

IN THE UNITED STATES DISTRICT COURT  
FOR THE DISTRICT OF COLORADO  
Judge John L. Kane

Civil Action No. 12-cv-01275-JLK

DINÉ CITIZENS AGAINST RUINING OUR ENVIRONMENT,  
SAN JUAN CITIZENS ALLIANCE,  
SIERRA CLUB,  
CENTER FOR BIOLOGICAL DIVERSITY, and  
AMIGOS BRAVOS,

Petitioners,

v.

UNITED STATES OFFICE OF SURFACE MINING RECLAMATION AND  
ENFORCEMENT, an agency within the U.S. Department of the Interior;  
SALLY JEWELL, in her official capacity as Secretary of the Interior;  
AL KLEIN, in his official capacity as Regional Director of the U.S. Offices of Surface Mining  
Reclamation and Enforcement, Western Region;  
BOB POSTLE, in his official capacity as Manager of the Program Support Division for the  
Western Region of the Office of Surface Mining Reclamation and Enforcement;  
RICK WILLIAMSON, in his official capacity as Manager of the Indian Programs Branch of the  
Western Region of the Office of Surface Mining Reclamation and Enforcement; and  
MYCHAL YELLOWMAN, in his official capacity as Navajo Mine Team Leader in the Office  
of Surface Mining Reclamation and Enforcement;

Respondents, and

THE NAVAJO TRANSITIONAL ENERGY COMPANY, LLC

Intervenor-Respondent

---

**MEMORANDUM OPINION AND ORDER**

---

Kane, J.

Despite hundreds of pages of briefing and a voluminous administrative record, this case presents a relatively straightforward question: must the Office of Surface Mining Reclamation and Enforcement (“OSM”) consider the environmental impacts related to the combustion, at the

Four Corners Power Plant, of coal that will be mined as a result of OSM's approval of the Navajo Transitional Energy Company's ("NTEC") Permit Revision Application? Because I answer this question in the affirmative, and because I find that OSM failed to adequately consider those same impacts in its Environmental Assessment ("EA") for NTEC's Permit Revision Application, the Petition for Review of Agency Action (Doc. 1) is GRANTED. The balance of this opinion discusses the factual and legal basis for this conclusion.

## BACKGROUND

The Navajo Mine, which extracts coal from the Fruitland Formation, exists for the sole purpose of supplying coal to the nearby Four Corners Power Plant.<sup>1</sup> See AR 1-2-11-19; 1-2-11-20. In 1960, the original operator of the mine, BHP Navajo Coal Company ("BHP"),<sup>2</sup> negotiated a contract with Arizona Public Service to provide coal to the Four Corners Power Plant, which is located adjacent to the northern end of the mine. AR 8-1-1-2264. Coal has been produced from the Navajo Mine since 1963, solely for use at the Four Corners Power Plant. AR 8-1-1-2264; AR 2-1-1-2542.

Operations at the mine are governed by a life-of-mine permit issued by OSM. AR 2-1-1-922. Although the initial permit was limited to a term of five years, 30 U.S.C. § 1256(b), NTEC can apply for successive five-year renewals, with respect to areas within the boundaries of its

---

<sup>1</sup> For a more extensive discussion of the development and permitting history of the Navajo Mine, see *Diné Citizens Against Ruining Our Environment v. Klein*, 747 F. Supp. 2d 1234, 1239-1242 (D. Colo. 2010).

<sup>2</sup> From the mine's inception in 1957 until 2013, the mine was leased from the Navajo Nation by a series of private, non-tribal entities. At the time of the challenged Permit Revision Application, the mine was leased by BHP Navajo Coal Company ("BHP"). On December 30, 2013, BHP changed its name to Navajo Mine Coal Company ("NMCC"), and BHP sold 100% of its interests in NMCC to the Navajo Transitional Energy Company ("NTEC"). On January 6, 2014, NMCC was merged into NTEC. Because NTEC has assumed BHP's interest in the mine, I refer to NTEC when discussing the current rights and obligations relating to the Navajo Mine. Where necessary for the sake of historical accuracy, however, I refer to BHP.

existing permit, as a matter of right. *Id.* § 1256(d)(1). Such “matter of right” renewals are not, however, allowed when NTEC seeks to extend its mining operations “beyond the boundaries authorized in the existing permit.” *Id.* § 1256(d)(2). When NTEC seeks to expand its mining operations, it must submit a permit revision application, which is “subject to the full standards applicable to new applications under [the Surface Mining Control and Reclamation Act].” *Id.*; *see also* AR 1-2-11-22. OSM’s compliance, vel non, with NEPA in regard to its approval of NTEC’s recent Permit Revision Application, which presents the latest chapter in the ongoing attempt to expand operations at the Navajo Mine, forms the basis of the instant controversy.

#### PROCEDURAL HISTORY

BHP first sought to expand mining operations into a 3,800 acre area of the Navajo Mine known as “Area IV North” in 2005. OSM completed an EA for the Permit Revision Application, determined that the expansion of operations proposed therein would have no significant impact on the quality of the human environment, and approved the Permit Revision Application on October 7, 2005.

Soon after, two of the Petitioners in the instant action, Diné Citizens Against Ruining our Environment (“DCARE”) and San Juan Citizens Alliance, filed suit challenging OSM’s approval of BHP’s proposed expansion of operations into Area IV North. In October 2010, I reviewed and rejected OSM’s approval of the Permit Revision Application, remanding the application to OSM for further proceedings. *See Diné Citizens Against Ruining Our Environment v. Klein*, 747 F. Supp. 2d 1234 (D. Colo. 2010).

Following my 2010 remand, BHP submitted a revised Permit Revision Application to OSM, seeking permission for a more modest expansion of its operations into Area IV North. AR 1-01-01-01. OSM developed a draft EA reviewing the potential environmental impacts of the

expansion of operations proposed in the Permit Revision Application; it solicited extensive public input on that draft EA; and it issued a final EA determining that the revised proposed expansion would have no significant impact on the human environment. AR 1-02-10-01 to 06. Based in part on that determination, OSM approved the 2011 Permit Revision Application with conditions. AR 1-02-10-01.

Shortly thereafter, DCARE, San Juan Citizens Alliance, Sierra Club, Center for Biological Diversity, and Amigos Bravos (collectively “Petitioners”) filed the instant suit alleging that OSM’s EA failed to comply with the National Environmental Policy Act (“NEPA”) and its implementing regulations. Specifically, Petitioners argue that OSM should have considered the environmental impacts related to the combustion of coal that will be mined as a result of OSM’s approval of NTEC’s Permit Revision Application and the environmental impacts of the disposal of the resultant coal combustion waste (collectively “combustion-related impacts”).

On January 10, 2014, the parties completed their briefing on Petitioners’ claims, and on February 18, 2015, they presented oral arguments. This matter is now ready for disposition.

#### JURISDICTION AND VENUE

Because Petitioners’ claims are based on NEPA, I have jurisdiction pursuant to 28 U.S.C. § 1331. Venue in this court is proper, because a substantial part of the events giving rise to Petitioners’ claims occurred in OSM’s Western Region offices located in Denver, Colorado. 28 U.S.C. § 1391(e).

## JUSTICIABILITY

### *Standing*

Respondents do not contest Petitioners' standing to challenge their approval of NTEC's Permit Revision Application;<sup>3</sup> nonetheless, I must still consider the issue of standing *sua sponte* to ensure that I have subject-matter jurisdiction. *See S. Utah Wilderness All. v. Office of Surface Mining Reclamation and Enforcement*, 620 F.3d 1227, 1233 (10<sup>th</sup> Cir. 2010). To establish that they have standing to challenge OSM's approval of NTEC's Permit Revision Application, Petitioners must show that: (1) they suffered or imminently will suffer an injury; (2) that injury is fairly traceable to the challenged conduct of Respondents; and (3) a favorable federal court decision is likely to redress the injury.<sup>4</sup> *See, e.g., Bennett v. Spear*, 520 U.S. 154, 167 (1997). Furthermore, because Petitioners are organizations, they must demonstrate that "(a) [their] members would otherwise have standing to sue in their own right; (b) the interests [they] seek[] to protect are germane to [their organizational] purpose; and (c) neither the claim asserted nor the relief requested requires the participation of individual members in the lawsuit." *Comm. to Save the Rio Hondo v. Lucero*, 102 F.3d 445, 447 n.3 (10<sup>th</sup> Cir. 1996). Because the second and third prongs of the organizational standing inquiry are readily established in this case,<sup>5</sup> the balance of

---

<sup>3</sup> Intervenor-Respondent BHP, NTEC's predecessor in interest, cursorily challenges Petitioners' standing, arguing in a footnote that Petitioners' complained-of injury is neither "fairly traceable" to OSM's approval of the proposed expansion nor redressable by a decision of this Court. I address these arguments *infra*.

<sup>4</sup> The Supreme Court has also imposed a variety of prudential standing requirements, none of which is implicated here.

<sup>5</sup> DCARE, San Juan Citizens Alliance, Sierra Club, Center for Biological Diversity, and Amigos Bravos are non-profit, member-based groups dedicated to the protection and preservation of the environment. The interest implicated in this controversy, ensuring OSM's compliance with NEPA, is germane to their organizational purpose. Furthermore, neither the claim they assert nor the relief they seek requires the participation of their individual members.

my standing inquiry focuses on whether Petitioners' members would have standing to challenge OSM's approval of NTEC's Permit Revision Application in their own right.

1. Injury in Fact

Petitioners assert that OSM has failed to comply with its obligation to fully consider the potential environmental impacts that would result from OSM's approval of NTEC's Permit Revision Application. A violation of NEPA's procedural requirements constitutes harm for purposes of Article III standing. *See, e.g., Davis v. Mineta*, 302 F.3d 1104, 1115 (10<sup>th</sup> Cir. 2002). Furthermore, DCARE, San Juan Citizens Alliance, Sierra Club, Center for Biological Diversity, and Amigos Bravos assert that their members live, work, raise families, recreate, conduct scientific research, and follow their religious faith in the area impacted by the challenged action, and they "will continue to do so in the future and on an ongoing basis." Petition for Review (Doc. 1) at ¶ 25. *See also* Declaration of Dailan Jake Long (Doc. 48-1); Declaration of Lucy A. Willie (Doc. 48-2); Declaration of Taylor McKinnon (Doc. 48-3); Declaration of Mike Eisenfeld (Doc. 48-4); Declaration of Sarah Jane White (Doc. 48-5); and Declaration of Shirley McNall (Doc. 48-6). These allegations and supporting declarations sufficiently demonstrate the concrete harm caused to Petitioners' members by OSM's alleged violations of NEPA, as well as the likelihood of future injury to Petitioners' members resulting from those alleged violations.<sup>6</sup> *See Summers v. Earth Island Inst.*, 588 U.S. 488, 498 (2009) (an

---

<sup>6</sup> Although Petitioner Amigos Bravos failed to submit a declaration specifically alleging facts in support of its standing to bring the instant claim, that failure is of no consequence. Because I have determined that DCARE, San Juan Citizens Alliance, Sierra Club, and Center for Biological Diversity have standing to challenge OSM's approval of NTEC's proposed expansion, I need not determine whether Amigos Bravos has standing. *See Utah v. Babbitt*, 137 F.3d 1193, 1215 n.36 (10<sup>th</sup> Cir. 1998) (noting that it is unnecessary to consider standing of other plaintiffs when one plaintiff has adequately established standing).

organization must “make specific allegations establishing that at least one identified member ha[s] suffered or w[ill] suffer harm”); *Wilderness Soc’y v. Kane Cnty.*, 581 F.3d 1198, 1211 (10<sup>th</sup> Cir. 2008) (finding similar declarations sufficient to establish injury-in-fact).

## 2. Causation

Petitioners must also “show [their] injuries are fairly traceable to the conduct complained of.” *Comm. to Save the Rio Hondo*, 102 F.3d at 451. Where a party asserts a NEPA claim, “the injury is the increased risk of environmental harm to concrete interests, and the conduct complained of is the agency’s failure to follow the National Environmental Policy Act’s procedures.” *Id.* Therefore, in order to establish causation, “a [party] need only show its increased risk is fairly traceable to the agency’s failure to comply with the National Environmental Policy Act.” *Id.*

The harm forming the basis of Petitioners’ “injury” for purposes of the standing analysis is the inadequate foresight and deliberation inherent in OSM’s alleged NEPA violations. It follows that this injury was directly caused by OSM’s alleged failure to comply with NEPA’s procedural requirements.<sup>7</sup> Because they have adequately pled the causal connection between OSM’s complained of conduct and their alleged injury, Petitioners have established causation for purposes of Article III standing.

---

<sup>7</sup> Intervenor-Respondent BHP, NTEC’s predecessor in interest, suggests that the combustion-related impacts themselves, and not OSM’s failure to consider the combustion-related impacts, are the injury upon which Petitioners’ standing is based. This argument misapprehends the nature of Petitioners’ harm, which is predicated on the procedural harm inherent in a NEPA violation. Accordingly, Intervenor-Respondent’s related arguments that Petitioners have failed to demonstrate causation and redressability are without merit.

### 3. Redressability

An injury is redressable when “it is likely, as opposed to merely speculative, that the injury will be redressed by a favorable decision.” *Friends of the Earth v. Laidlaw Env'tl. Servs.*, 528 U.S. 167, 181 (2000). Petitioners must demonstrate a substantial likelihood that OSM’s compliance with NEPA will redress their alleged injury. *See Catron Cnty. Bd. of Comm’rs*, 75 F.3d at 1433; *S. Utah Wilderness Alliance*, 620 F.3d at 1235 (finding a procedural injury would be redressed by forcing agency to follow proper procedures).

Petitioners’ complained-of injury is directly related to OSM’s alleged failure to comply with NEPA’s procedural requirements. They seek declaratory judgment that OSM has violated NEPA and the APA, an injunction setting aside OSM’s approval of the Permit Revision Application and remanding the matter to OSM with instructions to prepare an Environmental Impact Statement, and a mandatory permanent injunction prohibiting OSM from permitting any ground-disturbing activity in Area IV North of the Navajo Mine until OSM remedies the complained-of NEPA violations. If I were to grant the requested relief, the alleged NEPA violations would be corrected and Petitioners’ harms would be redressed.<sup>8</sup> Accordingly, I find that Petitioners have sufficiently demonstrated “redressability” for purposes of Article III standing, and that they have Article III standing to challenge OSM’s approval of NTEC’s Permit Revision Application.

#### *Prudential Mootness*

Although Petitioners have established their standing to bring these claims, I may not address these issues if this case is constitutionally or prudentially moot. Neither Respondents

---

<sup>8</sup> See *supra* note 7.



nor Intervenor-Respondent suggest that this case is constitutionally moot; instead, they urge me to exercise my discretion to find Petitioners' challenge prudentially moot. They argue that because a pending EIS analyzes the combustion-related effects Petitioners claim OSM failed to analyze in the 2012 EA, Petitioners challenge to the 2012 EA is prudentially moot.

*Supplemental Brief of the Navajo Transitional Energy Co.* (Doc. 76) at 8.

“In deciding whether a case is moot, the crucial question is whether granting a present determination of the issues offered will have some effect in the real world.” *Abdulhaseeb v. Calbone*, 600 F.3d 1301, 1311 (10th Cir. 2010) (quoting *Kan. Judicial Review v. Stout*, 562 F.3d 1240, 1246 (10th Cir. 2009)). In other words, “When it becomes impossible for a court to grant effective relief, a live controversy ceases to exist, and the case becomes moot.” *Id.* Respondent and Intervenor-Respondent urge that, given the imminent completion of the pending EIS, I cannot grant Petitioners meaningful relief. I find this contention meritless.

Even if, as Respondents and Intervenor-Respondent argue, a remand to OSM with instructions to prepare an EIS would not afford Petitioners any meaningful relief at this juncture,<sup>9</sup> Petitioners also seek an injunction prohibiting OSM from permitting any ground-disturbing activity in Area IV North until OSM remedies its NEPA violations. Complaint for Declaratory and Injunction Relief and Petition for Review of Agency Action (Doc. 1) at 22. Should I rule in Petitioners' favor, mining activities in Area IV North could be ceased until OSM demonstrates that it has complied with its NEPA obligations. This relief, even if temporary, is meaningful. Accordingly, I decline the invitation to exercise my discretion to find Petitioners' challenge prudentially moot.

---

<sup>9</sup> This contention is, at best, arguable. Even if the pending EIS addresses many of the alleged shortcomings in the 2012 EA, it would not actually cure OSM's failure to fully consider the environmental impacts of NTEC's proposed expansion before OSM approved the expansion.

## STANDARD OF REVIEW

NEPA does not define or specify the standard of review to be used in examining OSM's actions. Accordingly, the Administrative Procedure Act, 5 U.S.C. § 500, *et seq.*, provides the framework for this appeal, and I must apply the standards articulated in the APA in considering the merits of Petitioners' arguments.

Under the APA, I review OSM's actions to determine if they are "arbitrary, capricious, an abuse of discretion, or otherwise not in accordance with law." 5 U.S.C. § 706(2)(A). An agency's action is "arbitrary, capricious, an abuse of discretion, or otherwise not in accordance with law" if "the agency entirely failed to consider an important aspect of the problem, offered an explanation for its decision that runs counter to the evidence before the agency, or is so implausible that it could not be ascribed to a difference in view or the product of agency expertise." *Motor Vehicles Mfrs. Ass'n v. State Farm Mut. Auto. Ins. Co.*, 463 U.S. 29, 41 (1983); *see also Morris v. U.S. Nuclear Reg. Comm'n*, 598 F.3d 677, 690-91 (10th Cir. 2010). In the context of Petitioners' NEPA claim, I review the administrative record to "ensure that the agency has adequately considered and disclosed the environmental impact of its actions and that its decision is not arbitrary and capricious." *Krueger*, 513 F.3d at 1178 (citing *Utah Shared Access Alliance v. U.S. Forest Serv.*, 288 F.3d 1205, 1208 (10th Cir. 2002)).

Although my review of OSM's approval of NTEC's Permit Revision Application is "highly deferential," my "inquiry must be "searching and careful." *Ecology Center, Inc. v. U.S. Forest Serv.*, 451 F.3d 1183, 1188 (10<sup>th</sup> Cir. 2006). I will uphold OSM's approval "if at all, on the basis articulated by the agency itself," *Biodiversity Conserv. All. v. Jiron*, 762 F.3d 1036, 1060 (10<sup>th</sup> Cir. 2014); counsel's post-hoc rationalizations cannot substitute for the "fair and

considered judgment of the agency” as set forth in the administrative record. *S. Utah Wilderness All.*, 620 F.3d at 1236.

Having resolved these preliminary matters, I now turn to a substantive discussion of the basis for my decision.

## DISCUSSION

As a major federal action,<sup>10</sup> OSM’s approval of NTEC’s Permit Revision Application is subject to NEPA’s procedural requirements. Accordingly, OSM was required to consider, and to inform the public that it had considered, the environmentally significant aspects of NTEC’s Permit Revision Application. *Citizens’ Comm. to Save Our Canyons v. Krueger*, 513 F.3d 1169, 1177-78 (10<sup>th</sup> Cir. 2008). OSM was not required to reach any specific substantive result, but it was required to prepare an Environmental Impact Statement (“EIS”), an Environmental Assessment (“EA”), or a Categorical Exclusion explaining the potential impact on the environment, or lack thereof, of NTEC’s proposed mine expansion. *See, e.g., Robertson v. Methow Valley Citizens Council*, 490 U.S. 332, 350 (1989); *Utah Env’tl. Cong. v. Bosworth*, 443 F.3d 732, 736 (10<sup>th</sup> Cir. 2006).

In an effort to fulfill this obligation, OSM prepared an EA containing information relating to the need for the proposed expansion, other alternatives, the environmental impact of the proposed expansion and its alternatives, and a listing of agencies and persons consulted. *See* 40 C.F.R. § 1508.9(b). Petitioners challenge the scope of that EA, and they challenge OSM’s conclusion that its approval of NTEC’s Permit Revision Application will not have a significant impact on the environment. I address each argument *seriatim*.

---

<sup>10</sup> Neither party contests that OSM’s approval of the Permit Revision Application constitutes “major Federal action.” For a definition of this term, *see* 40 C.F.R. § 1508.18.

*The Scope of OSM's EA for NTEC's Proposed Mine Expansion*

To determine the proper scope of its EA for NTEC's proposed mine expansion, OSM was required to consider "3 types of actions, 3 types of alternatives, and 3 types of impacts." 40 C.F.R. § 1508.25. Most relevant to the instant challenge, OSM was required to consider "connected actions" and "indirect effects"<sup>11</sup> of the expansion of operations proposed in NTEC's Permit Revision Application.<sup>12</sup> *Id.*

Petitioners argue that OSM improperly limited the scope of its EA by failing to consider the combustion-related impacts of the proposed expansion of operations. Specifically, they argue that the combustion-related impacts of the proposed expansion require analysis as either "connected actions" or "indirect effects" of the proposed expansion. Because I conclude that the combustion-related impacts are "indirect effects of the proposed action," I find it unnecessary to reach the parties' arguments relating to whether or not the continued operation of the Four Corners Power Plant is a "connected action." *See Valley Forge Ins. Co. v. Health Care Mgmt. Partners, Ltd.*, 616 F.3d 1086, 1094 (10<sup>th</sup> Cir. 2010) ("Judicial restraint . . . means answering only the question we must, not those we can").

---

<sup>11</sup> Although the CEQ regulations refer to "impacts" in their definition of the proper scope of an EA, the regulations make clear that "effects and impacts as used in these regulations are synonymous." 40 C.F.R. § 1508.8.

<sup>12</sup> While the CEQ regulations do not specifically address how an agency is to determine the appropriate scope of an EA, some guidance may be found in the provisions relating to the scope of an EIS. This conclusion logically follows from the fact that the EA forms the basis for determining whether an EIS is or is not necessary. If an EA is to serve this purpose, it must be similar in scope to the potential EIS. *See Citizens' Comm. to Save Our Canyons*, 297 F.3d at 1028 n. 13; *see also Klamath-Siskiyou Wildlands Ctr. v. Bureau of Land Mgmt.*, 387 F.3d 989, 998 (9<sup>th</sup> Cir.2004) (finding that "the CEQ regulations implementing NEPA require that an agency consider connected actions and cumulative actions within a single EA or EIS." (emphasis in original) (quotations omitted)).

### *Indirect Effects*

Petitioners argue that the combustion-related impacts must be analyzed as an “indirect effect” of NTEC’s proposed mine expansion. An “indirect effect” is an effect “which [is] caused by the action and [is] later in time or farther removed in distance, but [is] still reasonably foreseeable.” 40 C.F.R. § 1508.8(a). Accordingly, Petitioners must demonstrate both that (1) “but for” the proposed expansion, the coal combustion-related impacts would not occur and (2) the coal combustion-related impacts are reasonably foreseeable. *Id.*; *see also Utahns for Better Transp. v. U.S. Dep’t of Transp.*, 305 F.3d 1152, 1176 (10<sup>th</sup> Cir. 2002).

The Navajo Mine and the Four Corners Power Plant are unusually interconnected; indeed, as Petitioners argue, they are interdependent. The Four Corners Power Plant is a mine mouth plant, which was “designed and constructed specifically to burn coal from the Navajo Mine.” AR 1-2-11-20. The coal mined at the Navajo Mine is hauled from the mining areas to stockpiles adjacent to the railroad; it is transferred from the stockpiles to train cars; and it is transported to the crushing and blending facilities adjacent to the Four Corners Power Plant. AR 1-2-11-40. The coal mined from the Navajo Mine is delivered exclusively to the Four Corners Power Plant, AR 8-1-1-2264, and it is not economically feasible for the Four Corners Power Plant to secure coal from any other source. AR 1-2-11-294 to -295. *See also* AR 2-1-1-2542 (“the Navajo Mine is the sole supplier of fuel to the [Four Corners Power Plant]”).

Under the existing Mine Plan, NTEC will be unable to meet its contractual obligations as the exclusive fuel source for the Four Corners Power Plant. AR 1-2-11-285. Accordingly, the proposed expansion is necessary if NTEC is “to continue to provide a coal supply in accordance with [its] contractual obligations with the [Four Corners Power Plant] through July 6, 2016.” AR 1-2-11-28. *See also* AR 1-2-11-22, AR 1-2-11-24, AR 1-2-11-29, AR 1-2-11-270, and AR 1-2-

11-276. Significantly, if NTEC expands its operations as proposed, an additional 12.7 million tons of coal will be burned over the term of the coal supply contract. AR 1-2-11-285. In other words, as Respondents themselves concede, “but for [OSM’s] approval of the permit revision application, coal would not be mined from Area IV North and the environmental impacts associated with the combustion of the mined coal would not occur.” Respondents’ Brief (Doc. 53) at 36.

Furthermore, given the extreme interdependence of the Navajo Mine and the Four Corners Power Plant, Respondents concede that the combustion-related effects are reasonably foreseeable. Transcript of Oral Argument (Feb. 18, 2015) at 36. Unlike a scenario in which a coal mine markets its coal freely to multiple buyers, each of whom uses that coal in different applications under different constraints, there is virtually no uncertainty regarding when, where, and how the coal mined as a result of NTEC’s proposed mine expansion will be combusted.<sup>13</sup> All of the coal mined from Area IV North will be combusted at the Four Corners Power Plant. Transcript of Oral Argument (Feb. 18, 2015) at 54. Because there is no uncertainty as to the location, the method, or the timing of this combustion, it is possible to predict with certainty the combustion-related environmental impacts. Accordingly, I find that the coal combustion-related impacts of NTEC’s proposed expansion are an “indirect effect” requiring NEPA analysis.

In its EA for NTEC’s Proposed Mine Expansion, OSM purported to analyze the impacts associated with NTEC’s delivery of coal to the Four Corners Power Plant. AR 1-2-11-22. As Petitioners correctly note, however, OSM’s analysis of the combustion-related impacts is extremely limited. OSM’s analysis primarily focuses on the impacts associated with mining and

---

<sup>13</sup> Respondents note that pending regulations relating to the continued operation of the Four Corners Power Plant rendered uncertain the rate at which future combustion would occur, but they do not argue that this uncertainty made the combustion-related effects unforeseeable.

transporting coal to the Four Corners Power Plant. OSM did, however, analyze and discuss emissions from the Four Corners Power Plant in the context of its cumulative effects analysis. As part of that analysis, OSM concluded that the proposed expansion, in conjunction with the continued combustion of coal at the Four Corners Power Plant and other major sources of ambient air pollution in the area, would have no “discernible impact to ambient air quality or to contribute to any cumulative effects on air quality in the [area of the proposed mine expansion].” AR 1-2-11-230.

Although this cursory, conclusory analysis leaves much to be desired, OSM was only required to discuss the combustion-related effects “to the extent necessary under the circumstances for evaluation of the project.” *Wyoming v. U.S. Dep’t of Agric.*, 661 F.3d 1209, 1251 (10<sup>th</sup> Cir. 2011). With regard to the ambient air quality impacts resulting from the combustion of coal mined as a result of the proposed mine expansion, the EA’s cumulative effects analysis justifies OSM’s conclusion that the proposed expansion, and the concomitant combustion-related impacts, will not significantly affect ambient air quality in the region. *See Border Power Plant Working Grp. v. Dep’t of Energy*, 260 F. Supp. 2d 997, 1021 (S.D. Cal. 2003).

Petitioners also note, however, that OSM’s EA for the proposed expansion completely fails to address the deleterious impacts of combustion-related mercury deposition in the area of the Four Corners Power Plant. Nonetheless, Respondents argue OSM’s minimal discussion of the combustion-related impacts, including its analysis of mercury pollution, was sufficient. Specifically, Respondents argue that OSM was not required to further discuss the combustion-related impacts of NTEC’s proposed expansion because: (1) the proposed action did not change the status quo with regard to coal combustion at the Four Corners Power Plant; (2) further

consideration of the combustion-related impacts would have merely duplicated ongoing efforts of other governmental agencies; (3) OSM has little, if any, authority to address the combustion-related impacts; and (4) OSM is already in the process of analyzing the combustion-related impacts in a forthcoming EIS. None of these arguments, either viewed separately or in combination with each other, justify OSM's failure to discuss the mercury-related indirect effects of NTEC's proposed expansion.<sup>14</sup>

1. Status Quo

An EIS need not be prepared, nor "indirect effects" be considered, when "the proposed action does not significantly alter the status quo." *Tri-Valley CARES v. DOE*, 671 F.3d 1113, 1125 (9<sup>th</sup> Cir. 2012). Respondents argue that, even if OSM were to consider the combustion-related effects resulting from NTEC's proposed mine expansion, it would not be required to prepare an EIS, because the proposed expansion would not change the status quo with respect to the rate of coal combustion at the Four Corners Power Plant.

This argument ignores the relevant inquiry. Even if the proposed expansion will not result in an increase to the rate of coal combustion at the Four Corners Power Plant, it will result in the combustion of an additional 12.7 million tons of coal over the term of the coal supply contract. AR 1-2-11-285 (noting that without the proposed expansion into Area IV North, NTEC would fall short of its contractual obligations to the Four Corners Power Plant). Absent OSM's approval of the proposed expansion, the environmental effects resulting from this additional combustion would not occur.

---

<sup>14</sup> OSM's EA contains extremely limited discussion of mercury in the context of the impacts of the actual mining operations, but it does not discuss the mercury in the context of the continued operation of the Four Corners Power Plant.



A recent Ninth Circuit case illustrates the significance of this distinction. In *South Fork Band Council of Western Shoshone of Nevada v. U.S. Department of Interior*, the court rejected BLM's argument that the "status quo rule" obviated the need to consider the indirect effects of a proposed mining expansion project.<sup>15</sup> 588 F.3d 718 (9<sup>th</sup> Cir. 2009). In that case, BLM argued, as Respondents do here, that because the proposed expansion of mining operations would not result in any change in the rate of ancillary operations, it need not consider the effects of those ancillary operations in its NEPA analysis. *Id.* at 725. The Ninth Circuit flatly rejected this argument, noting that BLM's approval of the proposed mine expansion would result in an additional ten years of ancillary operations, along with the attendant environmental impacts. *Id.* at 726.

This distinction is particularly relevant with regards to the deleterious impacts of combustion-related mercury deposition in the area of the Four Corners Power Plant. Even though, as Respondents argue, the effects related to ambient air quality concentrations of pollutants are most closely related to the rate of emissions, Transcript of Oral Argument (Feb. 18, 2015) at 38-39, the primary impacts of mercury are not associated with its ambient concentration in the air but with its deposition from the atmosphere. *Id.* at 42. Although Respondents attempt to downplay the significance of mercury emissions from the Four Corners Power Plant, *id.* (noting that the Four Corners Power Plant accounts for 1% of mercury deposition in the San Juan River basin), the record reveals that even microscopic changes in the amount of mercury deposition can have significant impacts on threatened and endangered

---

<sup>15</sup> At Oral Argument, Respondents attempted to distinguish *South Fork Band* based on the existence of a forty year-old environmental analysis for the Four Corners Power Plant and the fact that other agencies have regulatory authority over the coal combustion-related impacts. Oral Argument Transcript (Feb. 18, 2015) at 45. I find Respondents' attempt to distinguish this case unpersuasive.

species in the area impacted by the Four Corners Power Plant. *See* AR 1-2-14-1990 (concluding that a .1% increase in mercury deposition in the basin is likely to jeopardize the continued existence of the Colorado pikeminnow). Given the potentially significant impacts of mercury pollution, OSM's failure to discuss or analyze the deleterious impacts of combustion-related mercury deposition in the area of the Four Corners Power Plant is troubling. At a minimum, it renders OSM's analysis of the indirect effects of the proposed mine expansion insufficient.

OSM's approval of the Permit Revision Application, even if it does not alter the rate of combustion at Four Corners Power Plant, will result in the combustion of an additional 12.7 million tons of coal. The "status quo rule" does not excuse OSM's failure to consider the cumulative impact of this additional coal combustion, which would not occur but for OSM's approval of the proposed expansion.

## 2. Duplicative Analysis

Respondents argue that NEPA does not require analysis of the air quality and emission impacts of coal combustion at the Four Corners Power Plant, because such analysis "would have merely duplicated recent and ongoing efforts of EPA and the State of New Mexico." Respondent's Brief (Doc. 53) at 42. In support of this argument, Respondents cite EPA's development of Source-Specific Federal Implementation Plans for the Four Corners Power Plant and EPA's approval of the state of New Mexico's Air Quality Implementation Plan. These documents contain extensive analysis and discussion of the air quality impacts of coal combustion at the Four Corners Power Plant specifically, and in the Four Corners region generally. Respondents also cite EPA's development of National Emission Standards for

Regional Haze and for Mercury.<sup>16</sup> These documents contain general discussions of the environmental impacts of ozone precursors and atmospheric mercury, but they do not discuss the particular impacts of such pollutants on the area surrounding the Four Corners Power Plant.

As a threshold matter, Petitioners argue that there is no evidence that OSM actually relied on these documents in the process of preparing its EA for the proposed mine expansion. As Petitioners note, OSM failed to specifically refer to these documents in its EA or in its response to comments. Moreover, OSM failed to follow any accepted procedures for either including as cooperating agencies the agencies responsible for these documents or for tiering to these documents. I find Petitioners' argument on this point persuasive.

NEPA expressly allows for inter-agency cooperation, *see* 40 C.F.R. §§ 1506.2, 1506.3, and for reference and reliance upon other NEPA documents, *see* 40 C.F.R. §§ 1502.20, 1502.21. There is, however, no evidence in the administrative record indicating that OSM availed itself of these procedures. OSM did not engage the EPA or the New Mexico Department of Environmental Quality as cooperating agencies, *see* AR 1-2-11-18 (listing cooperating agencies), and it did not list these documents in its list of other environmental studies it considered as part of its NEPA analysis. *See* AR 1-2-11-25 (listing related environmental studies). As Respondents themselves acknowledge, the EPA's regional haze rule was not finalized at the time of OSM's decision; OSM could not have incorporated that document into its EA. Transcript of Oral Argument (Feb. 18, 2015) at 37. Furthermore, OSM did not cite the EPA's mercury regulations in its EA or in its response to comments. *Id.* at 52. OSM's passing reference to these documents in the context of its cumulative impact analysis and its legal briefing cannot cure its

---

<sup>16</sup> OSM did not cite either of these documents in the EA or in its response to comments. Transcript of Oral Argument (Feb. 18, 2015) at 17, 37, 52.

failure to meaningfully analyze and discuss the environmental impacts of NTEC's proposed expansion. *See Pennaco Energy, Inc. v. U.S. Dep't of Interior*, 377 F.3d 1147, 1159 (noting that an agency's post hoc analysis does not satisfy NEPA).

Furthermore, even if OSM did rely on these documents in the process of preparing its EA for the proposed mine expansion, OSM's failure to disclose in the EA its reliance on these documents or to identify in the EA the EPA or the New Mexico Department of Environmental Quality as cooperating agencies denied Petitioners, and the public at large, the opportunity to review and comment on the adequacy of OSM's analysis of the impacts of the proposed mine expansion. OSM's failure to provide such notice and opportunity to comment runs afoul of NEPA, which requires OSM to make information available to the public so that it "may also play a role in both the decisionmaking process and the implementation of that decision." *Robertson*, 490 U.S. at 349.

Finally, even if OSM had properly incorporated these documents into its EA, none of the cited documents analyzes the impacts of mercury pollution from Four Corners Power Plant on aquatic life in the San Juan River watershed. Petitioners' Reply (Doc. 55) at 42. As noted *supra*, even miniscule changes in the rate and amount of mercury deposition can have significant impacts on the environment surrounding the Four Corners Power Plant. Nonetheless, OSM failed to cite in its EA or in its response to comments any document analyzing the particular impacts of mercury deposition resulting from the combustion of coal mined as a result of the Area IV North expansion.<sup>17</sup> *See* Transcript of Oral Argument (Feb. 18, 2015) at 52 (noting that

---

<sup>17</sup> Although OSM prepared a Cumulative Hydrologic Impact Assessment ("CHIA"), which discussed mercury pollution in the vicinity of the proposed expansion, Respondents themselves suggest that the analysis contained in the CHIA is not directly relevant to the combustion-related impacts of the proposed expansion. *See* Respondents' Brief (Doc. 53) at 59.

“the mercury rule is not something that’s cited in the EA or OSM’s responses to comments”). In their briefing, Respondents cite to the EPA’s promulgation of national mercury standards, but the post hoc citation to the generalized discussion of mercury impacts contained in this document cannot substitute for meaningful consideration of the particularized impacts of mercury deposition resulting from the combustion of coal mined as a result of the Area IV North expansion before OSM approved the proposed expansion.

### 3. Limited Authority to Address Combustion-Related Impacts

Respondents argue that OSM was not required to consider the combustion-related impacts of the proposed mine expansion because OSM has “little, if any, authority to address the effects of emissions from the [Four Corners Power Plant].” Respondents’ Brief (Doc. 53) at 46. Specifically, Respondents note that BHP was not required to submit any information relating to the combustion-related impacts of its proposed mine expansion, and they note that OSM cannot impose any conditions on the operation of the Four Corners Power Plant. *Id.* at 47-48.

These arguments, though legally correct, do not excuse OSM’s obligation to consider the combustion-related impacts of the proposed mine expansion. OSM is not required to consider the effects of an action that it “has no ability to prevent,” *Dep’t of Transp. v. Public Citizen*, 541 U.S. 752, 770 (2004); however, its regulations allow it to deny NTEC’s proposed expansion if it determines that the expansion would “affect the continued existence of endangered or threatened species or result in destruction or adverse modification of their critical habitats, as determined under the Endangered Species Act of 1973.” 30 C.F.R. § 773.15. If OSM were to consider the combustion-related impacts and determine that they would affect the continued existence of endangered or threatened species, it would be required to deny NTEC’s Permit Revision

Application.<sup>18</sup> Because OSM has the authority to deny NTEC's Permit Revision Application based on its consideration of combustion-related effects, it was obligated to consider the combustion-related effects in its EA for the proposed expansion.

#### 4. Pending EIS

Finally, Respondents argue that OSM's ongoing preparation of an EIS for the Navajo Mine and the Four Corners Power Plant obviates the need to analyze the combustion-related impacts of the proposed expansion. This forthcoming EIS, which will "inform upcoming decisions on applications submitted by [NTEC] and other entities seeking, among other things, renewal of the life-of-mine permit, issuance of a new permit to authorize mining in additional areas covered by [NTEC's] existing lease, and authorization of continued operation of the FCPP," does not fulfill OSM's obligation to pause and consider the likely environmental impacts of NTEC's proposed expansion before approving the Permit Revision Application. *See Hillsdale Env'tl. Loss Prevention, Inc. v. U.S. Army Corps of Eng'rs*, 702 F.3d 1156, 1166 (10<sup>th</sup> Cir. 2012).

#### *OSM's Finding of No Significant Impact*

Petitioners also argue that OSM should be required to complete an EIS for NTEC's Permit Revision Application. Because OSM did not sufficiently consider the combustion-related effects of the proposed expansion in concluding that the proposed expansion will have no significant environmental impact, I think it proper to withhold my judgment, so that OSM can have an opportunity in the first instance to consider whether, in combination with the other impacts analyzed in its EA, these indirect effects will have a significant impact on the environment such that an EIS will be required.

---

<sup>18</sup> As noted above, even miniscule increases in the amount of mercury deposition can have significant impacts on threatened and endangered species in the area impacted by the Four Corners Power Plant.

## CONCLUSION

NEPA does not forbid an agency from engaging in environmentally destructive activities, it merely requires that the agency adequately consider the environmental impacts of its activities before committing resources to its chosen course of action. Because OSM failed to adequately consider the reasonably foreseeable combustion-related effects of NTEC's proposed expansion of operations at the Navajo Mine, the Petition for Review of Agency Action is GRANTED.

In light of this decision and pursuant to the Joint Case Management Plan, the parties shall confer in an effort to reach an agreement with respect to the appropriate remedy. If no agreement as to the appropriate remedy is reached, the parties shall submit no more than ten pages of briefing addressing the appropriate remedy no later than March 23, 2015.

Dated: March 2, 2015

BY THE COURT:

s/ John L. Kane  
Senior U.S. District Court Judge