Connent Summary of Comment	Reference to Letter	Entity(ies) Submitting Comment	Draft HCP or DEIS reference	Response
	p. 25	EarthJustice*	DEIS Ch. 5	The FEIS addresses cumulative impacts in Chapter 5. With re- wildlife resources, a variety of development pressures may no the conservation measures and mitigation that will be part of anticipated that activities authorized by the ITP will have a ne impacts to fish and wildlife resources, including mussels.
2 Mussel monitoring protocols were not completed at the time the HCP was released. Public unable to comment.	p. 25	EarthJustice*		Mussel survey protocols will comply with protocols in approv available science; protocols that are included in the Final MSH MSHCP activities and will be followed in accordance with the
3 Mussel protection and planning should include events such as spills and streambank failure	p. 26	EarthJustice*	that is addressed in multiple places in the HCP (i.e. Ch. 8 Funding, 6.2.7.4 - 5)	The FWS worked with NiSource to improve response to such stream bank failure, the MSHCP incorporates specific measur NiSource to do additional planning for slopes > 30% (a key fac bank failure). NiSource Environmental Construction Standard trench barriers and not leaving trenches open to the stream be employed to avoid sedimentation and catastrophic failure. T incorporation of the following measures into the MSHCP, imp outlined in AMM # 2, would provide an added layer of protect there are steep slopes and the potential for prolonged rains of implementation of hard/soft trench plugs; b)implementation c) increased use of temporary slope drains (flexible pipe lead installing interceptors as a part of spoil piles.
4 Request that Take for mussels be described in stream miles rather than acres.	p. 28	EarthJustice*		Acres provide a better way to evaluate mitigation. The inform distance using stream widths is provided in the HCP or its app spreadsheet).

regard to cumulative impacts to fish and regatively impact the resources. Due to of the implementation of the MSHCP, it is negligible effect on the cumulative

roved recovery plans and the best ISHCP were developed specificially for he MSHCP, IA and permit.

ch events. With respect to catastrophic sures in Mussel AMM # 2, which require factor relating to catastrophic stream ards (ECS) require specific measures like m bank as measures that are always . The Service and NiSource agree that the mplemented under the procedures tection for extant mussel resources where as or heavy rain during intense storms: a) on of in-line and off-ROW sediment traps; ading off-ROW); and d) breaking-up and

prmation to convert acres into linear ppendices (i.e., take calculation

5 Response for mussels under changed circumstances is inadequate.	p. 27	EarthJustice*	HCP 10.3 p. 3-4, 16, 33, 41	This comment relates to changed circumstances affecting mit cases in which drought, flooding, or invasive species affect a r mussels. As currently written, Chapter 10 of the MSHCP requ to NiSource implementing corrective action. With respect to that the five-year monitoring period is necessary to understan invasion prior to taking corrective action. We agree with the severe drought or flooding, a large component of the restore destroyed in a single stochastic event (e.g., severe summer-lo those cases, it is more appropriate to replace the lost mitigat continue to provide mitigation benefits. For the changed circ related to mussel mitigation, NiSource agrees that if greater t population (based on the numbers initially restored or most r series of drought or flood events, NiSource will replace at leas within one calendar year of the loss unless there are extenuar species are not available for translocation) in which case, NiSo soon as practicable, which may include funding additional mu determined by the Service, the mussel assemblage (into whic has been depopulated to an extent that replacing the lost HC mitigation; or b) it is determined by the Service that the origin longer suitable because of drought or flooding, NiSource in co reestablish the original level of mitigation at a new site for the
 6 Additional measures to avoid impacts recommended including monitoring equipment to avoid introduction of invasives and assessment of risk of surfactants added to hydrostatic test water 	p. 12	TNC	HCP 6.2.4.3 p. 107 112	already addressed.
7 Concerns expressed regarding assessment work to determine presence and density of mussel populations prior to instream work	p. 12-13	TNC		This comment concerns the methodology employed by NiSou is based on an average density estimate over 50% of the avai density estimates could be in error for any particular stream high for all but a few streams. Based on additional work done opinion, most populations of HCP mussels are very small and will require under terms and conditions that NiSource implen streams that are known to harbor large or critical populations analyzed in the biological opinion. This should effectively add estimates of mussel populations might be lower than the actu (provided in Appendix L) address the issue of buried mussels detect cryptic species. Given that mussel populations at mose estimate, it is assumed that the impact to mussel resources w a dry-ditch or wet-ditch crossing (note no impacts are anticip

nitigation for take of mussels; specifically, a restored or augmented population of quires a five-year monitoring period prior to invasive species, the Service believes tand the severity and extent of the ne concern, however, that in the case of red or augmented population could be -long draught or high-energy flood). In ation as quickly as possible so that it can ircumstances of drought and flooding r than 50% of the augmented or restored t recent survey) are lost in a single or east that number of the HCP mussels uating circumstances (e.g., mussels of the Source will replace the lost mussels as nussel propagation. In addition, if a) it is nich the HCP mussels were introduced) ICP mussels would not result in viable ginal location of the mitigation is no cooperation with the Service will the target species.

ource to estimate mussel populations. It vailable habitat. We agree that average in crossing, but they are almost certainly one by the Service for the biological and often widely scattered. The Service ement pre-construction surveys for those ons of HCP mussels and non-HCP mussels iddress concerns in those few cases where ctual population. Survey protocols Is by using a methodology designed to nost crossings will be well below the s will not exceed the calculation for either cipated from a HDD crossing).

8 crayfish relocation to a pond is unacceptable	p. 14	TNC	HCP 7.6.4.1.1. p. 12	This is a last resort option prior to losing the crayfish. The cor actions if it is determined that relocating Nashville crayfish as greater than 50% mortality. Relocating Nashville crayfish to a with "suitable habitat" is the third in a hierarchy of three opt strategy, which would be employed as a temporary measure reasons to suggest that this unlikely option employed on a sn population would jeopardize the Nashville crayfish. It is wort been found to sustain themselves in ponds naturally (there is pond).
9 crayfish: monitoring schedule is too long; recommend 6 mos. To allow for additional population reestablishment if needed.	p. 14	TNC	HCP 7.6.4.1.2 p. 15	The comment addresses adaptive management related to Na part a misreading of the adaptive management section. The to riparian tree restoration (not crayfish numbers). The one determine if slab rock (placed in the stream bottom) remains minimum amount of time to determine whether or not the h seasonal changes in stream flow. We disagree that one year restoration monitoring to determine if Nashville crayfish have more quickly, we want to determine that the restored habita population itself is therefore likely to be stable.
0 Encourage mitigation through tributary restoration in addition to mainstem work	p. 13	TNC	HCP page numbers referenced in TNC comments.	Agree. This is already included in the MSHCP.
Mussel AMMs and Crayfish AMMs - multiple suggestions for AMMs to be improved to address sediment issues, contaminants, and addressing invasives	p. 12	TNC	HCP 6.2.4.3 p. 107 - 112	AMMs were discussed with applicant following public comme been made and the FWS has evaluated the adequacy of the A routine activities, particularly as they relate to sedimentation species. The FWS has determined that the measures meet is In the discussion regarding the sediment transport model, Ni management will be employed to determine the accuracy of conditions (width, flow rate, geographical location)." NiSource monitoring that would be performed to confirm the model, e first three open-cut crossings carried out on different stream requirement for the "first three open-cut crossings" is intend stream conditions. Thus, NiSource would monitor the first th width and have a high flow rate, the first three streams that a The intent is to gather enough data more accurately predict o our activities in various types of streams. The language in Ch be supplemented to reflect language this clarification.
2 Mussel Mitigation and Monitoring should extend 10 yrs	p. 11	TNC		Adequacy of the applicant's monitoring plan has been evalua measure both the effect of activities and the effectiveness of

comment concerns adaptive management a away from a construction site results in to a "Service approved", "artificial" pond, options in an adaptive management ure only. It is inaccurate for a number of a small part of the Nashville crayfish rorth noting that Nashville crayfish have e is at least one extant population in a

Nashville crayfish mitigation. This is in he 75% mentioned in the comment refers he year time period mentioned is to ins in place, which seems a reasonable e habitat restoration has weathered ear is too long to wait for the first post ave recolonized. Although they may do so bitat is stabilized and the recolonized

ment period. Some adjustments have e AMMs to protect the species during ion, release of contaminants, and invasive et issuance criteria and will be permitted. NiSource states that "Adaptive of the model under various stream ource then describes the testing and el, e.g. ..." This monitoring will occur for the ams for all mussels in the MSHCP...". The ended to apply to each of the different t three open-cut streams that are medium at are large and have a high flow rate, etc. ct downstream sedimentation effects from Ch 7.6.4.4.1 "Mussel Take Calculation" will

uated and determined to be sufficient to of the conservation and mitigation.

13 Mussels: surveys	avoid high density assemblages - require pre-project	p. 11	TNC	HCP App F p. 59-61 (example)	Where high-density assemblages are identified, such as in the measures are described in the MSHCP. Surveying all rivers is AMMs required for mussel species. The FWS has determined species and subsequent application of avoidance and minimiz the mussel populations and meets issuance criteria. Under te opinion, NiSource will be required to survey other high-densit
14 Mussels:	mitigation measures inadequate	p. 11	TNC	HCP 6.2.4.5 and 6.2.4.6 p. 116-125 (especially p. 123)	answered above
sediment	risk analysis needs to include events such as failure of t control measures, contaminant spills, drilling frac- l causing rock fractures that alter stream hydrology	p. 11	TNC	HCP 6.2.4.4 p. 112- 116	answered above
sensitive	inymussel has declined 90% (baseline) and is highly to sediment/contaminants. Adequacy of analysis and n should be validated	p. 3	Sierra Club - VA Chapter	HCP 6.2.7 p. 178 - 204	Almost all mussels are highly sensitive to sediment. The muss sediment impacts to mussels and mussel habitat. In part beca there are two additional requirements: 1) all JSM crossings m function particularly well in JSM streams, and 2) there is a tim impacts to reproducing populations.
	Management - monitoring of 3 projects to support sis is too low; 6-10 recommended	p 13	TNC	HCP 7.6.3	Three conforming positive results are adequate to conclude t and mitigations measures are consistent with what was antici whether adaptive management is required. Note that implen monitored for compliance throughout the duration of the per
	does not clearly indicate how it will first avoid then minimize, then mitigate	p. 2	Freshwater Mollusk Conservation Society	App. M, HCP 6.2.4.3 - Species AMMs; HCP 5.1.1.1 p. 2; HCP 5.2 p. 4-10	NiSource explicitly states that "To eliminate or reduce the like employ avoidance and minimization measures before underta p. 2. This process is described in detail in the MSHCP, Chapte mussels, NiSource has agreed in the HCP to avoid certain imp River and Duck River). In addition, as discussed in the respon- require measures in its biological opinion that NiSource avoid of particular significance to the population of MSHCP and nor memorialize these requirements in revisions to the MSHCP.
	landscape-scale approach; supports Green cture approach to mitigation		TNC; Audubon	HCP 5.2.1	Comment noted

the Duck River, specific avoidance is not necessary in light of the numerous red that the assumption of presence of the mization measures adequately protects r terms and conditions in the biological nsity mussel assemblages.

ussel AMMs focus heavily on minimizing ecause JSM is confined to small streams, must be by dry-ditch, which we expect to time-of-year restriction to minimize

e that the impacts and benefits of AMMs ticipated in the context of determining lemented AMMs will continue to be permit.

likelihood of take, NiSource will first ertaking mitigation measures." HCP 5.1.1.1 oter 5. Specifically with respect to mportant mussel streams (e.g., Tennessee onse to comment 7, the Service will oid impacts to specified streams that are non-MSHCP mussels. NiSource may

20	no surprises" limits ability to adapt to new management	p 4	Audubon	HCP 10.3 p3-42	The No Surprises rule states that, if additional conservation a
	challenges and increases risk of inferior species management				necessary to respond to changed circumstances, and such me
	for long permit periods				the permittee will be required to implement them. Chapter
					of changed circumstances resulting from climate change and
					implement if such changed circumstances occur. These provi
					management provisions, demonstrate that the 50-year perm NiSource has agreed to forgo No Surprises at year 25 to allow
					operating conservation program. At that time, NiSource will
					their operating conservation program without "assurances".
					concern regarding No Surprises and planning uncertainty has
					retaining the 50 year permit term.
21	Important Bird Areas - commentor provides considerable		Audubon		BMPs have been incorporated for migratory birds. The FWS a
	information about where NiSource pipelines intersect with IBAs	5			protection of Migratory Birds in March 2011.
	in different states and what birds are found within those IBAs;				
	concludes with statement that these IBAs should be flagged for				
	subsequent, tiered analyses				
22	GIS data - phase 1 survey results should be shared with state		Delaware		NiSource will be sharing information with states and will coor
	(6.2.2.3)				
23	Monitoring/compliance - concern that FWS remain involved in		Delaware		NiSource will be responsible for monitoring the implementation
	effectiveness and compliance monitoring				monitoring of the impact, the effects of their activities, the effects
					effectiveness of adaptive management that is undertaken to
					NiSource is responsible for monitoring the environmental res respond to changed circumstances. The FWS and Cooperatin
					to monitor compliance via annual reporting and monitoring.
24	Failure to disclose storage field locations violates Sect 10		EarthJustice*		does not violate issuance criteria; FWS is satisfied with the sc
	permit issuance criteria				information
25	ITP issuance violates ESA due to failure to meet HCP issuance		EarthJustice*		The evaluation and rationale to determine whether an applic
	criteria				documented in the Set of Findings. We concur that the USFV
					issuing a permit.
26	Lacks analysis of mandatory and non-mandatory AMMs,		EarthJustice*		Analysis of the effects of implementing the AMMs and mitiga
	mitigation, and adaptive management				completed in the B.O.

n and mitigation measures are deemed measures were provided for in the HCP, er 10 of the HCP includes robust discussion nd the additional measures NiSource will ovisions, along with the HCP's adaptive rmit duration is appropriate. In addition, ow for an additional review of the rill be required to make any changes to ". In this manner, the FWS believes that has been thoroughly addressed while

/S and FERC entered into an MOU for the

ordinate on state permitting.

ation of their MSHCP. This includes effectiveness of their mitigation, and the to respond to changes. In addition, response to measures implemented to ting Agencies will retain the responsibility g.

scale at which NiSource has disclosed

licant meets issuance criteria is FWS must make that finding prior to

gation measures in the MSHCP is

27 Oversight is Lacking. Request open coordination/review meetings into the future.	EarthJustice*	We believe NiSource has outlined adequate feedback mechan the MSHCP functions as desired. NiSource and the Service pla
		report(s) and address any isues with MSHCP implementation. NiSource and Service staff (and other stakeholders as needed needed basis during year one, annually until the fifth year of i five years thereafter, unless the parties agree to meet on a m provide a structured process to review AMMs, discuss adaptin needed, modify conservation strategies for individual species outcomes for that species. In order to capture all relevant dis implementation, NiSource will produce a summary report, wh Service, of all issues addressed and specific conclusions or agr summary report will provide another feedback mechanism for scheduled meeting. NiSource also plans to submit a Prior Notification Report to th information on planned projects, both O&M and new constru will identify Covered Activities that are anticipated to be cond details regarding the planned Covered Activity and location, a amount to be deposited in the mitigation fund.
28 Purpose and Need should not prioritize "facilitation of NiSource's activitiesover rigorous consultation"	EarthJustice*	Agree that prioritization of NiSource's needs is not an approp for the EIS. The purpose and need is to respond to the applic of issuing such a permit, and disclosing environmental consec and need can be found in the first chapter of the EIS.
29 Reduced scope is reasonable alternative and should be more fully explored. Suggest covered lands footprint of [R-O-W + compressor stations + known 9 actual storage fields].	EarthJustice*; Buckeye Forest Council	In the draft and final EIS, we acknowledge that the Service ha the scope of Covered Species and Covered Lands. However, e context of NEPA would not produce a meaningful comparisor list of species incorporated into NiSource's MSHCP is at the di Service can only issue an ITP for those species under its jurisd release NiSource from any obligations related to state-specifi Also, NiSource's activities that have the potential to impact fe included in the MSHCP and ITP are still subject to the required these species must be accomplished in some manner to rema

nanisms/coordination strategy to ensure plan to hold meetings to review annual on. Meetings would include both ed) and are proposed to occur on an as of implementation, and then at least every more frequent basis. These meetings will otive management strategies, and, as es in order to reach desired goals and discussion regarding MSHCP which requires concurrence by the agreements made at the meeting. This for use and reference at the next

o the Service annually to provide truction, for the upcoming year. NiSource onducted within an occupied site, with a, as well as anticipated take and the

opriate statement of purpose and need lication for a permit, evaluate the effects equences. A full description of purpose

has the authority to both limit or expand r, evaluating these permutations in the son of environmental consequences. The discretion of NiSource. However, the asdiction. Receipt of an ITP would not cific species regulations or requirements. c federally listed species not covered by or rements of the ESA, and conservation of main in compliance with ESA.

30 Geographic Scope of Covered Lands is Too Large		EarthJustice*; Friends of Blackwater**; members of Earth Justice, End Species Coalition, and Sierra Club		We believe the methodology NiSource utilized for establishin reasonable and sound. The applicant's work is concentrated thus the proposed area to be covered by the ITP and associat corridor centered upon a majority of NiSource's existing syste wide corridor will accommodate approximately 95% of the p capital expansion activities NiSource carries out annually. Th boundaries for select storage fields were chosen to provide r realignment of existing facilities to accommodate future forc public road construction/maintenance projects) and the mini while aligning future replacement and expansion projects. A with the covered activities will be far less than the covered la MSHCP). Further, NiSource has agreed to restrict or complet Activities in certain portions of the one-mile wide corridor wh impact sensitive species.
	p 2 Freshwater Mollusk	EarthJustice*; Friends of Blackwater**; TNC; Audubon; Buckeye Forest Council; Freshwater Mollusk Conservation Society; members of Earth Justice, End Species Coalition, and Sierra Club	HCP 1.2.1; DEIS -	We believe the 50-year duration for the permit that NiSource adaptive management framework and assurances in the MSH provide that the duration of an incidental take permit must b assurances to the permittee to commit funding necessary for including conservation activities and land use restrictions (50 to public concern over the permit duration, NiSource agreed year 25 to "ensure that the implementation of the MSHCP is listed species". If needed, the MSHCP will be amended at that commitments and/or needed restrictions.
32 DEIS and MSHCP fail to include flying squirrel		Friends of Blackwater**	DEIS Appendix F	DEIS did include Flying Squirrel as part of the Biological Asses be analyzed in the B.O. along with other non-HCP species; Nii include in its MSHCP per FWS policy. At the time that the FEI longer protected under the ESA (delisted). However, NiSource to protect the species regardless of status under ESA.
33 Scientific information would become stale; uncertainty		Friends of Blackwater**		The MSHCP includes a strong monitoring and adaptive mana and the FWS to recognize when information becomes obsole relative to species.
34 Commentor requests assurance that the approach with NiSource will not affect other available approaches to compliance (i.e., informal consultation, categorical exclusion)		Spectra Energy		Developing a habitat conservation plan and applying for an ir of the ESA are strictly voluntary. NiSource's decision to seek affects whether other compliance mechanisms may apply to
35 Commentor voices concern that AMMs and conservation measures adopted as a result of the MSHCP not be presumed to automatically apply to other situations		Spectra Energy		USFWS does not intend to automatically apply any AMMs or NiSource's MSHCP to the ESA compliance process for any oth

hing their Covered Land footprint is ted along its existing pipeline network, and ciated MSHCP includes a one-mile wide ystem. According to NiSource, a one-milee projects included in routine O&M and Thus, the one-mile corridor and county e needed flexibility for both the orced elocations (typically resulting from ninimization of environmental impacts Actual surface disturbance associated d lands in their entirety (see Table 2.1 in letely avoid implementing Covered where such activities could potentially

rce applied for is reasonable in light of the ISHCP. Regulations issued by the Service it be sufficient to provide adequate for the activities authorized by the permit, 50 C.F.R. § 17.22). However, in response ed to waive its No Surprises Assurances at P is consistent with conservation needs of that time to incorporate any additional

sessment, Appendix F. Flying squirrel will NiSource may choose which species to FEIS is published, the Flying Squirrel is no urce has agreed to conservation measures

nagement component to enable NiSource olete and/or respond to new information

n incidental take permit under Section 10 ek an incidental take permit in no way to other parties' proposed actions.

or conservation measures identified in other proposed action.

36 Concern expressed regarding how agencies may rely on the NEPA to streamline ESA compliance		Spectra Energy		The MSHCP and associated biological opinion are intended to compliance with respect to the MSHCP species and the cover
NEFA to streamine LSA compliance				permit, subject to the incidental take permit's take limits and
				consultation requirements. Cooperating agencies will be able
				future permitting such as Section 404 (Clean Water Act) or Sp
				future NEPA is included in the FEIS, Chapter 1, Section 1.6.
37 Is IPaC available to the public?		Spectra Energy		Yes. IPaC is a web-based project planning tool that is publicly
				portion or phase of IPAC that is made available for use by an
				be made available to anyone else within those sectors as lon
				granted. The exception will be any modules developed speci
				proprietary in nature.
38 Concerned about adequacy of survey protocols; want		TNC		See response to comment #2
opportunity to comment when Appendix L is complete				
39 Data sharing between NiSource and FWS needs to be agreed		TNC		Agreed. NiSource will be required to share all necessary data
prior to issuing any ITP				evaluate implementation.
40 Disagree with assertion that habitat restoration mitigates for		TNC		Habitat restoration is one way to mitigate for species loss. W
loss in reproductive success				augmentation, and reintroduction to be mitigative measures
				suggested that restoration and maintenance of habitat can b
				colonies (Callahan 1993). While not an exact science, we bel
				adequate to compensate for potential impacts of take, and c
				goals and objectives for the species.
41 It is unclear how take ratios were calculated and why certain		TNC		In response to this comment, the Service requested from NiS
(mitigation) ratios were deemed adequate to compensate for				additional detail to Section 6.2 of their MSHCP. Take calcula
the impact of the take				impacts. Mitigation is based on best available information, pa
				NiSource.
42 Mitigation ratios (referred to as take ratios in TNC comments)		TNC		see comment 41
need to reflect probability of success based on known				
likelihood of proposed restoration action to achieve				
conservation goals				Armond Durau ant to the Compise Sine Deint Deline, menitori
43 Monitoring should continue through life of permit		TNC		Agreed. Pursuant to the Service's Five-Point Policy, monitorinand effectiveness of the conservation program.
44 Requests more information about advantages and	p.1	EPA		In response to this and other comments on permit duration,
disadvantages of 50-year timeframe due to uncertainty of	p.1			and rationale in Section 2.3.2.1 of the EIS.
changes to human environment over time				
15 responsibilities for determining AMM effectiveness need to be	p. 14	TNC	HCP 7.6.3 p. 10	The responsibilities for determining AMM effectiveness rests
clear - lies with NiSource				example of a local Service Field Office as was given as a credi
				would use in its evaluation of AMMs.
46 Action violates Section 7; FWS lacks information needed to	p. 18	EarthJustice*		The FWS is engaged in Section 7 consultation on these action
adequately address responsibility under Section 7.				federal agency responsibilities under Section of the ESA are n
47 Public has not been able to participate in a meaningful way;		Friends of		Please see sections 1.5.2.3 and 2.3.2 in the EIS for a description
		Blackwater**		Section 7 consultation documents will be available to the pub
commentor wants to understand S7 conditions				
commentor wants to understand S7 conditions				completed; we anticipate any additional requirements reached

to serve as the mechanism for ESA vered activities through the life of the nd the standard regulatory reinitiation of ble to rely on the Biological Opinion for Special Use Permitting. A discussion of

cly available on the FWS web site. Any any private sector or public entity will also ong as the use is similar to what has been ecific to business operations which are

ata that the FWS may use or need to

We also considered captive propagation, es. For Indiana bats, several authors have be beneficial to Indiana bat maternal elieve NiSource has outlined mitigation contribute toward MSHCP biological

ViSource that they provide clarity and ulations however are based on habitat past practices, and negotiations with

oring will be required to determine effects

n, the Service provided additional details

sts with NiSource, not the USFWS. The edible source of information that NiSource

ons. That process will ensure that all e met.

otion of the ESA Section 7 process. The ublic once the consultation process is ched during consultation to be

cessary and appropriate.

48	NiSource (and subsidiaries) fail to meet general permit issuance criteria	p. 3	EarthJustice*	this determination	It is the responsibility of the FWS to assure that an applicant in 50 CFR 13. Rationale will be documented in the Statement between issuance of the FEIS and issuance of the ROD. It is the violations cited in the commenter's letter are not violation Wildlife permits. 50 CFR 13.21 (b)(1) clarifies that the violation activity for which the application is filed." Therefore, an appl should relate to wildlife law germane to endangered species
49	NEPA Interagency MOU or Implementing Agreement is not available		EarthJustice*; Spectra Energy		The Service and Cooperating Agencies decided not to develop implementation can be found in Chapter 1 of the EIS in Section
50		p. 3	Friends of Blackwater**		Regardless of the length of an ITP, the Forest Service would c applications according to Forest Service Manual and Handboo applications submitted to the Forest Service by NiSource (i.e. applications) would undergo project-level NEPA analysis. Con streamlined if any HCP-covered species were present and if t incorporated all AMMs and mitigation measures required by required more restrictive Forest-wide direction related to pip streamlined consultation would not occur. Instead, formal co would occur between the two agencies.
51	With respect to NiSource and designated agents - explain why - commentor asks whether an HCP (ITP) may cover joint ventures and third parties		Spectra Energy		The application for the issuance of an ITP for the MSHCP inclupipelines for which the application was submitted. Any issua processing of the application would be on behalf of those entincidental take permits to include parties other than the appl (and analyzed) as part of the conservation program.
52	Recommends additional information on what types of new construction impacts and where they may occur, plus additional evaluation of impacts	p.1	EPA	FEIS Chapter 4	The Service looked at all new construction impacts carefully i tables. Activities were deconstructed and analyzed for each l
53	Cumulative Impacts and effect on various Virginia locations should be analyzed.	p.4	Sierra Club - VA Chapter		Site-specific analysis and planning will continue to occur over discussed additional cumulative impacts in Chapter 5 of the F continue to rely on site-specific details to be evaluated as act
54	HCP fails to adequately address threats to Ibat (cumulative) with respect to WNS; comment cites declining numbers, inadequacy of AMMs to protect and use of old information such as 2007 draft Rec Plan and 2009 status report as the basis for the threats analysis.	p. 21-25	EarthJustice*	HCP 6.2.1 p. 7-59	Commenter is correct that 2009 population status report use only estimated range-wide population every 2 years and the early 2012. The discussion of the status of WNS was updated surface, the 2011 numbers have not indicated expanded mor what was represented in the 2009 numbers used in the HCP. now confirmed in IN, KY, OH, MO, and most of the rest of the the process of implementing new range-wide Indiana bat sun concerns regarding the locations of bats while in summer hak guidance will be fully implemented by the 2014 survey seaso approved FWS protocols for bat surveys when they conduct s

nt for an ITP meets permit issuance criteria ent of Findings, which will be completed s the preliminary position of the FWS that tions of wildlife law or Federal Fish and ation or penalty must "relate to the oplication for take of endangered species es or fish and wildlife permitting.

lop a NEPA MOU. Details on future NEPA tion 1.6.2.

d continue to process NiSource special use book direction. In other words, special use e., renewals of existing permits or new consultation with the USFWS could be f the proposed NiSource project by the MSHCP/ITP. If a Forest Plan bipelines and any HCP-covered species, a consultation on the proposed project

ncluded a list of NiSource affiliated uance of a permit resulting from the entities named. The FWS does not issue oplicant unless that is specifically included

ly in matrices and exposure-response th HCP species.

ver the life of the MSHCP. The FWS e FEIS; however, the implementation will activities are implemented.

used 2009 numbers; however, the Service ne 2011 numbers where only finalized in ted in Chapter 10 of the MSHCP. On the nortality of Indiana bats from WNS beyond CP. The disease however has spread and is the species range. The FWS is currently in summer survey guidelines to address the nabitat. It is anticipated that the new son. NiSource will be required to follow ct such studies.

55	55 Ibat - concerns over options for BMPs, location (presence) information presented, lack of survey data, lack of protocols for survey, underestimation of the take that will occur	p. 8-9	TNC	MSHCP Table 6.4- 1, p 271,	In relation to the commenter's BMP comments, the suggestid BMPs are better suited for inclusion in the mitigation section habitat improvements as suggested are a site specific decisio colony within the known home range where the mitigation is improvement mentioned by the commenter (and many more implement during mitigation. The commenter also suggested avoid and minimize effects. They suggested that the noise Al protective enough. The affects analysis considered all potent determined overall that noise created by all NiSource equipm
					level that will cause adverse impacts to Indiana bats. This AM when they can but not critical to avoid or minimize take. Con an AMM related to light pollution and suggested that an AMI used as well as requiring that light only be directed downwar issue, light pollution was considered during the analysis of ad largely because NiSource rarely would work at night, that ligh affect Indiana bats if they were present.
56	Ibat - take calculation underestimates probable number of bats and maternity colonies affected by the pipeline	p. 8-9	TNC	MSHCP pp 21, 36, 37	The FWS provided extensive technical assistance relative to t the modeling that went into this determination. The take cal number of maternity colonies based on habitat mapping and in or near the covered lands were predicted based on this mo was calculated was the number that would be expected if all a maternity colony. Biologically, that is the maximum potent
57	Ibat AMMs - commentor suggests changes to AMMs for spoil disposal, blasting, tree cutting; also mitigation success monitoring	p. 15-16	TNC	HCP page numbers referenced in TNC comments.	Adaptive management will allow for changes to assure succe
58	provide citation for definition of unoccupied habitat and swarming habitat	p. 9	TNC		The MSHCP defines how NiSource will be considering this. N definitions of habitat use in its MSHCP, Chapter 6, beginning species is described.
59	Support the approach as a creative, collaborative, and cost- effective approach to conservation	p. 1	American Gas Association	None.	Thank you for your comment.
60	Covered activities include an estimated 3250 mi of new construction which must receive full environmental review under the law. Recommend separating O&M and new construction due to the nature of the disturbance associated with each.	p. 4-6	Audubon	HCP 2.3, 2.4	The ITP authorizes the take of listed species. It does not auth activities. Thus, the NEPA analysis for the ITP focuses on the implementation of the MSHCP. As pipeline expansion and ne they will be subject to project-specific NEPA analyses. Never potential impacts to listed species for every aspect of the pot Separately permitting the construction covered activities from covered activities would not make a material difference in eit
61	Delaware Natural Heritage program was consulted - not listed in MSHCP (6.1.2)	p. 2	Delaware	HCP 6.1.2	Thank you for your comment. Delaware will be added to the

tion to include habitat improvement on as opposed to AMMs. The use of ion dependent upon the needs of the is planned. All of the options for habitat ore) are available to NiSource to ted that additional AMMs be included to AMM as defined (AMM #20) is not ential adverse affects and it was oment and facilities is below the decibel AMM was left in as a good thing to do opmmenter also recommended including VIM be included to limit when it could be ard onto worksite. Similarly to the noise adverse affects and it was determined, ght pollution would not likely adversely

b the take calculation for Indiana bat and calculation took into account the probable and habitat suitability. Viable home ranges modeling effort and the take number that all suitable habitat was occupied and was ntial and not an underestimate.

cess and minimization of effects.

NiSource has described habitat types and g on page 9 where the biology of the

thorize any of the underlying covered he impacts of the authorized take and the new construction projects are proposed, ertheless, the MSHCP considers the otential new construction or expansion. From the operation and maintenance either the MSHCP or the NEPA analysis.

ne list in the MSHCP.

	Seasonal Restrictions in mussel habitat are non-mandatory, but should be mandatory; time-of-year restrictions should be species-specific (work with states) and mandatory	FMCS p 3	EarthJustice*; Freshwater Mollusk Conservation Society	HCP 6.2.4.1 among others, App. M	Time-of-year restrictions were considered for all mussel spec with the exception of the James spinymussel, there was disag approprite period and whether or not time-of-year restriction effective. It was determined to address impacts for most spe
	Decision not ripe under NEPA: NiSource fails to disclose details on its future plans; should be able to do so at least for next 5- 10 years. Should be able to disclose information on pipeline replacement planned.	p. 4-5	Friends of Blackwater**	HCP 2.3.3, App. A	USFWS is not being asked to approve, and has no approval at covered activities, including capital improvements or expansi incidental take permit for a suite of specifically identified cov permit. That is the proposed agency decision that is the subj
	Mitigation is inadequate; fails to account for loss if mitigation measures are not implemented by the time of impact or take years to achieve goals. Concern whether this leads to full mitigation.	p. 2, 5-6	TNC		The take ratios in the MSHCP are already designed to take int In some instances, these ratios are based upon the best profe biologists and other species experts. The mitigation monitor that the measures have achieved their objective of compensa management will be required to assure such compensation h
65	Define the covered activities referred to as "safety-related repairs, replacements, and maintenance" within the MSHCP		Spectra Energy		Safety-related repairs, replacements, and maintenance incluc or are required by the NiSource Pipeline Integrity Manageme etc.).
	Explain relationship between incidental take calculated and implementation of non-mandatory AMMs		Spectra Energy	HCP 5.2.1	The USFWS can issue an ITP only if it determines that the app impact of the taking to the maximum extent practicable. Wh practicable as defined in the MSHCP, they need to be implem the USFWS cannot determine at this time whether implemen be practicable for any given covered activity, the amount of in that none will be implemented.
	Has NiSource provided estimate of cost for monitoring and compliance over the permit term?		Spectra Energy	Table 8.2.1-1	Yes, see Table 8.2.1-1 of the MSHCP.
68	MSHCP does not provide sufficient detail on the role of economic basis for choosing between AMMs		Spectra Energy	HCP 5.1 and 5.2	See Section 5.2.1 of the MSHCP which provides a detailed deal implementation of the non-mandatory AMMs, including the i
	AMMs should be prioritized in order of intended use - can make a difference as to species impact	p 5	TNC	HCP 6.2.X (multiple).3	Because all mandatory AMMs will be implemented, a priority typically been ordered to facilitate compliance.
	avoidance measures are lacking for species OTHER THAN CMS and LBB	p 4	TNC	HCP 5.2 p. 4 -10	When data describing core areas were available, they were u (i.e., Lousiana Black Bear, several mussel and plant species, an MSHCP also includes measures to avoid impacts to designate account for other high-value areas, such as P1 and P2 hiberna
	bank erosion should be measured quantitatively to determine sediment load	p. 14-15	TNC		This comment addresses adaptive management related to M applicant to visually inspect pipeline crossings annually for sig Quantitative assessments of bank erosion are likely not pract MSHCP approach addresses all crossings and has a low thresh inspection.

ecies analyzed in the MSHCP. However, sagreement among experts concerning the ions that weren't year round would be species using other mechanisms.

authority over, any of NiSource's future nsions. Rather, NiSource has requested an overed activities over the life of the ibject of this NEPA analysis.

into account the concerns raised by TNC. ofessional judgment from USFWS oring required in the MSHCP will confirm nsating for the take or adaptive n has been assured.

ude any covered activities that originate nent Plan (e.g., replacements, upgrades,

applicant will minimize and mitigate the When the non-mandatory AMMs are emented to meet this standard. Because entation of the non-mandatory AMMs will of incidental take anticipated must assume

decision-making process for the erole of economic considerations.

ity order is not needed. AMMs have

used to help delineate avoidance areas and Cheat Mountain salamander). The ted critical habitat. AMM restrictions do macula for the Indiana bat.

Mussel AMM # 8, which requires the signs of erosion or destabilization. acticable for all stream crossings. The eshold for action associated with visual

baseline surveys and studies to document indirect effects should begin at the time permit is issued (not 5 years out)	p. 14	TNC	HCP 7.4.1 p. 6	The timing of NiSource's commitment to contribute funds to colonies to habitat removal activities is designed to take adva to enhance what is learned about indirect effects from linear in the MSHCP designed to evaluate indirect impacts on Indian
commentor finds problem with "effectiveness monitoring for AMMs that appear to be effective (for some time) should no longer be required"; monitoring success or effectiveness of an AMM for only 3 times is inadequate	FMCS p 2	TNC; Freshwater Mollusk Conservation Society	HCP 7.6.3 p. 10	Three conforming positive results are adequate to conclude t and mitigations measures are consistent with what was antic whether adaptive management is required. Note that impler monitored for compliance throughout the permit duration.
Conservation Goals for species should provide net positive impact and those goals should be the basis for take ratios, mitigation, and monitoring	p. 4	TNC	HCP 5.1.1 p. 2, 6.2.X (multiple).2	USFWS believes that implementation of the MSHCP will have However, as the TNC points out, USFWS cannot require that recovery and the ESA does not require an HCP result in a net
inconsistent - coffer dam distances and measurement of sediment loads	p. 14	TNC	HCP 7.6.4.1.1 p. 13 14	TNC has misinterpreted the upstream and downstream distant the hypothesis versus for sampling to confirm the hypothesis Therefore, the area identified as potentially causing take of the 10 feet upstream from the dam, the 75 feet of the dam itself or 185 feet. In the paragraph following the hypothesis, this of 175 feet instead of 185 feet. This error will be corrected in the area is to determine the baseline. The timeframe for measur adequate to ensure that no unexpected impacts have occure
Monitoring and Adaptive Management provisions should be reviewed (annually) by oversight committee; committee to operate as a FAC	p. 6	TNC	НСР 7.3 р. 2-4	An additional layer of oversight is not necessary to ensure provide annual reports detailing compliance and other than locational information regarding listed species, cardesired.
Need to address temporal losses in take ratios and mitigation; apply discounting to address temporal loss when mitigation not complete at time of impact.	l.	TNC	multiple locations within the HCP	The take ratios in the MSHCP are already designed to take inf In some instances, these ratios are based upon the best profe biologists and other species experts. The mitigation monitor that the measures have achieved their objective of compensa extent practicable.
Recommend inclusion of proposed and candidate species; all listed, proposed, and candidate species should be covered	FMCS p 2	TNC; Freshwater Mollusk Conservation Society	HCP 4.2 p. 1-3, Biological Opinion and Biological Assessment	The choice of which species to cover in an HCP is left to the a process is described in in Section 4.2 of the MSHCP. The othe species were assessed in USFWS biological assessment and b including other species in the MSHCP at a later date is provid
Recommend inclusion of small-footed bat, northern long-eared bat, and virginia northern flying squirrel	p. 7	TNC	HCP 4.2 p. 1-3, Biological Opinion and Biological Assessment	The choice of which species to cover in an HCP is left to the a process is described in in Section 4.2 of the MSHCP. The othe species were assessed in USFWS biological assessment and b including other species in the MSHCP at a later date is provid
recommend NiSource support propagation/augmentation efforts	FMCS p. 2-3	TNC; Freshwater Mollusk Conservation Society	HCP 6.2.X (multiple).6	The MSHCP currently does not propose to use propogation a strategy for any mussel species, other than the Northern riffl surrounding their success. The science available for Northern enough to permit its use as mitigation.

to a study of the response of maternity dvantage of potentially larger studies and ear projects. This is not the only measure liana bats.

le that the impacts and benefits of AMMs iticipated in the context of determining plemented AMMs will continue to be

ave net positive impacts on the species. at NiSource be responsible for species net benefit.

stances identified for sediment impacts in esis. The cofferdam itself is 75 feet. If the Nashville crayfish is the sum of the elf, and 100 feet downstream of the dam, is distance was inadvertently identified as in the final MSHCP. The 200-foot sampling suring sediment load is more than ured to the species.

proper implementation of the HCP. and progress with its HCP. These reports, can be made available to the public if

into account the concerns raised by TNC. ofessional judgment from USFWS coring required in the MSHCP will confirm nsating for the take to the maximum

e applicant. NiSource's species-inclusion ther listed, proposed, and candidate d biological opinion. A process for vided in Section 9.3 of the MSHCP.

e applicant. NiSource's species-inclusion ther listed, proposed, and candidate d biological opinion. A process for vided in Section 9.3 of the MSHCP.

n and augmentation as a mitigation iffleshell, due to the uncertainty ern riffleshell propogation is advanced

	Request removal of references to TNC involvement in development of mitigation opportunities (HCP)	р. З	TNC	HCP 1.5.2 p. 20	Thank you for your comment. NiSource will remove the TNC
82	seasonal restrictions in mussel habitat are non-mandatory, but should be mandatory	p.25	EarthJustice*	others, App. M	Time-of-year restrictions were considered for all mussel spec with the exception of the James spinymussel, there was little restrictions.
	Stream bank stabilization - should be monitored annually where new disturbances occur	p. 14	TNC		The intent of this adaptive management requirement is to demonitoring standard is effective in discovering potential future Monitoring newly disturbed streambanks for adequate reveg completed and will continue to be completed, on an annual b
	Species list is inadequate - request additional consideration of various listed and state species in Virginia	p. 1-2	Sierra Club - VA Chapter	and Biological	The choice of which species to cover in an HCP is left to the a process is described in in Section 4.2 of the MSHCP. The othe species were assessed in USFWS biological assessment and bi including other species in the MSHCP at a later date is provide
	Concerned about avoidance measures; need to be true avoidance, not just minimization	p. 4	TNC		The applicant for this type of permit is responsible to provide effects, and to mitigate for effects that cannot be avoided. R comment #70 above. See 50 CFR 17.22 (b)(1) for more detail a conservation plan.
	Advise that data sharing agreements between NiSource and the Service be updated before HCP implementation	p. 15	TNC		NiSource and the Service will update the data sharing agreem data flow between the parties.
	BT AMM - time of year restriction. Recommend change to October 31	p. 2	Delaware	multiple AMMs	NiSource has agreed to adjust the AMMs to accommodate th coordinate with FWS Field Offices each year to ensure that ar exceed that date. In cases where active season may exceed (accordingly.
	Bog Turtle Surveys and Habitat Assessments - concern that these will be conducted by trained NiSource personnel not on the approved bog turtle surveyor list for the state. Commentor suggests that surveyors must be on list of qualified surveyors for the state.	p. 2	Delaware	69	We agree that anyone at NiSource would need to have the sate else qualified to conduct Phase 1 surveys but we disagree that turtle survey list for that state. State and Service agency personduct bog turtle work are similarly qualified but not on a list project sponsors to conduct surveys. In other words, NiSource conduct surveys for other project sponsors.
	Bog Turtle GIS information - desire to receive survey information.	p. 2	Delaware	HCP 6.2.2.3 p. 67	NiSource agrees that open communication between itself and information is important. NiSource will forward any relevant it develops to Delaware as part of its annual report.
90	BT AMM #2 - comments on "scenarios 1, 2 & 3"	р. З	Delaware	HCP 6.2.2.3 p. 69	The specifications in scenarios 1 and 2 represent the latest av NiSource agrees with Delaware's comments on scenario 3 an
	BT AMMs - concern with procedures to handle frac-outs when conducting HDD under BT wetlands	р. З	Delaware		NiSource agrees with Delaware's comments and notes that a prepared as part of the planning for an HDD. NiSource will ac
	Rather than attempting to restore or make bog turtle habitat, NiSource should acquire known bog turtle habitat.	p. 2	Rosenbaum		Commentor has misunderstood the intent of NiSource's bog NiSource will protect existing bog turtle sites for mitigation. to require documentation of bog turtle presence for potentia
	Commentor does not agree with NiSource's assessment of impact of take.	p. 2	Rosenbaum	HCP 6.2.2.5	The Service will independently review the impact of take, and Biological Opinion.

NC reference from this part of the HCP.

becies analyzed in the MSHCP. However, tle scientific evidence to support such

determine whether the one-year iture stream bank erosion concerns. vegetation and restoration is already al basis per NiSource's ECS.

e applicant. NiSource's species-inclusion ther listed, proposed, and candidate d biological opinion. A process for vided in Section 9.3 of the MSHCP.

ide for measures to avoid and minimize Response to this comment is similar to tailed information on the requirements of

ements as necessary to ensure efficient

e the October 31 restriction and to t anticipated active season does not ed Oct. 31, NiSource will adjust AMM

e same level of experience as someone that they need to be on the Phase 1 bog ersonnel or university researchers that a list of consultants that may be hired by urce staff are not consultants available to

and the states regarding survey ant endangered species survey information

avoidance standards from the USFWS. and has modified its AMMs accordingly.

a frack out continguency plan is always add this requirement into AMM #25.

og turtle mitigation proposal. In fact, n. The standard has been further clarified ntial mitigation sites.

and fully analyze the effects in its

94	Commentor does not agree with NiSource's assessment of genetic impacts and implications.	p. 2-3	Rosenbaum	HCP 6.2.2.5	It is not anticipated that 23 populations will be lost as a resul
95	Commentor believes that a site by site, case by case review of NiSource's activities is required.	p. 4	Rosenbaum	HCP Chapter 1	NiSource disagrees that a site by site review is necessary and landscape level review of its activities will result in better spe goals of the HCP is to proactively identify avoidance and mini the long run.
96	Bog Turtle concerns: need BMPs to conserve BT	p. 10	TNC	HCP 6.2.2.1 p 61	Thank you for your comment. BMPs for bog turtle have alread
97	Bog Turtle concerns: disagree with assertion that BT are not likely to hibernate over pipeline	p. 10	TNC	HCP 6.2.2.1 p 61	The HCP acknowledges that bog turtles may hibernate on exi designed to avoid and minimize effects to them.
98	Bog Turtle concerns: HCP does not provide information on how bog turtle sites will be avoided.	p. 10	TNC	HCP 6.2.2.1 p 61	We disagree with the comment. AMM # 25 and 26 detail thi
99	Bog Turtle concerns: ATV use statement not supported	p. 10	TNC	HCP 6.2.2.1 p 61	Thank you for your comment. However, NiSource does not huse on its ROWs is affecting bog turtle habitat.
	Bog Turtle concerns: urge extreme caution when discussing hydrology alteration and impacts to or near wetlands.	р. 10	TNC	HCP 6.2.2.1 p 61	Thank you for your comment.
101	Bog Turtle concerns: in some wetlands utility ROWs provide the only suitable bog turtle nesting habitat.	p. 10	TNC	HCP 6.2.2.1 p 62	Thank you for your comment. The HCP acknowledges that be the BMPs have been designed to avoid and minimize effects
102	Bog Turtle concerns: hydrology alteration can impact bog turtles.	p. 10	TNC	HCP 6.2.2.1 p 62	Thank you for your comment.
103	Bog Turtle concerns: driving vehicles adjacent to wetlands may still effect bog turtles.	p. 10	TNC	HCP 6.2.2.1 p 63	We agree with your comment. This is why the AMMs apply within 300' of the activity.
104	Bog Turtle concerns: question whether moving bog turtles out of wetland is appropriate strategy.	р. 10	TNC	HCP 6.2.2.1 p 63- 64	TNC has misunderstood the AMM. The bog turtles will only be wetland. The work area will then be fenced off to prevent re
105	Bog Turtle concerns: refers NiSource to FWS BO on chemical use near bog turtles.	p. 11	TNC	HCP 6.2.2.1 p 64	NiSource has already referenced the BO in AMM #8.
106	BT AMMs - suggestions for rewording BT AMMs.	p. 15	TNC	HCP 7.6.4.2.1 and .2 p 16-18	Thank you for your comment. The wording NiSource has for
107	Bog Turtle concerns: encourages NiSource to add an objective to preserve potential bog turtle habitats.	p. 11	TNC	HCP 6.2.2.2 p 65	Preserving potential habitat (as opposed to documented hab
108	Bog Turtle concerns: step 2a, first bullet should include potential habitat.	p. 11	TNC	HCP 6.2.2.3 p 65	NiSource does not understand the comment. Step 2a require turtles were found during the survey.
109	Concerned with potential impact of projected loss of BT	p. 11	TNC		NiSource respectfully disagrees with TNC. Regardless, the Se impact of take, fully analyze the effects and publish the resul
110	Trigger to implement Adaptive Management in karst ecosystem is inadequate	p. 18	TNC	HCP 7.6.4.6.1 p 29- 30	Monitoring construction activities over a five year period is a features are destabilized by these activities.
111	Use proper protocols for chemical use within or near BT habitat (see recovery plan)	p. 11	TNC		We believe the protocols developed for NiSource are fully pr

ult of NiSource activities.

nd, in fact, believes that a holistic, species conservation. One of the primary inimization that will benefit the species in

ready been incorporated into the HCP.

existing ROWs and the BMPs have been

this avoidance process.

t have any information that suggests ATV

bog turtles may use existing ROWs and ts to them.

y when wetlands (even if off ROW) are

y be moved out of the work area, not the re-entry into the area by bog turtles.

or these AMMs is sufficient.

abitat) is not a priority for our HCP.

ires NiSource to document that no bog

Service will independently review the sults in its Biological Opinion.

adequate to determine whether karst

protective of bog turtles and their

117	Dog Turtle sites (identifying infe) should be removed from	n 1	Nouclarson	Croon	Actual bag turtle sites are not identified in the MCUCP. We have
112	Bog Turtle sites (identifying info) should be removed from record	p. 1	New Jersey	Green Infrastructure	Actual bog turtle sites are not identified in the MSHCP. We be Conservation Fund's Green Infrastructure mitigation plan pre request that TCF remove the bog turtle site description from
113	Bog Turtle mitigation is not comprehensive	p.1	New Jersey	Mitigation sites are not listed in the HCP.	NiSource will welcome any information the NJDEP has regard The information contained in TCF's mitigation plan was not n thoughts on potential mitgiation sites for species.
114	Dispersal barrier criteria for bog turtles may unfairly result in low suitability scores in NJ.	p.1	New Jersey	This reference is to the decision tree criteria in TCF's GI model.	NiSource will welcome any additional comments the NJDEP h
	Green Infrastructure should be updated with regularity to accommodate changes in land use, species ranges, and scientific information over time		Audubon		Agree. Thank you for your comment.
116	Proposal constrains decisionmaking flexibility		Audubon		NiSource submitted to the USFWS an application for an Incid required MSHCP. The USFWS decision is to decide whether ITP with a 50-year duration or issue an ITP with a 10-year dur hard stop at 25 years, which was agreed to by NiSource in lat committed to a voluntary removal of No Surprises assurance evaluation of the conservation program and apply any new c necessary for the continued protection of covered species. T evaluation, in concert with adaptive management strategies circumstances, gives the Service sufficient confidence that Ni compromise the recovery of covered species.
117	Mitigation (front-loaded) questioned as to sufficiency and whether the NEPA analysis has fulfilled "hard look" std		Buckeye Forest Council		We believe having mitigation on the ground and working bef occur is usually the best course of action (i.e., front-loading). present challenges when it comes to selecting locations and
118	Adequate Funding not ensured by NiSource; lack of discussion of this in the EIS violates NEPA	p. 18	EarthJustice*		We disagree. Funding assurances is a required component of criteria in the ESA. However, we will adress funding in a bit r
119	Alternatives Section of DEIS fails to comply with ESA Sect.10: with respect to alternatives, max extent practicable, and minimizing take through reduced scope or duration		EarthJustice*		If the applicant provides biologically based minimization mea fully commensurate with the level of impacts, it has minimize extent practicable. It is only where certain constraints may p mitigation that the "practicability" issue needs to be address
120	Analysis of Alternative is insufficient. Does not consider the value of a flexible response and public participation in assessing permit duration.		EarthJustice*		Alternative 3 does recognize input received from the public of duration.
121	Analysis of Direct Impacts is inadequate		EarthJustice*		We believe the analysis in the EIS of direct impacts is sufficie covers the direct, indirect, and cumulative effects (i.e., impac the mitigation and minimization measures proposed from im
122	EIS and HCP fail to address cumulative impacts to Ibat due to wind energy		EarthJustice*		Wind energy is a foreseeable activity in the Covered Land and impacts chapter. Thank you for your comment

e believe the NJDEP is referencing The prepared for the states. NiSource will om that document.

arding potential bog turtle mitigation sites. t meant to be final, rather merely the intial

P has regarding the decision tree criteria.

cidental Take Permit, including the er to deny a permit to NiSource, issue an duration. The 50-year permit will include a late 2012. At that time, NiSource has ices in order to conduct a comprehensive v conditions that the Service deems . That commitment to comprehensive es and response to changed NiSource activities will not constrain or

before the impacts associated with take g). However, white-nose syndrome may ad timing of mitigation.

of an HCP and one of the permit issuance it more detail as it pertains to mitigation.

neasures and mitigation measures that are nized and mitigated to the maximum y preclude full minimization or full essed more thoroughly.

during scoping on the issue of permit

cient. The scope of the analysis in the EIS pacts) of the proposed incidental take and implementation of the HCP.

and is analyzed in the cummulative

123 EIS fails to address how NiSource (and subsidiaries) meet permit issuance criteria	EarthJustice*	The USFWS will make a determination on how NiSource eithe
124 EIS fails to show that the taking "will not appreciably reduce the likelihood of survival and recovery of the species in the wild". Comments point to worst case scenario, changed circumstances, and species analysis.	EarthJustice*	issuance criteria in our Findings Document. That analysis will be contained in our Findings Document and
125 FWS fails to assess HCP impacts- assumes only beneficial or no impacts	EarthJustice*	The scope of the analysis in the EIS covers the direct, indirect of the proposed incidental take and implementation of the N avoidance, minimization, and mitigation measures.
126 Impacts of the Proposed Action are unclear	EarthJustice*	See comment above
127 Reduced duration is feasible and will reduce take. FWS consideration of alternative is inadequate.	EarthJustice*	The reduced permit duration alternative would reduce the arthe Section 10(a)(1)(B) ITP. However, after 10 years NiSource its pipeline infrastructure. As far as ESA compliance, NiSource the ESA's take prohibition either through Section 7 of the ESA the ESA, most likely through a renewal and/or ammendment
128 Cumulative Impacts analysis is inadequate. Cannot be deferred; concluding statements with respect to activities not having cum impacts are false; FWS cannot conclude that ITP will have no cum impacts and defer review (this is contradictory); avoids meaningful review by deferring analysis	EarthJustice*; Friends of Blackwater**	The Service recognizes that NiSource covered activities do co avoidance, minimization, and mitigation measures developed species will help off-set those impacts.
129 Impacts uncertain due to climate change	EarthJustice*; Friends of Blackwater**	As stated in the MSHCP, most climate change-related impact MSHCP are likely to manifest through species life history chan produce reliable models to predict the potential effects of cli at global, regional, and local levels. Although the evidence for is strong, its effect on a local or regional climate or ecological not provided a clear response to date. Potential impacts due Chapter 10 of the MSHCP. We believe having these safegaur
130 EIS should be site-specific, not programmatic	Friends of Blackwater**	Due to the nature of the Proposed Action, including the prop affected environment, the variety of Covered Activities, the u timing or intensity of Covered Activities, and the nature of th being considered, the EIS analysis does not allow for site-spe NEPA analysis covers the direct, indirect, and cumulative effe incidental take, and the avoidance, minimization, and mitigat implementation of the HCP. As discussed in Chapter 1 of the Action of issuing NiSource an ITP, and the subsequent implem permit the activities that may cause the take of a Covered Sp and regulated by a number of federal and state agencies, incl Commission, U.S. Department of Transportation, and the U.S few.
131 Fails to understand how an ITP can be issued for some species, but not all species in the action area	Friends of Blackwater**	The ITP NiSource has requested from the Service will only au covered by the permit. For the other listed species that may either need to avoid take of these species, or seek take author

her meets or fails to meet ESA permit

nd in our Biological Opinion

ect, and cumulative effects (i.e., impacts) NiSource MSHCP, including the species

amount of take that is authorized under rce will continue to operate and maintain rce could elect to seek an exception to SA (status quo) or through Section 10 of ent of their permit and MSHCP.

contribute to cummulative impacts, and bed for the take, MSHCP, and non-MSHCP

acts to species covered in the NiSource nanges. Scientists are working hard to climate change to species and ecosystems for global average temperature increases cal conditions is much less certain, and has ue to climate change are addressed in urds in place is appropriate and justified.

oposed Covered Land that comprise the e uncertainty about future locations, the adaptive management approach becific analyses. Further, the scope of the ffects (i.e., impacts) of the proposed gation measures proposed from the EIS, the basic tenet that the Proposed ementation of the HCP, does not itself Species. NiSource activities are authorized ncluding the Federal Regulatory J.S. Army Corps of Engineers, to name a

authorize the take of those species ay occur within the NCL, NiSource will horization through Section 7 of the ESA.

132	Programmatic EIS vs. site-specific is insufficient		Friends of Blackwater**	See comment above
133	EIS does not take into account cum impacts of all impacts to a species; Plan fails to account for cumulative impacts to species		Friends of Blackwater**; TNC	The Final EIS considers potential impacts due to a variety of f transportation, and infrastructure. The proposed Covered La natural gas distribution and storage system operating within controlled lands across 14 east-central states. The proposed of this broad spatial extent and multi-decadal duration, ident reasonably foreseeable activities within the Covered Land be activities is not feasible. However, identification of generaliz possible, and can be used with the environmental consequer potential cumulative impacts on the environment. The cumu specific or quantifiable, but rather an overview of past, prese within the proposed Covered Land.
134	Cumulative Impacts fail to assess broad land-use changes and energy development on species habitat		TNC	As stated in the draft EIS, a quantifiable, project-specific eva foreseeable activities within the proposed Covered Land was land use changes and energy development were two activitie occur, and were included in the impact analysis.
135	Further explain why "All AMMs Alternative" is dismissed		TNC	The "All AMMs Alternative" was dismissed from consideration
136	G.I. should be used to develop areas where no take should occur, reducing covered lands		TNC	Agree. The GI project did include development of habitat su implementation of species-specific avoidance, minimization be utilized by NiSource personnel when both planning and in
137	Green Infrastructure is a good starting point to know what conservation success looks like		TNC	Agree.
138	Mitigation actions and their ability to protect/conserve need to factor in a background rate of loss (cumulative impact analysis)		TNC	While we agree in principle, conducting that analysis in a me Covered Land area would be difficult, if not impossible. We covered land have undergone extensive urban and industria primarily agricultural, which have experienced little develop have had profound impacts to the covered land landscape, the conversion of native landscapes to intensive agricultural pro- development, mining and timber operations, energy develop infrastructure.
139	no information provided on how Ibat habitat will be assessed		TNC	That information is contained in the "Mitigation Sites Report located on our website at http://www.fws.gov/midwest/Endangered/permits/hcp/nise
140	Regarding surrogates - if they are to be used, need to adequately document why they are a suitable representative		TNC	Agree. Some of that information is in the report "Network D http://www.fws.gov/midwest/Endangered/permits/hcp/nise
141	Remedies for failed AMMs are too narrow		TNC	The failure of AMMs would be addressed through Adaptive I no circumstances in the MSHCP where NiSource would be at cases, where Adaptive Management response is required, th draft and final to clearly require a permit amendment if the within the adaptive management context.
142	Mitigation should be assessed over time	p.1	EPA	Agree. Compliance and effectiveness monitoring requireme

of factors, including wind energy, I Land includes an existing 14,000+ mile nin existing ROWs and other NiSource sed permit duration is 50 years. Because entification of all specific past, present, and beyond those proposed as covered alized activities and their impacts is uences (see Chapter 4) to analyze their mulative impacts analysis is not project esent and reasonably foreseeable activities

valuation of past, present, and reasonably vas not feasible or practical. However, ities identified as reasonably certain to

tion based on rationale cited by NiSource.

suitability data layers that will facilitate n and mitigation measures. That data will implementing projects.

neaningful way across the 9.8 million acre le do know that portions of the proposed rial development, while other portions are opment. These past and present actions , the most notable being the loss and/or roduction lands, urban and rural opment, and transportation

orts" for each of the take species. They are

isource/index.html

Design Methods" which can be found at isource/index.html

e Management and responses. There are able to simply ignore such a failure. In all the MSHCP has been changed between e circumstance cannot be fully addressed

nents are key components of the NiSource

*EarthJustice comment letter on behalf of multiple entities		
**Friends of Blackwater letter on behalf of multiple entities		