

KO'MIR QAZIB OLISHNING ATROF-MUHITGA TA'SIRI VA EKOLOGIK OQIBATLARI

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Abstract: *This essay explores the multifaceted environmental impact of coal mining, shedding light on the extensive consequences that extend beyond energy production. The discussion encompasses the release of air and water pollutants, deforestation, habitat destruction, and the role of coal mining in climate change. From the immediate health risks associated with air pollution to the long-term ecological disruptions caused by habitat loss, the essay underscores the urgent need for a transition to cleaner energy sources. By understanding the environmental repercussions of coal mining, this work aims to contribute to the discourse on sustainable energy practices and environmental conservation.*

Keywords: *Coal mining, environmental impact, air pollution, water pollution, deforestation, habitat destruction, climate change, greenhouse gas emissions, sustainable energy, ecological consequences.*

Annotatsiya: *Ushbu maqola ko'mir qazib olishning atrof-muhitga ko'p qirrali ta'sirini o'rganadi va energiya ishlab chiqarishdan tashqarida bo'lgan keng qamrovli oqibatlarga oydinlik kiritadi. Muhokama havo va suvni ifloslantiruvchi moddalarni chiqarish, o'rmonlarni kesish, yashash joylarini yo'q qilish va iqlim o'zgarishida ko'mir qazib olishning rolini o'z ichiga oladi. Atmosferaning ifloslanishi bilan bog'liq sog'liq uchun bevosita xavflardan yashash joylarini yo'qotish natijasida uzoq muddatli ekologik buzilishlargacha, maqola toza energiya manbalariga o'tish zarurligini ta'kidlaydi. Ko'mir qazib olishning atrof-muhitga ta'sirini tushunish orqali ushbu ish barqaror energiya amaliyoti va atrof-muhitni muhofaza qilish bo'yicha nutqqa hissa qo'shishga qaratilgan.*

Kalit so'zlar: *Ko'mir qazib olish, atrof-muhitga ta'siri, havoning ifloslanishi, suvning ifloslanishi, o'rmonlarning kesilishi, yashash joylarining yo'q qilinishi, iqlim o'zgarishi, issiqxona gazlari chiqindilari, barqaror energiya, ekologik oqibatlar.*

KIRISH

Ko'mir qazib olish asrlar davomida energiya ishlab chiqarishning asosi bo'lib, dunyodagi energiya ehtiyojlarining muhim qismini ta'minlaydi. Biroq, ko'mir qazib olish bilan bog'liq ekologik oqibatlar chuqur va keng ko'lamlidir. Ushbu maqola havo va suvning ifloslanishi, o'rmonlarning kesilishi, yashash joylarini yo'q qilish va iqlim o'zgarishi kabi jihatlarni o'z ichiga olgan ko'mir qazib olishning atrof-muhitga ta'sirining turli usullarini o'rganadi.

ASOSIY QISM

Havoning ifloslanishi: Ko'mir qazib olishning eng bevosita va ko'rinadigan oqibatlaridan biri bu havoning ifloslanishi. Ko'mirni qazib olish va yoqish natijasida atmosferaga ko'plab ifloslantiruvchi moddalar, jumladan, oltingugurt dioksidi, azot oksidi, zarrachalar va karbonat angidrid chiqariladi. Ushbu ifloslantiruvchi moddalar nafas olish muammolari, yurak-qon tomir kasalliklari va odamlar va yovvoyi tabiatdagi boshqa sog'liq muammolariga hissa qo'shadi. Oltingugurt dioksidi chiqindilarining qo'shimcha mahsuloti bo'lgan kislotali yomg'ir tuproq va suv havzalarini kislotalash, suv ekotizimlari va o'simliklariga zarar etkazish orqali atrof-muhitga zararni yanada kuchaytiradi.

Suvning ifloslanishi:

Ko'mir qazib olish suv sifatiga sezilarli ta'sir ko'rsatadi. Ko'mirni qazib olish jarayoni ko'pincha yaqin atrofdagi suv manbalarini ifloslantirishi mumkin bo'lgan kimyoviy moddalar va og'ir metallardan foydalanishni o'z ichiga oladi. Ko'mir konlaridan oqayotgan suv simob, mishyak va selen kabi ifloslantiruvchi moddalarni daryolar va soylarga olib keladi, bu esa suv havzalari va quyi oqimdagi odamlar uchun jiddiy xavf tug'diradi. Bundan tashqari, ko'mirning yonish mahsuloti bo'lgan ko'mir kulini utilizatsiya qilish zaharli moddalarning yer osti suvlariga kirib ketishiga olib keladi va bu suv sifatini yanada yomonlashtiradi.

O'rmonlarni kesish va yashash joylarini yo'q qilish:

Ko'mir qazib olish faoliyatini kengaytirish ko'pincha katta maydonlarni tozalashni talab qiladi, bu esa o'rmonlarning kesilishiga va tabiiy yashash joylarining yo'q qilinishiga olib keladi. Biologik xilma-xillik va uglerod sekvestri uchun muhim bo'lgan o'rmon ekotizimlari o'rnini keng ochiq konlar va tegishli infratuzilma egallaydi. Yashash joylarining yo'q qilinishi ko'plab o'simlik va hayvonlar turlarini yo'q bo'lib ketish xavfi ostida qoldiradi, butun ekotizimlarni buzadi va umumiy biologik xilma-xillikni kamaytiradi.

Tog' cho'qqilarini olib tashlash konlari:

Ko'mir qazib olishning ayniqsa halokatli shakli tog' cho'qqilarini olib tashlash bo'lib, u erda tog'larning tepalari ko'mir qatlamlariga kirish uchun tom ma'noda portlatiladi. Bu jarayon nafaqat landshaftlarning doimiy o'zgarishiga olib keladi, balki daryolar va daryolarning ko'milishiga olib keladi va suv ekotizimlariga uzoq muddatli zarar etkazadi. Tog' cho'qqilarini olib tashlash, shuningdek, tuproq eroziyasiga hissa

qo'shadi va tabiiy drenaj shakllarini o'zgartiradi, bu esa atrof-muhitning buzilishini yanada kuchaytiradi.

Iqlim o'zgarishi:

Ko'mir qazib olish, energiya uchun ko'mir yoqilganda ko'p miqdorda karbonat angidrid chiqishi tufayli iqlim o'zgarishiga katta hissa qo'shadi. Ko'mirning yonishi issiqxona gazlari chiqindilarining muhim manbai bo'lib, Yer atmosferasining isishini kuchaytiradi va global iqlim o'zgarishiga hissa qo'shadi. Toza energiya manbalariga o'tish iqlim o'zgarishi ta'sirini yumshatish va sayyora kelajagini himoya qilish uchun juda muhimdir.

Xulosa: Ko'mir qazib olish global energiya talablarini qondirishda muhim rol o'ynagan bo'lsa-da, uning atrof-muhitga ta'sirini e'tiborsiz qoldirib bo'lmaydi. Havo va suv sifatining yomonlashishi, o'rmonlarning kesilishi, yashash joylarining yo'q qilinishi va iqlim o'zgarishiga qo'shgan hissasi toza va barqaror energiya alternativlariga o'tish zarurligini ta'kidlaydi. Ko'mir qazib olishning ekologik oqibatlarini tan olish mas'uliyatli energiya amaliyotini rivojlantirish va sayyoramizning uzoq muddatli salomatligini ta'minlash yo'lidagi muhim qadamdir.

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