspersed with carcopy gaps; and significant numbers of standing dead snags and downed logs?	YES Wettand is a Category 3 wetland. Go to Question 8b	(NO) Go to Question Bo

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å	Mature forested wedands. Is the wedand a lorested wedand with	YES	<u>Ş</u>
	20% of more of the cover of upper lovest cartopy consisting of deciduous trees with large diameters at breast height (doh), generally diameters meeter than 45cm (17.7m) dbh?	Wetland should be evaluated for possible	Go to Question 9a
		Calegory 3 status.	
		Go to Question 9a	(
98	Lake Erle coastal and tributary wetlands. Is the wetland located at an elevation less than 575 feet on the USGS map, adjacent to this	YES	₽
	elevation, or along a tributary to Lake Erie that is accessible to fish?	Go to Question 9b	Go to Question 10
e e	Does the weltand's hydrology result from measures designed to prevent erosion and the loss of aquatic plants, i.e. the weltand is	YES	ON ON
	partially hydrologically restricted from Lake Erie due to takeward or landered alikes or other budgeting controls.	Wetland should be	Go to Question 9c
	Idinada unas a una la riyarangiadi contros r	Category 3 status	
		Go to Question 10	
96	Are Lake Erie water levels the welland's primary hydrological influence.	YES	ON
	i.e. the wetaritus hydrologically unestimated (i.e. larewald of upland border alterations), or the wetland can be characterized as an	Go to Question 9d	Go to Question 10
	"estuarine" wetland with lake and fiver influenced hydrology. These		
_	indude servical deposition metarties, establing metalling, invalidated weglands, or those cominated by submersed aquatic vegetation.	-	
P6	Does the wetland have a predominance of native species within its vacate from communities, otherwish proposition or distribution plantage.	YES	ON
	native species can also be present?	Welland is a Category	Go to Question 9a
		3 wetland	
		Go to Question 10	
 &	Does the wettand have a predominance of non-native or disturbance tolerant native plant species within its vegetation communities?	YES	ON O
		Wetland should be evaluated for possible Cotococci against	Go to Question 10
		Go to Question 10	(
9	Lake Plain Sand Prairies (Oak Openings) Is the welland located in	YES	(ON)
	characterized by the following description: the wetland has a sandy	Wetland is a Category	Go to Question 11
	substrate with interspersed organic matter, a water table often within several incluss of the surface, and often with a dominance of the	3 wetland.	
	gramineous vegetation fisted in Table 1 (woody species may also be	Go to Question 11	
	present). The Unio Department of Natural Resources Dwiston of Natural Areas and Preserves can provide assistance in confirming this		
11	type of wetand and as quality. Reliet Wet Prairies. Is the wetland a relict wet prairie community.	YES	<u>(</u> 2
	dominated by some or all of the species in Table 1. Extensive prairies)
	Were formerly located in the Darby Plains (Madison and Union Camero). Senductor Daine Official Conferd	Welland should be	Complete
	Counties), northwest Ohio (e.g. Erie, Huron, Lucas, Wood Counties),	Category 3 stafus	Rating
	and portions of western Ohio Counties (e.g. Darke, Mercer, Marni,	o delle Octobrito	
_	Montgomery, van wert etc.).		

Invasive/exotic spp	fan species	pog species	0ak Opening species	wet prairie species
Lysterum satioana	Zygademus elegans var. glaucus	Calia patustris	Carex cryptolepis	Calamagrostis canadensis
Myriophyllum spicatum	Cacalta plantaginea	Carex atlantica var. capillacea	Carex lastocarpa	Calamograstis stricta
Najas minor	Carex Rava	Carex echinata	Carex stricta	Carex atherodes
Phalaris arundinacea	Carex sterilis	Carex oligosperma	Cladium maris coides	Carex buxbaumii
Phragmites australls	Carex stricta	Carex trisperma	Calamagnostis stricta	Carex pellita
Potamogeton crispus	Deschampsia caespiosa	Chamaedaphne calyculata	Calamagrostis canadensis	Carex sortweilli
Ranteculus ficaria	Eleocharis rastellata	Decodon verticillans	Ouercus palustris	Gentiana andrewsti
Rhammus frangula	Eriophorum viridicarinatum	Eriophorum virginicum		Helianthus gross eserratus
Typha angustifolia	Gentianopsis spp.	Larix laricina		Liatris spicata
Typha xglauca	Lobelta kalmii	Nenopanthus тистопати		Lysimachia quadriflora
	Parnassia glauca	Schechzeria palustris		Lythrum alatum
	Potentilla fruticasa	Sphagnum spp.		Pycnanthemum virginiamum
	Rhamnus alnifolia	Уассіпінт тастосатроп		Silphium terebinshinaceum
	Rhynchospora capillacea	Уассилит солутрогит		Sorgnastrum mutans
	Salix candida	Vaccinium oppoecess		Sparting pectings
	Saltx myricoides	Woodwardia virginica		Solidago riddellii
	Salix serissima	Kyris difformis		Ī
	Solidago ohioensis			
	Tofieldia glutinosa			
	Triglochin maritimum			
	Triolochia nalustra			

End of Narrative Rating. Begin Quantitative Rating on next page.

	4/30/2015	seid. (3) 100 yeer floodysian (1) Benwers streamfate and other human use (1) Benwers streamfate and other human use (1) Benwers streamfate and other flooring (1) Pent of viellanding the pent of other flooring (1) Pent of rightering the pent of other flooring (1) Soam to or of an deade. Soam to pent amount hy numdered selburated (4) Regularly function (2) Seasonally struction (2) Seasonally stru	shrubsapling semoval zerboracorsis qualco bed nemoval serboracorsis qualco bed nemoval adelinate tablico de objeto (setto miso)
W-20	E. Kennedy	Connectivity (4)	
Auantilative Rating	South Flat Energy Interconnection Facilities E. I	Metric Selectorio Sele	Abone or none apparent (9) Abonevering (3) X Racent or no recovery (1)
ORAM v. 5.0 Fleid Form Quantitetive Rating	Site: South Fletd	3 3 max 14 ps. subbust max 30 pt. subbust max 30 pt. subbust max 30 pt. subbust day 12 max 30 pt. subbust max 30 pt. subbust day 12	12

last revised 1 February 200

¥:20

Absent or comprises 40, The 10,24 / 1 acres) configuous erea Present and either comprises small part of wetland's vegalation and is of now quality, or comprises a significant part but is of low quality of moderale quality, or comprises a significant part but is of low quality. isitive spp are dominant component of the vegetation, although the component representations to take the spp can also be present, not species diversity moderate b moderately thip, but generally wio resence of rare, threatened, or entaingent spp. Present and either comprises significant part of wetland's vegetation and is of moderate quality, or comprises a small part and is of high Present in very small amounts or if more common of marginal quality A predominance of native species, with normative stip and/or this factories to elever notive spp absent or vinually absent, and ligh spp diversity, and orderin, but not always, the presence of rare, theselsnes, or andangered spp. resent in moderate amounts, but not of highest quality of in small mounts of highest quality resent in moderate or greater amounts and of highest quality resent and comprises significant part, or more, of wetland's egelation and is of high quality. Moderate 1 to <4ha (2.47 to 9.88 acres) Low 0.1 to <1ha (0.247 to 2.47 acres) Absein < U. Tha (U.24/ acres) High 4ha (9.68 acres) or more Metric 6. Plant communities, interspersion, microtopography. Sea. Wetend Vogsekon Communities.

Score at present using 0 to 3 scale.

| Name of present using 0 to 3 scale. Alcrotopography Cover Scale nown occurrence state/federal threatened or endangered species (10) Lake Erie coastal/tributery wetland -unrestricted hydrology (10) Significant migratory songbird/water fowl habitat or usage (10) Category 1 Wetland. See Question 1 Qualifative Rating (-10) Lake Erie coastal/nibutary wetland-restricted hydrology (5) edlen Fadilities E. Kennedy Lake Plain Sand Praides (Oak Openings) (10) Metric 5. Special Wetlands. Coarse woody debris >15cm (6in) Slanding dead >25cm (10in) dbh None (II)

6c. Coverage of Investive plants. Refer to
Table 1 ORAM long form for list. Add or
deduct points for coverage. Check all that apply and score as indicated. Vegetated hummucks/fussucks learly absent <5% cover (0) Aderate 25-75% cover (-3) Mature forested wetland (5) X Absen...
6d. Microtopography.
Score at present using 0 to 3 scale. Other . Horizontal (plan view) Interspension. Edensive >75% cover (-5) Amphibian breeding poots Sparse 5-25% cover (-1) telict Wet Prairies (10) Old growth forest (10) oderately high (4) Aderately low (2) Aquatic bed Open Water Bog (10) Fern (10) **H**gh (5) Mudflats Low(1) Shrub ORAM v. 5.0 Field Form Ckanditative Rating
Site: South Field Energy Interconn core only one. 0 4 12 biotes frai pa 5 2 max 20 pte.

Refer to the most recent GRAM score calibration report for the scoring breatpoints betwe 14 GRAND TOTAL (max 100 pts)

gories at the following address: http://eps.siste.ch.us/dsw/4014401.html

ORAM Summary Worksheet

:	Kesuit	If yes, Category 3.	If yes, Category 3.	If yes, Category 3.	If yes, Category 3.	If yes, Category 1.	If yes, Category 3.	If yes, Category 3.	If yes, Category 3.	If yes, evaluate for Category 3; may also be 1 or 2.	If yes, evaluate for Category 3; may also be 1 or 2.	If yes, Category 3	If yes, evaluate for Category 3; may also be 1 or 2.	If yes, Category 3	If yes, evaluate for Category 3; may also be 1 or 2.							Category based on score breakpoints
answer or	score	YES (NO	YES (NO)	YES (NO	YES (NO	YES (NO	YES (NO	_	ı –		_	YES (NO	KES (NO	YES (NO	YES (NO	0	3	5	4	0	2	14
		Question 1 Critical Habitat	Question 2. Threatened or Endangered Species	Question 3. High Quality Natural Wetland	Question 4. Significant bird habitat	Question 5. Category 1 Wetlands	Question 6. Bogs	Question 7. Fens	Question 8a. Old Growth Forest	Question 8b. Mature Forested Welland	Question 9b. Lake Erie Wetlands - Restricted	Question 9d. Lake Erie Wetlands – Unrestricted with native plants	Question 9e. Lake Erie Wetlands - Unrestricted with invasive plants	Question 10. Oak Openings	Question 11. Relict Wet Prairies	Metric 1. Size	Metric 2. Buffers and surrounding land use	Metric 3. Hydrology	Metric 4. Habitat	Metric 5. Special Wetland Communities	Metric 6. Plant communities, interspersion, microtopography	TOTAL SCORE
		Namative Rating														Quantitative Rating						

Complete Wetland Categorization Worksheet.

Wetland Categorization Worksheet

Did you answer "res" to any YES (NO Feel Feel) and of the following questions: Weltand is Narrative Rating Nos. 2, 3, categorized as a feel following questions: Weltand is harmative Rating Nos. 1, 80, to any YES (NO Feel Feel) and the weltand talk of the following questions: Weltand is how an analyse Rating Nos. 1, 80, to an analyse Rating Ra	Cholces	Circle one		Evaluation of Categorization Result of ORAIM
Weetend is a Category 3 welland YES Weetend should be welland for possible Category 1 welland is a category 1 welland is sasigned to the appropriate a proportial eaglegory 1 welland is westernd is sasigned to the appropriate a proportial eaglegory based on the sasigned to the welland is westernd is sasigned to the word category based on the sasigned to a category based on the sasigned to a category based on defailed assessments and the narrative of the the mortality of the word categorization of category as welland is sasigned to the word categorization of category as welland is sasigned to the narrative of the	Did you answer "Yes" to any of the following questions:	YES	(E)	Is quantitative rating score less than the Category 2 scoring threshold (excluding gray zone)? If yes, reevaluate the
Wetland should be vestilized on the sassigned to the the sassigned to the sassigned to the sassigned to the sassigned to the the sassigned to the the sassigned to a sassigned to a categories or assigned to a sassigned to a sassigned to a categories or a sassigned to a categories or or the narrative or the narrative or a sassigned to a sa	Narrative Rating Nos. 2, 3, 4, 6, 7, 8a, 9d, 10	wetland is categorized as a Category 3 wetland	(category of the welfand using the narrative critista in OAC Rule 3745-1-54(C) and biological and/or functional assessments to determine if the welfand has been over-categorized by the ORAM
Wetand is assigned to the scoring range of the scoring range of assigned to the scoring range of	Did you answer "Yes" to any of the following questions:	YES	<u></u>	Evaluate the wetland using the 1) namative criteria in OAC Rule 3745-1-54(C) and 2) the quentitative rating score. If
Passible Category YES Wetand is Category 1 wetland Wetand is assigned to the appropriate category based on the scoring range Wetand is assigned to the assigned to the assigned to the assigned to the assigned to a category based on detailed Sassigned to a category based on detailed sassigned to a category based on detailed sassigned to a categorism or assigned to a categorism or by the naretive ofterial sassigned to a categorism or ofterial or ofterial sassigned to a categorism or ofterial or ofteria	Namative Rating Nos. 1, 8b,	Wetland should be evaluated for		the wetland is determined to be a Category 3 wetland using either of these, it should be categorized as a Category 3
Wetand is Category I wetland is Category I wetland is assigned to the appropriate category based on the scoring range wetland is assigned to the horocategory based on detailed assessments and the narretive categorization within justification for his method. A category as written itsification for each operation of the narretive categorization of the narretive of the n	95, 9e, 11	possible Category 3 status	(wetland. Detailed blotogical and/or functional assessments may also be used to determine the wetland's category.
Wetland is a Calegory's waland is assigned to the assigned to the assigned to the higher of the known assigned to a assigned to the higher of the known assigned to a sassigned to the narrative ordierla. Wetland was written its infraction by the should be provided or the necessorization by the high controller or the sassigned to a category as written its infraction by the high controller or the necessorization of t	Did you answer "Yes" to	YES	<u>₽</u>)	Is quantitative rating score greater than the Category 2
Wetland is assigned to the appropriate calegory based on VES Wetland is assigned to the hardon for the known of assigned to the hardon sassesments and detailed assessments and resolution of the narretive of the known of the narretive of the known of the narretive of the known of the narretive o	Narrative Rating No. 5	Wetland is category 1 wetland		scening treatment (producing any gold young) in you, revolution the category of the welland using the narrative criteria in OAC Rule 3745-1-54(C) and biological and/or functional assessments to defamine if the welland has
Wetand is assigned to the appropriate appropriate appropriate appropriate appropriate appropriate appropriate appropriate appropriate assigned to the higher of the two assigned to a assigned to the narrative or therial appropriate appropriate assigned to the appropriate assigned to assig	Done the second telescope		9	been under-categorized by the OKAM
Sasigned to the appropriate appropriate appropriate appropriate appropriate assigned to the socing trange of assigned to a category based on detailed assessments and the narrative orders within justification for readers or assigned to a category assessments and assessments and assessments and seasesments and orders assigned to assigned to be not a categorization of the narrative orders assigned to assigned to assigned to assigned to assigned to assigned to orders a categorization of the narrative orders assigned to assigned to orders assigned to assign	Loes the quantitative score fall within the scoring range		2	If the score of the wetland is located within the scoring range for a particular category, the wetland should be
appropriate appropriate rategory based on the scaning trarge No. Weatand is sessigned to the hope of the two category based on deballed assessments and the narrative fine from the narrative orders are not sessigned to by this method. Wetand was written justification for receive portized on the narrative orders assigned to by this method. A category as written justification for receive portized on the narrative or session of the narrative or th	of a Category 1, 2, or 3 wetland?	Wetfand is assloned to the		assigned to that category. In all instances however, the nameline criteria described in OAC Rule 3745-1-54(C) can
TES No		appropriate category based on		be used to clarify or change a categorization based on a quantitative score.
Wetand is assigned to the higher of the two categories or assigned to a category based on detailed assessments and the narrative criteria without wax without the marrative or the marrative collection of the marrative or the market of the ma		the scoring range	(
Wetand is assigned to the higher of the two categories or	Does the quantitative score	YES	<u></u>	Rater has the option of assigning the welland to the higher of the two calendries or to assign a patiency based on the
higher of the wo categories or categories or categories or categories or category based on detailed assessments and the narrative orderies. Yes Wertand was Welland is undercategorized assigned to by this method. A category as written justification for recategorization by the should be provided on Background information.	Category 1 or 2 or Category	Wefand is		results of a nonrapid wetland assessment method, e.g.
sessesments and ordering the naretive reference ordering without the naretive region of the naretive residence in the nare	2 or 3 wellands?	assigned to the higher of the two categories or assigned to a category based on detailed		functional exsessment, biological assessment, etc, and a consideration of the narrative criteria in QAC rule 3745-1-54(C).
Westand was Westand is understelepointed assigned to by this method. A written justification for exercegorization by the should be provided ORAM.		assessments and the narrative criteria	(
Wetland was Wetland was Underactegorized assigned to by this method. A category as written justification determined for recategorization by the should be provided on Background hifomation Form	Does the wetland otherwise exhibit moderate OR superior	YES	<u></u>	A weitand may be undercategorized using this method, but still exhibit one or more superior functions, e.g. a wetland's
by this method. A category as written justification determined for recategorization by the should be provided ORAM. Information Form	hydrofoglc OR habitat, OR recreational functions AND	Wettand was undercatedoxized	Wetland is assigned to	biotic communities may be degraded by human activities, but the wetland may still exhibit superior hydrologic
winterful Journación or usuarinised for recalegorization by the should be provided ORAM. on Background from	the wetland was not	by this method. A	category as	functions because of its type, landscape position, size, local
on Background on Briganing	wetland (in the case of	for recategorization	by the	or regional significance, or in the chromosome, the namedive criteria in OAC Rule 3745-154(C)(2) and (3) are
	Category 3 wetland (in the case of superior functions) by	on Background Information Form	Creem.	controlling, and the under-deeportzation should be corrected. A written justification with supporting reasons or information for this determination should be provided.
	this method?			

	Category 3
Final Category	Category 2
	Category 1
	Choose one

End of Ohio Rapid Assessment Method for Wetlands.

Background Information

Name: Emma Kennedy	
Delte: 04/29/2015	
Affiliation: EnviroScience Inc.	
Address: 5070 Stow Road, Stow, Ohio 44224	
Phone Number: 330-688-0111	
e-mail address: EKennedy@EnviroScienceInc.com	
Name of Wetland: W-21, W-22, W-23	
Vegetation Communit(les): PEM	
HGM Class(es): Depression	
Location of Wetland: Include map, address, north arrow, landmarks, distances, roads, etc.	
Piease refer to site wetlands and water resources map.	
Laff.Long or UTIM Coordinate 40.639962, -80.681505, 40.639706, -80.681877, 40.63942, -80.681585	342, -80.681585
ÚSGS Quad Name	West Point
County	Columbiana
Township	Yellow Creek
Section and Subsection	
Hydrologic Unit Code	#05030101
Site Visit	04/29/2015
National Wetland Inventory Map	×
Ohio Welland Inventory Map	
Soil Survey	×
Delineation report/map	×
	1

, W-23 Total 0.170 acres onsite sinp with other surface waters, vegetation zones, etc. nds and water resources map.		n of Gategory Changes:	
Wetland Size (acres, hedares): Total 0.170 acres onsite Sketch: Include north arrow, relationship with other surface waters, vegetation zones, etc. Please refer to site wetlands and water resources map.	W-21: 0.019 acres onsite W-22: 0.138 acres onsite W-23: 0.013 acres onsite	Comments, Narretive Discussion, Justification of Category Changes:	

Scoring Boundary Worksheet

INSTRUCTIONS. The initial step in completing the ORAM is to identify the "scoring boundaries" of the wetland being rated. In many instances this determination will be relatively easy and the scoring boundaries will coincide with the "jurisdictional boundaries." For example, the scoring boundary of an isolated catalia mark located in the middle of a farm field will likely be the same as that wetland's jurisdictional boundaries. In other instances, however, the scoring boundary will not be as easily determined. Wetlands that are small or isolated from other surface waters often form large contiguous areas or hetrogeneous complexes of wetland and upland. In separating wetlands for scoring purposes, the bydoblogic regime of the wetland is the main civition that should be used. Boundaries between contiguous or connected wetlands should be established where the volume, flow, or velocity of water moving through the wetland changes significantly. Areas with a high degree of hydrologic interaction should be scored as spiele wetland. In determining a wetland's scoring boundary for the wetland being rated. These problem situations include wetlands that form a patchwork on the landscape, wetlands divided by artificial boundaries like property fences, roads, or raitoral embalanting, wetlands that are contiguous with streams, lakes, or rivers, and estuarine or coastal wetlands. These sinations are discussed below, however, it is recommended that Rate contact Ohio EPAL, Division of Surface Water, 4011Wetlands Section if there are additional questions or a need for further clarification of the appropriate scoring boundaries of a particular wetland.

#	Steps in properly establishing scoring boundaries	done?	not applicable
Step 1	identify the waltand area of intenest. This may be the site of a proposed impact, a reference site, conservation site, etc.	×	
Stop 2	Identity the locations where then is physical evidence that hydrology changes rapidly. Such evidence hocludes both natural and human-includes changes including, consultations caused by borns or diseas, points where the water velocity changes rapidly at largists or falls, points where significant inflows occur at the confluence of rivers, or other factors that may resurd hydrologic inferaction between the wellands or parts of a single welland.	×	
Step 3	Delineate the boundary of the vestand to be rated such that all areas of interest that are configurate to and which the areas where the hydrology does not change significantly, i.e. areas that have a high degree of hydrologic hiteraction are included within the scoring boundary.	×	
Step 4	Determine if artificial boundaries, such as property lines, state lines, roads, railroad embankments, etc., are present. These should not be used to establish scoring boundaries unless they coincide with areas where the hydrokglic regime changes.	×	
Step 5	In all instances, the Pator may enlarge the minimum scoring boundaries discussed here to score together wedlands that could be scored separately.	×	
Step 6	Consult ORAM Manual Section 5.0 for how to establish scoring boundaries for wellands that form a patchwork on the landscape, divided by artificial boundaries, configuous to streams, lakes or rivers, or for dual classifications.		×

End of Scoring Boundary Determination. Begin Narrative Rating on next page.

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Narrative Rating

INSTRUCTIONS. Answer each of the following questions. Questions 1, 2, 3 and 4 should be answered based on information obtained from the site wist or the literature and by submitting a Data Services Request to the Ohio Department of Natural Resources, Division of Natural Acress and Preserves, Natural Heritage Data Services, 1889 Fountain Stagere Court, Building, E-1, Columbus, Ohio 43224, 614-265-64965 (phone), 614-265-5496 (fax), HID/Waww.dur.state.oh.us/durag. The remaining questions are designed to be answered primarily by the results of the site visit. Refer to the User's Manual for descriptions of these welland types. Note. "Critical habitat" is legally defined in the Indangered Species Act and is the geographic area containing physical or biological Renures essential to the conservation of a listed species or as an area that may require special management considerations or protection. The Rater should contact the Region 3 Headquarters or the Columbus Ecological Services Office for updates as to whether critical labitat has been designated for other federally listed threatened or endangered species. "Documented" means the wetland is listed in the appropriate State of Ohio database.

*	Question	Circle one	
 -	Gritical Habitat. Is the wetland in a township, section, or subsection of at United States eclosighed Survey 7.5 infulied Quadragide that has been designated by the U.S. Fits and Widdlie Service as "critical hebital" for any threatened or endangeated plent or animal species? Note: se of January 1, 2001, of the federally listed endangered or threatened species which can be found in Ohio, the Indiana Bat has hed critical habitat proposed (55 FR 41756), and the piping power has not critical habitat proposed (55 FR 41872 July 6, 2000).	YES Wetland should be evaluated for possible Category 3 status Go to Question 2	(NO) Ga to Question 2
2	Threstened or Endangered Species. Is the welland known to cortain an fudivicus of, or documented occurrences of federal or state-listed finealened or endangered plant or animal species?	YES Wetland Is a Category 3 wetland. Go to Question 3	Go to Question 3
e	Documented High Quality Wetland. Is the welland on record in Natural Heritage Database as a high quality wetland?	YES Wetland is a Category 3 wetland Go to Questlon 4	Go to Question 4
4	Significant Breeding or Concentration Area. Does the welland contain documented regionally significant breeding or norbeading waterfowl, neotropical sorgbird, or shorebird concentration areas?	YES Weitand is a Category 3 weitand Go to Question 5	(NO) Ga to Question 5
ις.	Category 1 Wellands. Is the welland less than 0.5 hockness (1 acre) in size and hydrologically isolated and either 1) comprised of vegelation that is dominated (joselar than eighty per cent areal cover) by Phaletis environmence. Lyfrum salizaria, or Phregmiass australis, or 2) an acidic pond created or accavated on mined lands that has little or no vegelation?	YES Wetland is a Category 1 wetland Go to Question 6	Go to Question 6
_9	Bogs. is the welland a peak-accumulating welland that 1) has no significant inflows or outlooker, 2) supports accidential mosses, patrioulanty Sphagorum spp. 3) the acdiophilic mosses have >30% over 4) at least one species from Table 1 is present, and 5) the cover of invasive species (see Table 1) is <25%?	YES Welland is a Category 3 wetfand Go to Questlon 7	Go to Question 7
7	Fens. Is the welland a carbon accumulating (peat, muck) welland that is saturated during most of the year, prinarily by a discharge of free flowing, menar ich, ground water with a circumatural ph (5.5.9.0) and with one or more plant species listed in Table 1 and the cover of invasive species tisted in Table 1 and the cover of invasive species tisted in Table 1 s. <25%?	YES Welland is a Category 3 wettand Go to Question 8a	Go to Question &
g	"Old Growth Forest." is the welland a forested welland and is the forest characterized by, but not finited to, the fedowing characteristics: oversity, cancer in seas of great age (exceeding at least 50% of a projected meanimum attached age for a sepecies). In an analysm attached age for a sepecies, the or to enderco of human-caused understoy distributions during the past 80 to 100 years; and algodd subcurbers and multilaryered camopies; aggregations of cancey trees interspersed with cancery gapes; and significant numbers of standing dead snage and downed logs?	YES Wetland is a Category 3 wetland. Go to Question 8b	Go to Question &

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ď	The section of the se		
8	mainte cytested websites, is de website a lotested website mut 50% or more of the cover of under forest candov consisting of	3	<u>(</u>
	deciduous trees with large diameters at breast height (dbh), generally	Welland should be	Go to Question 9a
	diameters greater than 45cm (17.7in) dbh?	evaluated for possible Category 3 status.	
		Go to Question 9a	
98	Lake Erle coastal and tributary wetlands. Is the wetland tocated at	YES	(ON)
	elevation, or along a tributary to Lake Ene that is accessible to fish?	Go to Question 9b	Go to Question 10
99	Does the wetland's hydrology result from measures designed to	YES	ON
	partially hydrologically restricted from Lake Erie due to lakeward or	Wetfand should be	Go to Question 9c
	landward dikes or other hydrological controls?	evaluated for possible Category 3 status	
		Go to Question 10	
္တ	Are Lake Erie water levels the wetland's primary hydrological influence,	YES	ON
	i.e. the wetland is hydrologically unrestricted (no lakeward or upland	0 - 4- 0	0.1.0
	border attentions), of the weitand can be characterized as an "estuarine" weitand with lake and river influenced bydrokoov. These	OO O CINESIION SO	on to constroor 10
	include sandbar deposition wetlands, estuarine wetlands, river mouth wetlands, or those dominated by sixtenessed anialic vecelation.		
8	Does the welland have a predominance of native species within its	YES	ON
	vegetation communities, autologii normative or communication to malive species can also be present?	Wetland is a Category	Go to Question 9e
		S weden	
Ī		Si in mooding of	
86	Does the wettand have a predominance of non-native or disturbance tolerant native plant species within its vegetation communities?	YES	Q Z
		Wetland should be evaluated for possible Category 3 status	Go to Question 10
		Go to Question 10	(
ę	Lake Plain Sand Prairies (Oak Openings) is the welland located in	YES	(on)
	characterized by the following description: the welland has a sandy	Wetland is a Category	Go to Question 11
	substrate with interspersed organic matter, a water table often within several loches of the surface and often with a deminance of the	3 wetland.	
	gramineous vegetation listed in Table 1 (woody species may also be	Go to Question 11	
	present). The Unio Department of Natural Resources Division of Natural Areas and Preserves can provide assistance in confirming this		
=	I type of wedand and its quality. Relict Wet prairies. Is the wettand a relict wet prairie community.	YES	(N
	dominated by some or all of the species in Table 1. Extensive prairies)
	were formerly located in the Darby Plains (Madison and Union	Wetland should be	Complete
	Counties), cal rotary Frants (Wyaharu, Cawlord, and Marion Counties), northwest Ohio (e.g. Erie, Huran, Lucas, Wood Counties),	Category 3 status	Rating
	and portions of western Ohio Counties (e.g. Darke, Mercer, Miami,		
	Montgomery, Van Wert etc.).	Complete Cusnitative	

invasive/exotic spp	fen species	bog species	Oak Opening species	wet prairie species
Lyihrum salicaria	Zygadenus elegans var. glaucus	Calla palustris	Carex cryptolepis	Calamagrostis canadensis
Myriophyllum spicatum	Cacalla plantaginea	Carex atlantica war. capillaces	Carex lasiocarpa	Calamogrostis stricta
Natas minor	Carex flava	Carex echinata	Carex stricta	Carex atherodes
Phalaris arundinacea	Carex sterilis	Carex oligosperma	Cladium mariscoides	Carex buxboumil
Phragmites australis	Carex stricta	Carex trisperma	Calamagnostis stricta	Carex pellita
Potamogeton crispus	Deschampsia caespitosa	Chamaedapime calyculata	Calamagrastis canadensis	Carex sartwellii
Rantmeulus ficaria	Eleocharis rostellata	Decodon verticillatus	Overcus polustris	Gentiana andrewsii
Rhamnus frangula	Eriophorum viridicarinatum	Eriophorum virginicum		Helianthus erosses erratus
Typha angustifolia	Gentianopsis spp.	Larix laricina		Liairis spicata
Typha xglauca	Lobelia kalmii	Nemopanthus mucronatus		Lysimachia quadriflora
	Parnassia glauca	Schechzeria palustris		Lythrum alatum
	Potentilla fruticosa	Sphagnum spp.		Pycnanthemum virginianum
	Rhamnus alnifolia	Vaccinium macrocarpon		Silphum terebinthinaceum
	Rhynchospora capillacea	Vaccinium corymbosum		Sorghastrum nutans
	Salix candida	Vaccinium oxycoccos		Sparting pectinata
	Saltx myricoides	Woodwardia virginica		Solidago riddellii
	Salix serissima	Xyris difformis		,
	Solidago ohioensis			
	Tofteldia glutinosa			
	Triglochin maritimum			
	Priolochia nolustre			

End of Narrative Rating. Begin Quantitative Rating on next page.

ORAM Summary Worksheet

		circle answer or insert score	Result
Narrative Rating	Question 1 Critical Habitat	YES (NO	If yes, Category 3.
	Question 2. Threatened or Endangered Species	YES (NO	If yes, Category 3.
	Question 3. High Quality Natural Wetland	YES (NO	If yes, Category 3.
	Question 4. Significant bird habitat	YES (NO	If yes, Category 3.
	Question 5. Category 1 Wetlands	YES (NO	If yes, Category 1.
	Question 6. Bogs	YES (NO	If yes, Category 3.
	Question 7. Fens	YES (NO	If yes, Category 3.
	Question 8a. Old Growth Forest	YES (NO	If yes, Category 3.
	Question 8b. Mature Forested Wetland	YES (NO	If yes, evaluate for Category 3; may also be 1 or 2.
	Question 9b. Lake Erie Wellands - Restricted	YES (NO	If yes, evaluate for Category 3; may also be 1 or 2.
	Question 9d. Lake Erie Wetlands – Unrestricted with native plants	YES (NO	If yes, Category 3
	Question 9e. Lake Erie Wetlands - Unrestricted with invasive plants	YES (NO	If yes, evaluate for Category 3; may also be 1 or 2.
	Question 10. Oak Openings	YES (NO	If yes, Category 3
	Question 11. Relict Wet Prairies	YES (NO	If yes, evaluate for Category 3; may also be 1 or 2.
Quantitative Rating	Metric 1. Size	0	
	Metric 2. Buffers and surrounding land use	6	
	Metric 3. Hydrology	17	
	Metric 4. Habitat	11	
	Metric 5. Special Wetland Communities	0	
	Metric 6. Plant communities, interspersion, microtopography	1	
	TOTAL SCORE	32	Category based on score breakpoints 1 or 2 gray zone
			,

Complete Wetland Categorization Worksheet.

Wetland Categorization Worksheet

Did you answer "Yes" to any of the following questions:	YES	(E)	Is quantitative rating score less than the Category 2 scoring threshold (excluding gray zone)? If yes, nevaluate the
Namative Rating Nos. 2, 3, 4, 6, 7, 8a, 9d, 10	Wetland is categorized as a Category 3 wetland		category of the wetland using the narrative criteria in OAC Rue 3745-1-54(C) and biological and/or functional assessments to determine if the wetland has been over-
Did you answer "Yes" to any	YES	(<u>Ş</u>	categorized by the OKAM Evaluate the wetland using the 1) narrative criteria in OAC
or the following questions:	Wetand should be)	Kule 3/45-1-54(C) and 2) the quantitative rating score. If the wetland is determined to be a Cafegory 3 wetland using
Narrative Rating Nos. 1, 8b, 9b, 9e, 11	evaluated for possible Category 3 status	į	either of these, it should be categorized as a Category 3 welland. Detailed biological and/or functional assessments may also be used to determine the usefunds entropy.
Did you answer "Yes" to	YES	(<u>P</u>)	Is quantitative acting score greeter than the Category 2
Narrative Rating No. 5	Wetand is catagorized as a Catagory 1 wetland	ı (earling triestory of the welland using the variant reavaluate the category of the welland using the narrative critaria in OAC Rule 3745-1-54(C) and blokogical and/or fundronal assessments to delearrine if the welland has been under-calesorized by the OPAM.
Does the quantitative score	YES	<u>®</u>	If the score of the wetland is located within the scoring
of a Category 1, 2, or 3	Wettandis	ı	assigned to that category. In all instances however, the
webard?	assigned to the appropriate category based on		narrative criteria described in OAC Rule 3/45-1-54(C) can be used to clarify or change a categorization based on a quantifative score.
	Are aconng range		
Does the quantitative score fall with the gray zone Tor Category 1 or 2 or Category 2 or 3 wetlands?	Vestinal is assigned to the higher of the workpare of the workpare of the workpare of the assigned to a category based on detailed assessments and the nerrative	<u>0</u>	Rater has the option of assigning the weltand to the higher of the two realizations or to use sign a calegory based on the results of a normanid weltand assessment method, e.g., functional assessment bindogical assessment etc, and a consideration of the narrative criteria in CAC rule 3745-1-54(C).
	criteria		
Doos the welland otherwise orthit moderate Off superior hydrologic OR habitat, OR mechanist, OR mechanist, OR mediand was not accelegorized to a sea Catagory 2 welland (in the case of moderate functions) or a Catagory 3 welland (in the case of superior functions) or the case of superior functions) by this method?	YES Weltand was underategorized underategorized y this method. A writen justification for necategorization should be provided on Background information Form	Wetland is assigned to category as determined by the ORAM.	A wellard may be underangoprated using this method, but still sobible one or more supprior functions, e.g. a welland biolic communities may be degraded by funcia eachvilies, but the welland may still exhibit supervised by funcia eachvilies, involves because of its type, landscape position, size, local functions because of its type, landscape position, size, local enregine of the landscape position, size, local enregine or regional significance, are. In this forturnistance, the marraitwe orthers in CAC Pule 3745-1-34(C)(2) and (3) or confroiling, and the under-calegorization stould be controlled. A written justification with supporting rescons or information for this determination should be provided.

Choose one Galegory 1 Category 2 Category 3

End of Ohio Rapid Assessment Method for Wetlands.

Appendix E:

Stream Habitat Forms

< Z	V	Steep	per Sio	** V V		*************************************
			d	ben		
	e mod	125			18 -3	3-80 3-80
FI MEASUREMENTS X width X depth max, depth max, depth W/D ratio bendull X depth antipench, ratio foodprone X width foodprone X width foodprone X width foodprone X width	E J ISSUES F J ISSUES F J METAN J HOME TAMMA J HOME TAMMA J HOME TAMMA J HOME TAMMA SUBJECT TAMMA SUBJEC	PORACH PARA FORGA FORGA FORGA FORGA PORACH P	, PACH I MA SECATED SECATED SEMPLE SE	ADDING-SECTOR SPRAY SULCES RELOCATED ONE RELOCATED	B AESTHETICS WUISANCE ALGAE WUISANCE ALGAE UNSCOLONDON DISCOLONDON TRANSCOUN TRANS ISTURE UNISANCE OBOR TRANS ISTURE UNISANCE OBOR TRANS ISTURE UNISANCE OBOR TRANS ISTURE OBOR OBOR TRANS ISTURE OBOR OBOR	10x-20x C KECKEN 10x-20x C KECKEN 10x-20x C KECKEN
6 000 El Score: (57) Sayliv. Bhviro Science Sayliv. Bhviro Science	2 & evertope) QUALITY QUALITY DISAMY (2) The control of the contr	AMOUNT AMOUNT DATENSIVE OF 2 & reverge) EXTENSIVE > 77%, [11] MOOFBARE 5-25%, [3] SPARSE 5-25%, [3] NEARLY ABSENT 45% [1] MANAGEMENT AMOUNT A	Chemise Maximum (A) Maximum (A). C	creation Potential Thinary Contact Contact Contact From an of Contact From Contact From Contact Learner Contac	A SAMPLED REACH Service in Rules A Sample D REACH Check Li hashmur and apply A SAMPLED REACH Check Li has apply Check Li hashmur and apply A SAMPLED REACH A S
luation Index Field Sheet อัก// エイカの Rh me & Affileton: Ld. อักสะ ปฏ เช่น ปฏิจั		2] INSTREAM COVER Indicate presence 0 to 2. Outcomet 1 View and amounts of impression common of merginal carefully an indicate presence a should be found to the following the carefully an indicate of the carefully and th	AK ONE is seed calcagory (O-2 & avangos) T CHANNELIZATION STABILITY CHANNE (01 MONE (01 MONE) (01 MONE (01 MONE (01 MONE (01 MONE (01 MONE) (01 MONE (01 MONE (01 MONE) (01 MONE) (01 MONE (01 MONE) (01 MONE) (01 MONE) (01 MONE (01 MONE) (01	4) BANK ERCSION AND RIPARIAN ZDNE Check ONE in sech category for EACH BANK (Or 2 per bank & swarge) Read that the second of the sech category for EACH BANK (Or 2 per bank & swarge) READ TO BE SECOND DELAIN WIDTH READ TO BE SECOND DELAIN QUALITY B C C C C C C C C C	LITY CURRENT VELOCITY Average Onex ALL baseby Onex ALL	Indicate for functional riffles, Best areas must be large enough to support a population of the obligate apecies: Onex one (0.7.2 energy). RETURE OFFIT TO SERVE ELEVISION SERVET ELEVISION EN PER EL EL EL PER EL
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PHWH Form Page - 1

October 24, 2002 Redelon

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PHWH Form Page - 2

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Potkomed? (VM) \(\times\) in yes, Record at detervations. Vorther cabellors optional NOTE: at voucher sample attack to this site of the si Distance from Evaluated Stream 1.25 mm.
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Ostance from Evaluated Stream NRCS Soil Map Page.____ NRCS Soil Map Steam Order Fish Observed" (YM), Voucher! (YM), Salemenders Observed? (YM), Voucher? (YM), Vo MAPPING. ATTACH COPIES OF MAPS, INCLUDING THE ENTRE WATERSHED AREA. CLEARLY MARK THE SITE LOCATION Conductivity (juminosiam) Were samples collected for water chemistry? (VM): 🔼 (Note tab sample no. or id. and albuch results) Lab Nimber; (II Yes, Allach Completed QHEI Form) Township / City. MAD 150 ,J Field Measures: Temp (*C)______ Dissolved Oxygen (mgA) _____ pH (SU) ____ ADDITIONAL STREAMINFORMATION (This information Must Also be Compission). is the sampling reach tepresentative of the stream (YM) 📜 if not, please explain; OHEI PERFORMED? - C) Yes KNo OHEI Score USGS Quadrangle Name N 25T PHILLT B WWH HAME. YELLON CHEEK CONTROL OF CHEEK CONTROL OF CHEEK CONTROL OF CHEEK CH Additional comments/description of pollution impacts*_ COUNTY. COLUMBIANA BIOTIC EVALUATION #45CELLANEOUS Photograph Information:

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DRAWING AND NARRATIVE DESCRIPTION OF STREAM REACH (This Intest be completed): Include inportant indimates and other hautres of intesting self or site evaluation and a narrative description of the pineam's location. N NN Sook of the state **/**/\ FLOW

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•	Primary Headwater Habitat Evaluation Form	HMEI Score (sum of metrics 1, 2, 3) :

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July 20, 200º Revision

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C) Moderate or traval (3) Moderate to Severe

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<u>additional stream information (The Information Wust Also de Campiered):</u>

(if Yes, Atach Completed OHELF offin)	Obtance from Evaluated Stream 1.25 mi	mapping. Attach copies of maps, including the <u>entire</u> watershed area. Clearly mark the site Location	p Page: NRCS Soil Map Stream Order	MADISOA	Onanth Y	
QHEI PERFORMED? - CTYS (MYSS.)	Areduse(s)	ies of maps, noluding the <u>entire</u> waters	EST POLUT NRCS SOII MAP PAge:	1AJA Township I City	Date of last precipitation:	7, 01
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.... Conductivity (prinhostern)

Additional comments/description of poliution Impacts:_

BIOTIC EVALUATION

Comments Regarding Bidlogy.

Include Important fandmarks and other features of Interest for site evaluation and a namalive description of the stream's tocation DRAWING AND NARRATIVE DESCRIPTION OF STREAM REACH (This must be completed):



Modified Class II

ADOITIONAL STREAM INFORMATION (This information blust Also de Compleigd):

Primary Headwater Habitat Evaluation Form	
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Secretary Secret	Pool Depth	Parektuli Widelin Kaxe-30
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ation <u>must</u> also be completed ANOTE: River Leff (L) and Right (R) as looking downstreams ^b OUMLITY	#Bank) L. A Marold CiCl	P 0 0 0	Moist Channel, indeled poots, no to Ory chansel, no water (Ephemeral)		M Moderate to Severe
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STERMARE COCKESS. H.V. DS DS DID BETTE RUMBER S-5 RICHE ASSW 0140 DANANCE AREA MF) O. O. U.O.	LENGTH OF STREAM TEACH (1) 310 LAT 40.648617 Days, 40.727007 Tiver code RIVER MILE.	NOTE: Complete All items On This Form - Refer to "Pleid Evaluation Manual for Ohlo's PHWH Streams" for Instructions	STREAM CHANNEL CHANGLINATURAL CHANNEL X RECOVERS DIRECOVERING DIRECTOR NO RECENT OR NO RECENTOR NO SECONERY MODIFICATIONS.	
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ooking downstreamsh	Contervation Titlege Urban or Industrial	Open Pasture, Row Crop Meling or Conduction	oks. no tow (Internation) injemental)	25	O Sevethare, a	
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bitat Evaluation Form HHEI Score (sum of metrics 1, 2, 3):	STENAMELOCATION SOUTH DELG EXEXCY REFECCIONSCIDION FACILIAL (MACHINA) TWO (COLUMN ANA C	DRAINAGE AREA (mit)	VER CODE RIVER MILE
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OTIESTA Primary Headwater Habitat Evaluation Form HHEI Score (sum of matrics 1,	STE NAMEA OCATION S	HUC (1503010) SITE NUMBER S-LO RIVER BASIN CHIO	LENGTH OF STREAM REACH (1) (0.3 LAT.40.646782 LONG-80.724624 BIVER CODE

NOTE: Compisso All froms On This Form - Refer to "Field Evaluation Manual for Ohio's PHWH Streams" for instructions STREAM CHANNEL DIVONE INSTITUTEL CHANNEL CIRCOVERED DRECOVERING DRECENT OR NO RECOVERY WORLD STREAM CHANNEL DATE 11 24 2015 SCOPER M. C. MYLOY COMMENTS

HHEI Metric Points	2 s	A+8	Pool Depth		Bonkfull Width Max=30	n .
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October 24, 2002 Rentsion

ADDITIONAL STREAM WIFORMATION (The Information Must Also be Completed):	\$ \$1
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TREAM DESIGNATED USE(8)	Distance from Evelueled Streem ~ O. 57M.i
LJ EWH Norme: MAPPING: ATTACH COPEE OF MAPS, INCLUDING THE ENTIRE WATERSHED AREA, CLEARLY MARK THE SITE LOCATION	K THE SITE LOCATION
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county. Columbiana Township/city. Madison Twy	
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October 24, 2022 Revision

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> Benkfull Width Max=30 $\bar{\kappa}$

MAXMUM POOL DEPTH (centimeters):

ents) (Check OVLY one box): > 1.0 m - 1.5 m (> 3' - 4' B') [15 pts] < 1.0 m (≤ 3' 3') [5 pts]

BANK FULL WIDTH (Measured as the average of 34 measurem > 4.0 majors (> 19) [39 ppt] > 4.0 m - 4.0 m (> 0.7 - 19) [35 ppt] > 1.5 m - 3.0 m (> 0.7 - 4.9 [78 ppt]

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October 24, 2002 Revision

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NOTE: Complete All Names On This Form - Refer to "Field Evaluation Menual for Onlo's PHWH Streams" for Instructions
STREAM CHANNEL.

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June 20, 2008 Flexision

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Additional commentis/description of pollution Impacts:

BIOTIC EVALUATION

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ADDITIONAL STREAM INFORMATION (This Information must Also De Completed):

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NOTE: Complete All Items On This Form - Refer to "Field Evaluation Manual for Ohio's PHWH Streams" for instructions ANONE / NATURAL CHANNEL CHECOVERED CHECOVERING CHECOST OR NO RECOVERY STREAM CHANNEL **MODIFICATIONS:**

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Julia 20, 2008 Revision PHWH Form Page - 1

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NOTE: Complete All Kems On This Form - Refer to "Field Evaluation Manual for Onlo's PHWH Streems" for Instructions AM NONE / NATURAL CHANNEL C) RECOVERED C) RECOVERING C) RECENT OR NO RECOVERY HHEI Score (sum of metrics 1, 2, 3): LENGTH OF STREAM PEACH (B) 25 LATHO-WISIS LONG-80721103 RIVER CODE RIVER MILE OAT 11/24/2015 SCORER M. 6/11/2019 COMMENTS SITE NAMELOCATION SOMETH TRELA BATCADITICATION TRUELLY INVADATION TWEP LODIUMARIAN CA. PROSINO SITE NUMBER S - 18. RIVER BASIN OPTO DAVINAGE ARRAND SI Primary Headwater Habitat Evaluation Form STREAM CHANNEL MODIFICATIONS:

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Distance from Evaluated Stream

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(if Yee, Attach Completed Cartil Form)

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Distance from Evaluated Stream

Mapping: Attach copies of Maps, incuding the <u>entite</u> vatershed area. Clearly Mark the site location

ARCS Soil Map Page:__

USOS Cuadrangle Name: WEST-Point

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County

Were samples collected for water chemistry? (YM); N (Note jab sample no, or it, and attach results) Lab Numbor.

Elevated Turbidity (YNJ): N. Canopy (% open): 1.D.

Photograph Information:

MISCELLANEOUS

MISCELLANEOUS

Date of last precipitation: 11| 23 | 2015 Outputty, O. 01"

Conductivity (unitos/cm)

pH (SU.)

is the sampling reach representative of the stream (YAS) ______ If not, please applain Floki Measures: Temp (*C) ____ Dissolved Daygen (mg/l) ____

Addiknal comments/description of politikn impacts:_

BIOTIC EVALUATION

NRCS Soil Map Stream Order

TOWNSHIP/CITY MACHINIM TWP

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HHEI Metric Points Substrate Max = 40	A + B	Pool Depth		Worth Water 20
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eris sum eris sum eris pa	SUBST	Author re	DEPTH (#Yonet r'87 [15p
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4. Check ONL Y hap predominant sub as of 8). Finel metric score its sum of SILT 13 pd SILT 13 pd SILT PACKHOODY DEBRIS [5] pds] SILM or HARDPAN (6) pd WUCK (6) pds]	ARTIFICIAL IS INVITED (B) (B) TOTAL NUMBER OF SUBSTRATE TYPES	the fs meter (200 fg evolvation reach aith a) (Check CMY one box): 5 cm - 10 cm [15 pts] - 5 cm - 10 cm [15 pts] NO WATER OR MOIST CHANNEL (B pts]	RAXIBU	NS) (Check ONLY ONE DOX > 1.0m (= 3°3") 5 ps] < 1.0m (= 3°3") 5 ps] AVERAGE BANKFULL WIDTH
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	⊔ 8 <u>,</u>	4 000		

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Comments Regarding Biology.

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edge of project Raw Include imfortant landmarks and other features of Interest for site evaluation and a narrative description of the stream's location DRAWING AND NARRATIVE DESCRIPTION OF STREAM REACH (This must be completed): Forestal FLOW L Row

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Primary Headwater Habitat Evaluation Form Headwater Habitat Evaluation Form HHEI Score (sum of mortices 1, 2, 3):	
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DATE 4 (3b) 15 SCORER L. SAYK	L. Sayre comments		
NOTE: Complete All Iten	NOTE: Complete All lisms On This Form - Refer to "Field Evaluation Manual for Ohio's PHWH Streams" for instructions	on Manual for Ohlo	's PHWIH Streams" for instruction
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HHEI Metric Points Substete Max 40	Pool Depth	Width Width 15
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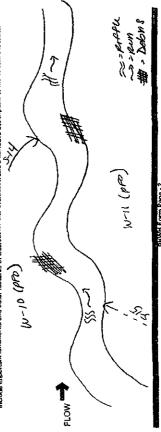
This information <u>must</u> also be completed RIPARIAN ZONE AND FLOODPLAN DOALLITY SYNDER: River Let (L) and Right (R) as looking downstream'S FLOODPLAN LOUNLITY FLOODPLAN OLALITY		Nerrow <5m CDX	FLOW REGIME (At Time of Evaluation) (Check ONLY one box): Sitean Howing Most Chainel, isolated pools, no flow (Interdition) On the control of the control	3.0 NIVOSITY (Number of bends, per 61 m (200 ft) of channel) (Check ONL? one box): C 3.0 where C 1.0 1.5 C 2.6 XZ >3	STREAM GRADIENT ESTIMATE (SAVINOR) DIMOGRADE DI SOVERE DI SEVERE (SAVINOR)
RIPARIAN Z RIPARIAN	Mide >10	O None	FLOW REGI	SINUOSITY D None D 0,5	STREAM GRADIEN

Performed? (YN): (1) Yes, Record all observations. Youcher collections optional. NOTE: all voucher samples must be labeled with the site.

ID number, Include appropriate field data sheets front the Primary Headwater Habital Assessment Manuel). NRCS Soil Map Stream Order MAPPING: ATTACH COPIES OF MAPS, INCLUDING THE BATINE WATERSHED AREA. CLEANLY WARK THE SITE LOCATION Fish Observed? (YNN) Voucher? (YNN) Salamenders Observed? (YAN) Voucher? (YNN) Frogs or Tadpoles Observed? (YNN) Voucher? (YNN) Aquelic Macroinvertabrates Observed? (YNN) Voucher? (YNN) Distance from Eveluated Stream.
Distance from Eveluated Streem. Conductivity (µmhos/em) Were samples collected for water chemistry? (YM); . M. (Note ich sample no. cr.ld. and attach results) Lab Number:_ Township! City: Made Ston Two (If Yes, Attach Completed QHEI Form) NRCS Soil Map Page: pH (S.U.) ADDITIONAL STREAM INFORMATION (This Information Must Also be Completed): Is the sempling reach representative of the stream (YNV) _____ If not, please explain. Dissolved Oxygen (mg/l) CHEIPERFORMED? - () Yes XNo OHEI Score ___ Photograph Information: Att. Upstream from center ofreach_ Base Flow Conditions? (Y/N); U Date of lest precipitation; Canopy (% open): USGS QUEGRANGE LLAST POINT Additional comments/description of pollution impects: DOWNSTREAM DESIGNATED USE(S) county Columbiana Elevated Turbidity? (Y/N): Field Measures: Temp (*C)____ BIOTIC EVALUATION Comments Regarding Biology: MISCELLANEOUS O WWH Name:

CWH Name:

Include important landmerks and other features of interest for alta evaluation and a narrative description of the stream's location DRAWING AND NARRATIVE DESCRIPTION OF STREAM REACH (This must be completed):



October 24, 2002 Ravision

PHWH form Page - 1

October 24, 2002 Revision

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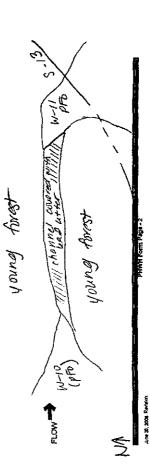
Original Primary Headwater Habitat Evaluation Form HEI Score (sum of metrics 1, 2, 3):	STEENINGER 5-14 RIVER BISH (D1/4) CRANNER RIVER OF THE BISH (D1/4) CRANNER RIVER ME. LENGTHOF STREAM REACH (0, 2.7] LAT, 40, 646, CANG. 70, 71,8 RIVER ODDE DATE 4/30/15 SCORER (-5.04,7/2.com/ments)	NOTE: Complete all flams On This Form - Refer to "Flaid Evaluation Manual for Ohio's Privit Streams" for Instructions the subject of the Conference of the Conference of the Conference of Streams of Streams of the Conference of Streams of Strea
Chinary Primary H	LENGTH OF STREAM REACH (N. 27 LONG 4720/15 SCORER C. SOLL	NOTE: Complete All Itans on This Form strike All Children

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Distance from Evaluated Stream Conductivity (unhos/cm) Were samples cotected for water chemistry? (YAA): . . (Note leb sample no. or id, and editech results) Lab Number... (If Yes, Attach Completed QHEI Form) Quantity PH(BU) ACINTIONAL, STREAM INFORMATION (THE Information Must Also be Completed); is the sumpling reach representative of the streen (YM) \bigvee if not, please explain. Fleid Measures: Temp (*C)_____Dissolved Oxygen (mg/l)_____ Elevated Turbidity? (VAV). N. Canopy (% open): 10 CHEI PERFORMED? - TY69 KNO CHEI SOOTS ___ Additional comments/description of pollution impects: USOS Quedrando Namo WCST PDINT DOWNSTREAM DESIGNATED USE(S) courts. (Alumbiand) Comments Regarding Biology. BIOTIC EVALUATION MISCELLANEDUS O WWH Name: O CWH Name: O BASH Name:

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PHWH Form Paga -1

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<u>Additional Streem information ithis information have Aso de Corromaci.</u>
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Were samples collected for water chercharts (YAA): V (HAME IND Sample no. or it, and attach results) Lab Number
Flight Measures: Temp (°C) Disselved Oxygen (mg/l) PH (8.U.) Conductifity (unihoxion)
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Additional comments/description of pollution impacts:
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DRAWING AND HARRATIVE DESCRIPTION OF STREAM REACH (This must be completed):
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PKWH Form Page - 1

June 20, 2009 Revision

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	Primary Headwater H

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	Primary Headwater Habitat Evaluation Form	
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ADDITIONAL STREAM INFORMATION (This Information Music Also de Completed):

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Jine 20, 2006 Revision

Class #

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June 20, 2008 Reylston

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June 20, 2008 Review

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June 20, 2008 Revision

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include important (andmarks and other features of interest for atte evaluation and a narrative description of the stream's location Distance from Evaluated Stream (1) 2 2.1.
Distance from Evaluated Stream
Distance from Evaluated Stream RAPPING: ATTACH COMES OF MAPS, INCLUDING THE ENTINE WATERSHED AREA. CLEARLY MARK THE BITE LOCATION NRCS Soll May Page: NRCS Soll May Steam Order ORAWING AND NARRATIVE DESCRIPTION OF STREAM REACH (This must be completed): Fleid Messures: Tanp (*C)______ Disobred Daygen (mg/s)______ pH (8.U.)______ Conductivity (umhosfon)____ Ware samples caledied for water checkistry? (YM):________(Male tab sample no. or id. and altach results) Lab Mumber.__ YELLOW CREEK successional forcest Sulusion front 5-14-5 parak is the sampling reach representative of the stream (YAV)______ If not, piezse explain; Township / City. Bess Flow Conditions? (YM): N Date of last precipilation: Elevated Turbidity? (YAN) N Canopy (% open): USGS Quadrage Name UEST POINT Additional comments/description of polition impacts; SOWNH Name.

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COWN Name.

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Ohio Department of Natural Resources

JOHN R. KASICH, GOVERNOR

JAMES ZEHRINGER, DIRECTOR

Ohio Division of Wildlife Scott Zody, Chief 2045 Morse Rd., Bldg. G Columbus, OH 43229-6693 Phone: (614) 265-6300

May 29, 2015

Lynn Gresock Tetra Tech 238 Littleton Rd. Westford, MA 01886

Dear Ms. Gresock,

Per your request, I have e-mailed you a set of shapefiles with our Natural Heritage Program data for the East Ohio Energy Electric Power Plant Construction project, including a one mile radius, in Yellow Creek Township, Columbiana County, Ohio. This data will not be published or distributed beyond the scope of the project description on the data request form without prior written permission of the Natural Heritage Program.

Records included in the data layer may be for rare and endangered plants and animals, geologic features, high quality plant communities and animal assemblages. Fields included are scientific and common names, state and federal statuses, as well as managed area and date of the most recent observation. State and federal statuses are defined as: E = endangered, T = threatened, P = potentially threatened, SC = species of concern, SI = special interest, FE = federal endangered, FT = federal threatened and A = recently added to inventory, status not yet determined.

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. This letter only represents a review of rare species and natural features data within the Ohio Natural Heritage Database. It does not fulfill coordination under the National Environmental Policy Act (NEPA) or the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S. C. 661 et seq.) and does not supersede or replace the regulatory authority of any local, state or federal agency nor relieve the applicant of the obligation to comply with any local, state or federal laws or regulations.

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

Sincerely,

Debbie Woischke

Ohio Natural Heritage Program

Debbie Worschhe

Pase No. 16-1166-61-BLN

Attachment D: Letter to Landowners

2017 JUN 30 PM 5: 26

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52 East Gay Street P.O. Box 1008 Columbus, Ohio 43216-1008

614.464.6400 | www.vorys.com

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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Buckeye Water District P.O. Box 105 Wellsville, OH 43968 Attn: Al DeAngelis

Re:

South Field Energy Natural Gas Pipeline Interconnection Columbiana County, Yellow Creek and Madison Townships Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. DeAngelis:

This letter is being sent to the Buckeye Water District pursuant to the Ohio Power Siting Board rules and because the Buckeye Water District is either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

The SFE Natural Gas Interconnection will supply natural gas, the primary fuel to the proposed state-of-the-art combined cycle electric generating facility located on an 86.5-acre property along Hibbetts Mill Road in Yellow Creek Township, Columbiana County. The SFE Natural Gas Interconnection will extend from a point of interconnection at the proposed electric generating facility in a westerly direction for approximately two miles to a point of interconnection at the existing Dominion Transmission Pipeline (Dominion) natural gas pipeline. Enclosed is a map showing an overview of the SFE Natural Gas Interconnection.

South Field Energy LLC recently filed a Letter of Notification with the Ohio Power Siting Board which is now pending in Case No. 16-1166-GA-BLN. The Letter of Notification seeks approval to construct, operate and maintain the SFE Natural Gas Pipeline Interconnection.



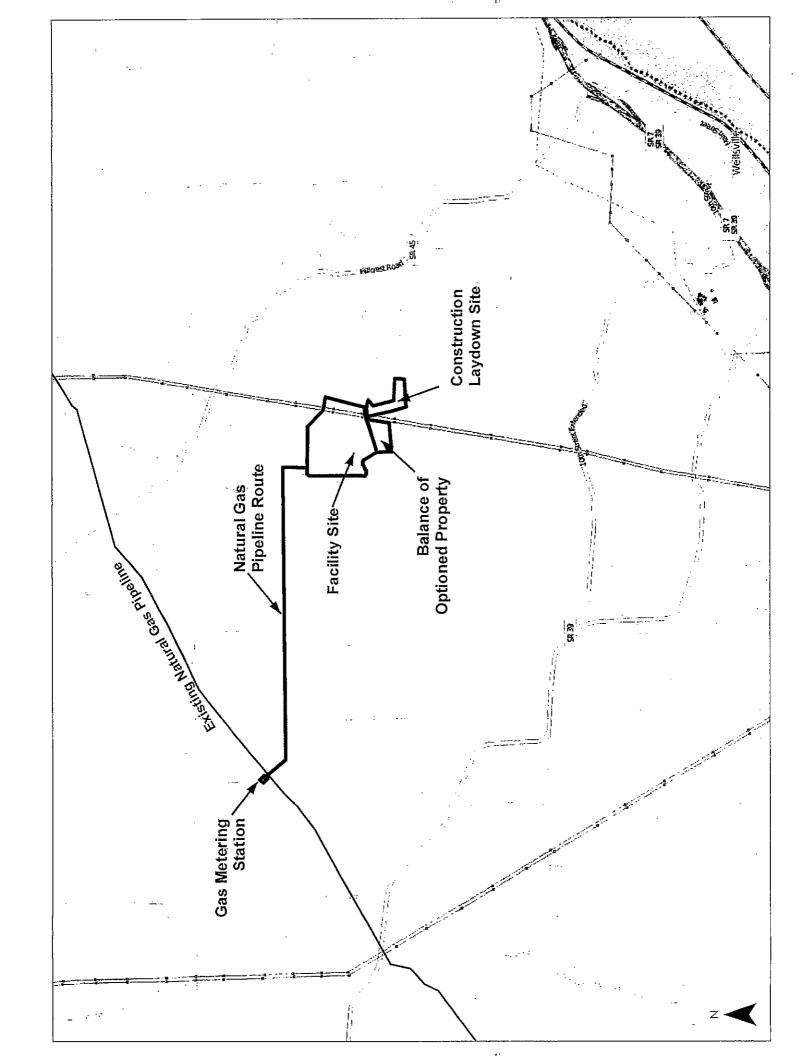
You may participate and comment in the Board's proceedings by filing a motion to intervene or by filing comments with the Board by July 18, 2016. Motions and comments should be addressed to the Docketing Division, The Ohio Power Siting Board, 180 E. Broad St., 11th Floor, Columbus, OH 43215-3793, and cite Case No. 16-1166-GA-BLN.

If you have any questions concerning the proposed SFE Natural Gas Interconnection, please contact Zac Gordon, the project manager, at (617) 456-2213 or me at (614) 464-5462.

Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Dale A. and Kelly A. McElhaney 18123 Nicholson Road Wellsville, OH 43968

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships

Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. McElhaney:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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If you have any questions concerning the proposed SFE Natural Gas Interconnection, please contact Zac Gordon, the project manager, at (617) 456-2213 or me at (614) 464-5462.

Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Steven A. and Tanna T. Newlan 210 7th Street Wellsville, OH 43968

> Re: South Field Energy Natural Gas Pipeline Interconnection Columbiana County, Yellow Creek and Madison Townships

> > Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. Newlan:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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If you have any questions concerning the proposed SFE Natural Gas Interconnection, please contact Zac Gordon, the project manager, at (617) 456-2213 or me at (614) 464-5462.

Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Norman S. Spiker 115 Stanton Avenue Columbiana, OH 44408

Re:

South Field Energy Natural Gas Pipeline Interconnection Columbiana County, Yellow Creek and Madison Townships Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. Spiker:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettjneri@vorys.com

June 30, 2016

Brian K. Wallace 41840 Osbourne Road Wellsville, OH 43968

Re:

South Field Energy Natural Gas Pipeline Interconnection Columbiana County, Yellow Creek and Madison Townships Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. Wallace:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Dean L. and Sandra J. Forbes 42301 Osbourne Road Wellsville, OH 43968

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships

Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. Forbes:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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If you have any questions concerning the proposed SFE Natural Gas Interconnection, please contact Zac Gordon, the project manager, at (617) 456-2213 or me at (614) 464-5462.

Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Herman R. and Gail L. Lindsay 16712 State Route 45 Wellsville, OH 43968

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships

Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. Lindsay:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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If you have any questions concerning the proposed SFE Natural Gas Interconnection, please contact Zac Gordon, the project manager, at (617) 456-2213 or me at (614) 464-5462.

Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



52 East Gay Street P.O. Box 1008 Columbus, Ohio 43216-1008

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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Mark P. and Amy E. Wiley 41647 Osbourne Road Wellsville, OH 43968

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships

Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. Wiley:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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If you have any questions concerning the proposed SFE Natural Gas Interconnection, please contact Zac Gordon, the project manager, at (617) 456-2213 or me at (614) 464-5462.

Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



52 East Gay Street P.O. Box 1008 Columbus, Ohio 43216-1008

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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Nyleptha L. and Michael J. Mattern 43051 James Road Wellsville, OH 43968

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. Mattern:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



52 East Gay Street P.O. Box 1008 Columbus, Ohio 43216-1008

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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Thomas H. and Carol J. Excell 17848 Forbes Road Wellsville, OH 43968

> Re: South Field Energy Natural Gas Pipeline Interconnection Columbiana County, Yellow Creek and Madison Townships

Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. Excell:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



52 East Gay Street P.O. Box 1008 Columbus, Ohio 43216-1008

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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Ray M. and Nancy K. Parrish 18121 Fife Coal Road Wellsville, OH 43968

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships

Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. Parrish:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

William Brian Forbes 17729 Fife Coal Road Wellsville, OH 43968

Re:

South Field Energy Natural Gas Pipeline Interconnection Columbiana County, Yellow Creek and Madison Townships Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. Forbes:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

The SFE Natural Gas Interconnection will supply natural gas, the primary fuel to the proposed state-of-the-art combined cycle electric generating facility located on an 86.5-acre property along Hibbetts Mill Road in Yellow Creek Township, Columbiana County. The SFE Natural Gas Interconnection will extend from a point of interconnection at the proposed electric generating facility in a westerly direction for approximately two miles to a point of interconnection at the existing Dominion Transmission Pipeline (Dominion) natural gas pipeline. Enclosed is a map showing an overview of the SFE Natural Gas Interconnection.

South Field Energy LLC recently filed a Letter of Notification with the Ohio Power Siting Board which is now pending in Case No. 16-1166-GA-BLN. The Letter of Notification seeks approval to construct, operate and maintain the SFE Natural Gas Pipeline Interconnection.



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If you have any questions concerning the proposed SFE Natural Gas Interconnection, please contact Zac Gordon, the project manager, at (617) 456-2213 or me at (614) 464-5462.

Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



52 East Gay Street P.O. Box 1008 Columbus, Ohio 43216-1008

614.464.6400 | www.vorys.com

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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Charles T. and Deborah McDowell 43138 10th Street Ext. Wellsville, OH 43968

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships

Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. McDowell:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Emall mjsettineri@vorys.com

June 30, 2016

Tommy Watson 43857 Hibbetts Mill Road Wellsville, OH 43968

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. Watson:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



Legal Counsel

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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email misettineri@vorys.com

June 30, 2016

Charles M. and Pamela Sue Davis 18421 Forbes Road Wellsville, OH 43968

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships

Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. Davis:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Bradley F. and Cynthia J. Bartlett 46365 Walker Road East Liverpool, OH 43920

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships

Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. Bartlett:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email misettineri@vorys.com

June 30, 2016

Cheryl Pierce 41791 Glasgow Road Lisbon, OH 44432

Re:

South Field Energy Natural Gas Pipeline Interconnection Columbiana County, Yellow Creek and Madison Townships Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Ms. Pierce:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Very truly yours,

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Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Emaîl mjsettineri@vorys.com

June 30, 2016

John F. and Sandra Lee Russell 42933 State Route 39 Wellsville, OH 43968

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships

Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. Russell:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Cory D. and Cindy L. Marshall 41694 Osbourne Road Wellsville, OH 43968

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. Marshall:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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June 30, 2016

Robert Lee and Kimberly Jo Woodburn 41710 Osbourne Road Wellsville, OH 43968

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships

Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. Woodburn:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Lisa Kay Pence 41848 Osbourne Road Wellsville, OH 43968

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Ms. Pence:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Kenneth Dean Williams 18142 Fife Coal Road Wellsville, OH 43968

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. Williams:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Kenneth A. Cochran, Sr. 18166 Fife Coal Road Wellsville, OH 43968

Re:

South Field Energy Natural Gas Pipeline Interconnection Columbiana County, Yellow Creek and Madison Townships

Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. Cochran:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Kenneth C. Butts 18202 Fife Coal Road Wellsville, OH 43968

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships

Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. Butts:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Barbara L. Williams 18222 Fife Coal Road Wellsville, OH 43968

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships

Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Ms. Williams:

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Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



Legal Counsel

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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Stanley O. and Janice A. Cunningham 18942 Forbes Road Wellsville, OH 43968

Re:

South Field Energy Natural Gas Pipeline Interconnection Columbiana County, Yellow Creek and Madison Townships Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. Cunningham:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Troy Huff 18190 Nicholson Road Wellsville, OH 43968

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. Huff:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

The SFE Natural Gas Interconnection will supply natural gas, the primary fuel to the proposed state-of-the-art combined cycle electric generating facility located on an 86.5-acre property along Hibbetts Mill Road in Yellow Creek Township, Columbiana County. The SFE Natural Gas Interconnection will extend from a point of interconnection at the proposed electric generating facility in a westerly direction for approximately two miles to a point of interconnection at the existing Dominion Transmission Pipeline (Dominion) natural gas pipeline. Enclosed is a map showing an overview of the SFE Natural Gas Interconnection.

South Field Energy LLC recently filed a Letter of Notification with the Ohio Power Siting Board which is now pending in Case No. 16-1166-GA-BLN. The Letter of Notification seeks approval to construct, operate and maintain the SFE Natural Gas Pipeline Interconnection.



You may participate and comment in the Board's proceedings by filing a motion to intervene or by filing comments with the Board by July 18, 2016. Motions and comments should be addressed to the Docketing Division, The Ohio Power Siting Board, 180 E. Broad St., 11th Floor, Columbus, OH 43215-3793, and cite Case No. 16-1166-GA-BLN.

If you have any questions concerning the proposed SFE Natural Gas Interconnection, please contact Zac Gordon, the project manager, at (617) 456-2213 or me at (614) 464-5462.

Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



52 East Gay Street P.O. Box 1008 Columbus, Ohio 43216-1008

614.464.6400 | www.vorys.com

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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email mjsettineri@vorys.com

June 30, 2016

Lyle and Cassandra Adkins 1390 Hillcrest Road Wellsville, OH 43968

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships

Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. Adkins:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Very truly yours,

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Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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June 30, 2016

Edward C. and Mary E. Doland 1801 Bridgeview St., Box 57 Matlacha, FL 33993-0057

Re:

South Field Energy Natural Gas Pipeline Interconnection Columbiana County, Yellow Creek and Madison Townships Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. Doland:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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June 30, 2016

Thomas H. and Carol J. Minor 7905 State Route 45 Lisbon, OH 44432

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships

Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. Minor:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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June 30, 2016

Cory and Jamie Boyle 18864 Forbes Road Wellsville, OH 43968

Re:

South Field Energy Natural Gas Pipeline Interconnection Columbiana County, Yellow Creek and Madison Townships Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. Boyle:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Very truly yours,

Michael T. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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June 30, 2016

Arron T. and Kimberly A. Blatch 18717 Forbes Road Wellsville, OH 43968

Re:

South Field Energy Natural Gas Pipeline Interconnection Columbiana County, Yellow Creek and Madison Townships Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. Blatch:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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Very truly yours,

Michael J. Settineri

Vorys, Sater, Seymour and Pease LLP Attorney for South Field Energy LLC



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Michael J. Settineri Direct Dial (614) 464-5462 Direct Fax (614) 719-5146 Email misettineri@yorys.com

June 30, 2016

Alan H. Buzzard 18699 Forbes Road Wellsville, OH 43968

Re:

South Field Energy Natural Gas Pipeline Interconnection Columbiana County, Yellow Creek and Madison Townships Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. Buzzard:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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June 30, 2016

John and Pearl Fraser Trust 11680 Edge Hill Road Newburg, MD 20664

Re: South Field Energy Natural Gas Pipeline Interconnection

Columbiana County, Yellow Creek and Madison Townships

Ohio Power Siting Board Case No. 16-1166-GA-BLN

Dear Mr. and Mrs. Fraser:

This letter is being sent to you pursuant to the Ohio Power Siting Board rules and because you are either a property owner or an affected tenant in the vicinity of a proposed two mile 20 inch diameter natural gas pipeline which will be located along the border of Madison and Yellow Creek Townships, Columbiana County, Ohio ("the SFE Natural Gas Interconnection").

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