

The following comments have been received either in writing or by e-mail during the public comment period. Although DEQ is not required to post these comments on its website, it has done so to aid the public discourse.

| Commenter   | Comment  |
|---|--|
| <p><b>Chaz Langelier<br/>PhD,<br/>Paul P.K.<br/>paullywogger,<br/>Sandy Hazzard,<br/>BatesCK, Jim<br/>Catano,<br/>Chad Mullins,<br/>Trieste Palmer,<br/>Terri Sofarelli,<br/>Jean Arnold,<br/>Sarah Sams,<br/>,<br/>,</b></p> | <p>I would like to make an official comment requesting that the DAQ require Kennecott Utah Copper to withdraw the request to modify the SIP and withdraw their NOI for the KUC Cornerstone expansion until:</p> <ol style="list-style-type: none"> <li>1. The Current SIP is approved (decision by the Region 8 EPA by December 1, 2011);</li> <li>2. A validated, peer reviewed study based on real-time field data is conducted by an independent part(s) to determine the amount, if any, of PM10 and PM2.5 remains in the open-pit. The student thesis (Tandon, 1996 "Airflow Patterns...") is unacceptable;</li> <li>3. The real emissions of Cornerstone (without offsets on non-required reductions volunteered by KUC) are stated and stated to the public, and the emissions of all permits not currently filed with the UT DAQ but related to this project are stated in totality;</li> <li>4. The UTDAQ provides a list of changes between revisions (commonly provided) so that commenter can evaluate changes in comparison to the NOI, which has remained as yet, unchanged from its original submission. (The TSD has been revised twice since its original submittal in August of 2010. The NOI, however, was submitted in August of 2010, but has not been revised in parallel.</li> </ol> <p>The nature of the revisions between versions of the TSD involves emission changes, but have not been documented by DAQ in a way that these can be evaluated by the public);</p> <ol style="list-style-type: none"> <li>5. The UT DAQ provides access to all its analyses of both KUC requests;</li> <li>6. The UT DAQ publishes a statement of the current inventory of criteria pollutants, adds the actual KUC increases, and then states the additional pollutants expected by growth using the Governor's projections – 3 year, 5 year, and 5 year increments till 2050.</li> </ol>   |
| <p><b>Wendy A. Hunter,<br/>Cody Sims</b></p>  | <p>Anyone who's lived through a winter on the Wasatch Front knows that we frequently battle with some of the country's worst air pollution. A significant amount of this pollution comes from Rio Tinto's Kennecott copper mine, although the proportion varies, depending on whom you ask. The folks at Rio Tinto say the mine and its supporting operations are responsible for about 8 percent of the valley's particulate pollution; the folks at Utah Physicians for a Healthy Environment peg it at about 30 percent.</p> <p>Regardless of whom you ask, everyone agrees that the Kennecott mine operation is the biggest industrial polluter on the Wasatch Front. Now, Rio Tinto wants to expand the mine to get at more ore; this process means digging out the south wall of the current pit. Rio Tinto asserts that 80 percent of the pollution from this expansion will never travel out of the pit and thus won't pollute the air we all breathe. Their evidence rests on a paper written by a Univeristy of Utah grad student; this paper has never been verified or field tested, as even its author advised it should be. It is flimsy evidence, at best.</p> <p>The Kennecott mine has been a major part of the Utah community for more than a century. It has provided countless families with good jobs and our entire region with a strong economic engine. If the mine truly can expand without further sullyng our air, that would be fantastic. But before we allow this expansion, Utahns deserve real proof—not some graduate paper that has never been verified or tested in the real world.</p> <p>The mine expansion depends on regulatory changes by the Division of Air Quality. Currently, the DAQ is considering whether or not to increase the amount of ore and waste Kennecott is allowed to move every year. I urge the DAQ to reject Rio Tinto's request to increase this limit, at least until the company's claims can be verified independently.</p> <p>That seems to be to be a prudent request. Verify, then decide.</p> |

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|------------------------------|---|
| <p><b>Erin Bean</b></p>      | <p>I have pored over Kennecott's request to alter the SIP for PM10 and have looked at their TSD, and I believe they have not provided adequate proof that their increased hauling of ore and waste will not yield a proportionate increase in particulate pollution.</p> <p>Please, before you approve their request, let's make sure their numbers truly add up. I know everyone's in a tizzy to get moving on this project, but the quality of the air along the Wasatch Front is a great resource for 1.8 million people; Rio Tinto's profits benefit a relative few. No amount of short-term economic gain is worth the health of our citizens, and I'm sure increased pollution from the mine will deter many businesses from moving into the area, jeopardizing our long-term economic health when the mine inevitably closes someday.</p> <p>I myself am a small business owner with a company that will yield half a million dollars in gross revenues this year. If Kennecott is allowed to expand, I will seriously consider taking my family and my money to another state that values its citizens' health.</p>   |
| <p><b>Ryan McDermott</b></p> | <p>Thanks for the opportunity to write a few words about Kennecott's SIP modification and proposed expansion. Please Include my comments in the record.</p> <p>As an engineer, with degrees in both chemistry and chemical engineering, I am well equipped to understand the processing and technical details involved for Rio Tinto to extract a product. I am disturbed to see that their expansion plan does not do more to prevent pollution increases. This is irresponsible business, puts the public health at greater risk, and I cannot support it given the company is already the largest source of industrial pollution in the Salt Lake Valley. Rio Tinto is a big company with significant profit margins and can afford to do better, especially since the technology exists to do so. Business as usual where externalities like pollution are passed onto the public are not acceptable.</p>   |
| <p><b>Derreld Yost</b></p>   | <p>I would like to state my support for the approval of the modification of the Division of Air Quality Permit to Rio Tinto Kennecott for the expansion of the mine. I will start by saying that I do work for Kennecott but also I have lived in the salt lake valley all my life. I know first hand what it takes to comply with the Title 5 permit. I currently I'm directly responsible for the daily maintaining of the smelter acid plant. I see first hand every day the expense and effort it takes to not only comply but also strive for ways to improve or mitigate any opacity or break down events. I can assure you that every effort to comply and improve is at the forefront of our daily decisions and directions.</p> <p>Secondly. As a young man I can remember the air quality of this valley. We lived on the sandy bench and I will always remember the "white cloud" that seemed to hang over the oquirrh mountains extending from the lake south toward the mine. I wasn't aware as a young man what that was but I now realize it was SO2/SO3 gas from the smelting process prior to the stack or acid plant technology designed to capture and treat the smelting off gas. Today we will shutdown at any expense to repair a fugitive leak much less sending it up the stack. Rio Tinto has made a huge investment in the smelting technology at the smelter for which everyone in Utah has benefited from for years.</p> <p>I find it very alarming the how the facts are overlooked and border line lie's some radical groups such as Physicians for healthy environment or Mom's for clean air have come up with. I know first hand the effort and commitment taken to protect the environment. Kennecott for over a century has built Salt Lake and Utah, provided employment and tax base which we all enjoy. Rio Tinto can mine anywhere in the world and they choose to work here as a partner. Please support this permit modification. It is the right thing to do.</p> |
| <p><b>Naomi Franklin</b></p> | <p>You are discussing whether to allow expansion of Rio Tinto mining operations in Bingham Canyon, just West of Salt Lake City. Because Salt Lake County is already out-of-compliance with Federal EPA standards for air quality, and because the Rio Tinto mine is known to be a major contributor to the high levels of PM10 and other pollutants in our air, I feel that the matter of mine expansion should be considered in much wider scope and much greater detail. It is possible, and necessary, that the Rio Tinto mining interests be directed to better procedures that will better serve DAQ's (and MY) objective: " CHOOSE CLEAN AIR".</p> <p>Not only are we declared out-of-compliance with EPA, but Forbes.com has just declared the Salt Lake City area to be among "America's ten most toxic cities in 2011", having evaluated the 80 largest Metropolitan Statistical Area as defined by the U.S. Census Bureau. "Of the 10 worst, the Salt Lake City area (No. 9) stands out as having the highest number of releases on the TRI list. "The Western economic hub racks up that hefty number with some help from Kennecott's copper mine, oil refineries including Tesoro's and chemical companies like Huntsman." ["TRI = certain industries including manufacturing, utilities and metal and coal mining, are required to report to the EPA if they release, recycle, treat or manage any of 650</p>  |

potentially dangerous chemicals. We ranked the areas based on the EPA's tally of how many pounds were reported released in each MSA in 2009."]  
<http://www.forbes.com/2001/02/28/most-toxic-cities-personal-finance.html>  
 I did attend the informational open-house offered by Rio Tinto on 2/15/11 at the SL County building. The plans to widen and deepen the Bingham Canyon mine were described: a 30+% increase in rock removal is contemplated, with concomitant increases in trucking, crushing, extraction (producing toxic water waste), and the increased energy needed to power these activities. It is a large complex of many interacting components, requiring many new permits from DAQ. It seems to me that the picture must be understood as a whole, rather than deciding permits for each component singly.  
 Rio Tinto is planning several improvements that will make its operations more efficient and less polluting. Will these be adequate? I have not learned by what means the mining operations have been monitored for pollution over the years, nor at present. No have I heard about plans to monitor the suggested improvements. It would seem that the DAQ must be involved in such monitoring, rather than depending only on Rio Tinto's numbers. It will probably be necessary for Utah FIRST to achieve attainment of its present contested SIP, by gaining approval from federal EPA.  
 I also attended the DAQ hearing on this subject on 2/22/11. I was shocked to observe that no DAQ board members were present: no one to hear the concerns of the public, which attended in significant numbers (over 120).  
 Curiously, a good proportion of the speakers did not seem to understand the DAQ objective of CLEAN AIR, but rather addressed themselves to Kennecott allegiance and the invaluable number of jobs and incomes provided to Utah. The problem is that the economic benefits have to be tallied against the detriments of health problems and environmental damages attributable to polluted air and toxic wastes. Individuals may be desperate for jobs, but I think it is the role of DAQ to protect workers from the hazards of which they apparently are unaware. And to protect all citizens from paying for the damages accruing from Rio Tinto's operations.  
 Rio Tinto is said to have gained profits of \$14.3 billions from the Bingham Canyon mine in 2010. A small proportion of this sum could be applied to significant improvements in their mining/refining operations. For example, the Bingham mine in SL County has been powered (since ???) by 3 coal-powered coal generator plants that lack any scrubbers in their smokestacks. Rio Tinto has only recently committed to replacing these 3 dinosaurs with one gas-powered plant that would run for 12 months of the year and yield fewer PM10, NOX and SO2 pollutants. (Note, however, that recent reports put into doubt the reduced pollution value of gas as compared to coal.)  
 Rio Tinto has also just installed a new Combined Heat and Power plant for its copper refinery, and plans another for refining the molybdenum from its proposed mine expansion. This progress is to be commended, but it is just suggestive of the improvements that are possible. For example, why not harness Utah's forceful sunlight to power mining operations? Sunlight is free and essentially pollution-free. An available platform for solar collectors could be the massive tailings pond for the toxic water wastes from Bingham mining: half of this impound has now been filled to the brim and sealed off.  
 In summary, a decision to permit expansion of the Rio Tinto mine in SL County is premature. We do not want quick fixes, but rather long term vision about how to use our resources wisely and safely. We also need real data to track the pollution that has been, and the effects of improved procedures on the pollution that will be.  
 Utah DAQ has the opportunity to make a significant step towards stewardship of our resources and our healths. "MAKE A DIFFERENCE: CHOOSE CLEAN AIR"

**Michael Mielke-  
 Post Carbon Salt  
 Lake**

Thank you for hearing my comment today.  
 The issue at stake, as far as I understand it, is whether to approve a STATE IMPLEMENTATION PLAN modification to allow Rio Tinto to increase mining operations from 197 million tons of material mined per year to 260 million tons per year of material mined. I would like to voice my comments today toward what I view as a considerable presumption on behalf of the DAQ when it comes to the timing of the proposed STATE IMPLEMENTATION PLAN change and the corresponding Notice of Intent (NOI) for a modification to Rio Tinto's permit (Approval Order). You may ask me to limit my comments only to the STATE IMPLEMENTATION PLAN change, and not discuss the pending Approval Order. However, the Technical Support Document submitted by Rio Tinto in defense of the STATE IMPLEMENTATION PLAN modification often

refers to the corresponding NOI that was submitted for an Approval Order, so it is apparent that these two are intertwined, and the STATE IMPLEMENTATION PLAN document relies on the NOI to provide technical support, which makes it relevant to this discussion here today. And this forms the basis for my comment.

It is my understanding that an approved PM10 STATE IMPLEMENTATION PLAN is part of the foundation for regaining attainment in Salt Lake County. Based on STATE IMPLEMENTATION PLAN goals, permitting rules are created or modified in order that the DAQ's permitting program will support the goals established by the STATE IMPLEMENTATION PLAN. Therefore, it seems to me that the STATE IMPLEMENTATION PLAN change, if approved, would need to be conducted first, as it establishes the overarching framework for the changes to follow. Given the EPA's position on the DAQ's Salt Lake County PM10 STATE IMPLEMENTATION PLAN, I wouldn't have thought that a STATE IMPLEMENTATION PLAN change of the magnitude proposed would be a "done deal", but apparently, I'm wrong. And doesn't the EPA have the final say on approval of a STATE IMPLEMENTATION PLAN change, since the STATE IMPLEMENTATION PLAN is a federally-enforceable document?

Tonight at 6:00 PM, following this hearing, the DAQ will next hear public comment on the DAQ's Intent to Approve a new Approval Order for the Bingham Canyon Mine, which has been finalized by the DAQ and is posted on the DAQ's website. This Approval Order has been written by DAQ engineers based on the assumption that the STATE IMPLEMENTATION PLAN increase will be approved, and 260 million tons of material will be mined per year.

Perhaps I'm mistaken, but I thought that this meeting here today was for DAQ to consider comments on the merits of changing the STATE IMPLEMENTATION PLAN to allow 260 million tons, but it appears that DAQ has already decided that this issue will be approved, and has produced a completed permit stating just that.

Imagine my surprise – this increase requested by Rio Tinto appears to be a "done deal" already. This situation, then, makes a mockery of this particular public comment event, and also of the DAQ's own vision statement posted on your own internet home page, which says that "A quality environment will be achieved through careful, open, and fair consideration of the concern of all Utahns." Obviously, these Utah voices being heard here today, mine among them, are not being considered, as the permit is already written. Besides being disingenuous to members of the public like me, I'm also wondering if this is legal, or has this jeopardized the due process of these proceedings? I'm not an attorney, but I would be disappointed if my Utah taxpayer dollars are eventually needed to fight or settle a lawsuit brought against the DAQ because the agency so obviously violated their own procedures, not to mention their own vision statement of how they wish to operate.

I've thought that perhaps this conclusion I've reached may be wrong, and that the DAQ's response would be to say that they are simply preparing to act, if the STATE IMPLEMENTATION PLAN modification request is granted, and that the increase hasn't yet been approved. Well, if this is the case, then my question would be to wonder why the DAQ is tasking much-needed personnel resources to writing a permit document which may not even be needed or required? I have heard the DAQ Director state in the past that the agency is short-staffed and in need of additional personnel. I can only imagine that this has been exacerbated by the proposed 7% budget cuts being discussed in the current legislative session. However, if this decision today is not already fixed, then it appears that DAQ has the available staff to write permits that may not even be needed or allowed. Since this would reflect poorly on DAQ management who are allocating staff and resources, I can only return to my earlier assertion that the DAQ's actions in writing this new Approval Order reflect the fact that the outcome of this meeting today is already a foregone conclusion, with results that have been determined in advance, no matter the nature of public comment. DAQ has already taken the next step in preparing the requisite permit the Rio Tinto will need to move forward with their mine expansion.

Given that we can no longer trust the process, which appears to be fixed in advance, or that we can trust the agency tasked to oversee this process, I would like to go on record voicing my strong disapproval of the proposed modification to the Salt Lake County PM10 STATE IMPLEMENTATION PLAN.

**Terry Marasco**

You know I have been copied on the EPA letter (Feb 25, 2011) to Cheryl. I also have a copy of the June 30, 1999 letter (to: Trueman) referenced in the Feb 25 EPA letter. I have also read the federal register (40 CFR Part 52 [EPA-R08-OAR-2006-0013; FRL-9087-5] , Approval and Promulgation of Air Quality Implementation Plans; Utah; Redesignation Request and Maintenance Plan for Salt Lake, County; Utah County; Ogden City PM10 Nonattainment Area) and come away with this:

The recent letter states and the record shows back to 1999 that the UT DAQ is more about repeating mistakes than proffering the appropriate corrections to the variety issues with the EPA, which affects the health of Utah's citizenry.

The UT DAQ was told many times of the issues but keeps on course to advance less than adequate corrections. And now the unlikelihood that the BCM expansion will be approved. The same mistakes can be traced back to 1999.

It appears to me that in fact it is the UT DAQ that is effectively stalling the permit process. It is either doing one of two things: 1) lacking an understanding of the information submitted, or 2) being pressured to advance KUC permits. I would want to believe the former.

Utah's reputation is suffering nationally which must have a significant effect on our economy: the "worst air" in the nation, and the TRI inventory noted by Forbes shows Utah as one of the 10 most toxic cities. At the same time Utah is advertising in CA to move to Utah and the irony is move from the worst to the worst. This must stop and is a matter of health and the economy.

The UT DAQ needs to start over and require KUC to resubmit more researched and adequate documentation, particularly re: its real emissions. The current course will collide with regulations, and worse heighten the public's mistrust of the DAQ as the protector of the public's health. In any of the documentation at the Federal, State, and in this case, KUC submissions there is little the UT DAQ is doing to clear the air shed for attainment. And things are coming down on us: ozone issue in the Uinta Basin, new air alerts in expanded counties, stricter standards based on new health findings.

I hope you see the iceberg before you hit it.

Know if there is anything we on the ground can do to move the airshed to a new level, we are willing to focus our enormous energy toward that goal. Just ask.

**Jean Crane**

I attended both meetings on February 22nd regarding Rio Tinto's expansion efforts. What can I say, other than I was completely appalled at the process. Nothing that I heard or have read since those meetings, tells me this is good public policy. Having Rio Tinto state they anticipate a 9% - decrease - in emissions, and then submit to the DAQ they want an - approval - for an increase their emissions is - yes... outrageous.

It appears, like Michigan, Rio Tinto's processes are being - pushed - through the process without any sound scientific studies.

As was noted in the meetings, the DAQ's job is not to be the Chamber of Commerce. Your job is to protect the air quality of Utah, which we all know to be possibly the worst in the nation.

As I told the gentlemen in thesecond meeting. SHAME ON YOU for not protecting the people of Utah.

Being a non-scientific person, I would anticipate, you would 'require' Rio Tinto to - decrease - all emissions... period. Rio Tinto is a 'global' polluter. This is yours and ours - Utah. PLEASE defend it!

Also a month or so ago, I found 'numerous' videos and articles regarding Rio Tinto - specifically from the Michigan area. We're finding, this information has been \*very \* educational. I contacted the professors on the first video (below) and one did respond with an email. In that email they had said:

"I am not naïve about how corporations behave, but I was stunned at how flippantly Kennecott/Rio Tinto has violated environmental regulations — and common sense"

These are two short videos. I hope you'll take to time to view them. I think you'll find them interesting.

<http://www.youtube.com/watch?v=gheTH8ktXb4&feature=related>

<http://www.youtube.com/watch?v=cIB--EgGQcw&feature=related>

We have been in numerous meetings with Rio Tinto, as we live south of the mine. We fought to protect the Rose Canyon Ranch area. One of the statements Rio Tinto uses - "at this time" - has created a great distrust of their intent. We found it is not only used in Utah, but also in Michigan.

Below is a short article. Please read the entire article - this is a paragraph from the link below:

|                                  |  |
|----------------------------------|--|
|                                  | <p>*Perhaps even more absurd, **Rio** Tinto, which paid for the entire \$6.4 million cost of the power extension, also claims that it might not use the power line for its mining operations at all. In September, company spokesperson Matt Johnson said, "At this time, we're considering our power generation options at the mine site." State regulator Joe Maki saw things differently, noting "It's obvious they're running power up there to run their mine."*<br/> <a href="http://headwatersnews.net/environment-opinion/a-bit-late-rio-tinto-files-for-electric-permit-for-eagle-mine/">http://headwatersnews.net/environment-opinion/a-bit-late-rio-tinto-files-for-electric-permit-for-eagle-mine/</a></p> <p>I am not against mining. I would however, want any present and future mining to be done responsibly, with open dialogue, accurate scientific studies, and ensuring the protection of the air, land and water in Utah. I vote - *NO* - to allow Rio Tinto to increase any emissions. I also vote - *NO* - to any aspect of this proposed mine expansion, as I do not feel there has been adequate research done on this issue.</p>  |
| <p><b>Maura Hahnenberger</b></p> | <p>I am writing to express my opposition to the proposed rule change allowing an increase of 63,000,000 tons of material moved for Kennecott Utah Copper's Bingham Canyon Mine. This change would increase the air pollution in the Salt Lake Valley, which already has some of the worst air quality in the United States. This rule change would be a backward step in our goal to improve the air quality and subsequently health of Utah citizens.</p>   |
| <p><b>Douglas Stark</b></p>      | <p>I am opposed to the expansion on the open pit or underground mine at the Kennecott, Bingham Mine.</p> <p>Currently the air quality of the Salt Lake Valley does not meet EPA air quality standards for particulates often. Someone gave me the data showing 25% of the days from June 2010 to mid January 2011 were air alert days for ozone and particulates. During December and half of January 42% of the days were air quality alert days. We do not need more industrial sources of these air pollutants.</p> <p>Why can't we recycle more of the copper that is already in existence or find better substitutes rather than mine for more copper with its water and air pollution problems.</p>  |
| <p><b>Jennifer Nisonger</b></p>  | <p>It has come to my attention that Kennecott/Rio Tinto is requesting a permit that in effect, would substantially worsen our already frequently poisonous air. Medical research has shown that air pollution is linked to pre-natal stress, DNA-level reproductive damage that can lead to neuro-degenerative diseases like Parkinson's and Alzheimer's. The pollution ALREADY in our air effectively accelerates our aging by seven years.</p> <p>This is unacceptable. Please deny this permit for expansion. Our lives are at stake!</p> <p>I am a concerned, voting citizen.</p>  |
| <p><b>Hans G Ehrbar</b></p>      | <p>Securing the future for our children and grandchildren can no longer mean planning for continued growth. The planet is not big enough for the world economy to continue growing. The rich countries must be the first to move to a leaner steady-state economy with much less throughput. Durable goods will last much longer and everything will be recycled as much as possible. There will be much less mining, and all natural resources, not only fossil fuels, will be highly taxed.</p> <p>The natural resource corporations are not looking forward to this. They want to get as much of "their" assets out of the ground as quickly as possible before the inevitability of a steady state economy becomes generally accepted, i.e., before the public realizes how valuable these natural assets really are and puts steep taxes on their depletion. If the legislators and policy makers want to provide a solid basis for the future, putting Utah's resources on the auctioning block during the present gold rush, before the true value of these resources has sunk in, is counterproductive. It undermines our future instead of securing it. The income which we get now by allowing Kennecott to cut environmental corners in an accelerated exploitation of our resources is what is known as "uneconomic" growth: it only looks like growth, but it really impoverishes us, not only because of the pollution itself, but also because of the loss of future resource taxes.</p> <p>Sources:</p> <p>Herman Daly about Steady State Economics:<br/> <a href="http://www.sd-commission.org.uk/publications/downloads/Herman_Daly_thinkpiece.pdf">http://www.sd-commission.org.uk/publications/downloads/Herman_Daly_thinkpiece.pdf</a></p> <p>Hans Werner Sinn about the "Green Paradox" that the expectation of future environmental policies increases resource depletion now:<br/> <a href="http://www.cesifo-group.de/DocCIDL/forum3-09-intro4.pdf">http://www.cesifo-group.de/DocCIDL/forum3-09-intro4.pdf</a></p> |

**Marion Klaus-Utah  
Chapter of the  
Sierra Club**

Thank you for this opportunity to comment on amending the UT SIP, Emission Limits and Operating Practices, Section IX.H.2.h Kennecott Utah Copper: Mine; Amend R307-110-17; Section IX, Control Measures for Area and Point Sources, Part H, Emission Limits.

The Salt Lake Valley typically has the worst air pollution in the country for several days of each year and we rank in the top ten worst cities in the country. In 2010, we exceeded EPA standards for PM 2.5 on 51 days. Salt Lake and other nearby counties are not in compliance with national standards for PM 10, PM2.5, and Ozone.

These air exceedences are proven to cause severe human health problems to fetuses, neonates, children, and adults. Physicians also say that 1-2,000 deaths annually are caused by our air pollution.

Rio Tinto, Kennecott's parent company, is the single largest source of air pollution in the valley. We want Kennecott to shut down their fourth coal burner and to conduct their business within their existing permit framework.

In "America's 10 Most Toxic Cities", Morgan Brennan reported that Salt Lake City is number 9 on the list because we have the highest number of releases of EPA's Toxics Release Inventory (TRI). Kennecott's copper mine is the first name given among the list of major polluters contributing to TRI ( <http://www.forbes.com/2011/02/28/most-toxic-cities-personal-finance.html> ; 2-28-2011) According to the Rio Tinto website, their annual results for 2010 "delivered record underlying earnings of \$14 billion and announces \$5 billion capital management program together with 20% increase in dividend." The only thing truly healthy is the profit they make.

It is not the people benefiting from these high profits that pay the cost of the pollution because, generally speaking, they don't live here. It's you and me, and the families who live here, and most especially the children born and growing up here, who pay the cost. That cost consists of increased medical events and expenses, decreased general health, and shorter lives.

Rio Tinto can afford to limit their pollution to their existing permit. The Sierra Club is opposed to their proposed expansion and the extra tons of air pollution it will add to an area that is already not in compliance with national standards. Perhaps they should consider providing only a 15% increase in dividends to their stockholders and use the other 5% to shut down their use of coal and conduct their expansion within the framework of their existing permits. We have fouled our own nest. We need to clean it up, and not permit it to be fouled even more. Speaking of fouling nests, we aren't just fouling our own nests but also the nests of the many birds and other varieties of wildlife that live in the valley and around the Great Salt Lake. Your decision affects them, too, and they can't be here to tell you about it.

While the DAQ board makes decisions that can result in increased pollution, it is the individual and their families that suffer and pay the emotional and monetary costs for those decisions if our health is not protected. Health insurance companies also pay a significant amount of money too.

Your decision is critical to everyone who lives here. Please do not allow Rio Tinto to increase its pollution!

Thank you for this opportunity to discuss this issue critical to everyone who lives in the Salt Lake Valley.



creating solutions for today's environment

UTAH DEPARTMENT OF  
ENVIRONMENTAL QUALITY

MAR 03 2011

DIVISION OF AIR QUALITY

March 3, 2011

Ms. Cheryl Heying, Director  
Utah Division of Air Quality  
P.O. Box 144820  
Salt Lake City, UT 84114-4820

RE: Kennecott Cornerstone Project

Dear Ms. Heying:

I am writing in support of the Utah Division of Air Quality issuing a timely permit to Kennecott Utah Copper for its proposed Cornerstone Project. I also support rule making by the Utah Air Quality Board to modify R307-110-17 to enable modification of the State Implementation Plan to allow for the increased production at the Bingham Canyon Mine.

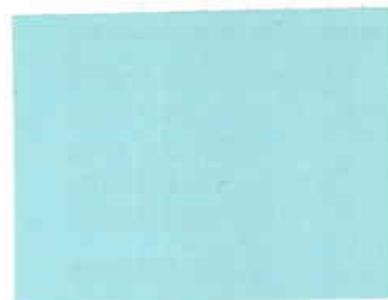
As an economic geologist, environmental consultant, and Wasatch Front business executive, I believe that the Cornerstone Project is a win-win-win opportunity. A world class mineral deposit will continue to be exploited for the benefit of the planet's growing population. The expansion will result in a net reduction in particulate emissions and only a modest increase in ozone emissions. Utah's employment picture will benefit through sustained direct mining jobs (the highest paying of any industry in the United States) as well as the indirect jobs that Kennecott provides to many firms throughout the state, including my firm, JBR Environmental Consultants. Utah's economy will benefit with Kennecott's continued contribution of roughly \$1 billion annually.

As a former member of the Utah Board of Oil Gas and Mining, I am familiar with the sincere commitment to responsible environmental management that Kennecott has made. Its reclamation, aquifer restoration, and wildlife habitat enhancement activities, as well as its focus on sustainable development are well documented. These activities are the product of a 21<sup>st</sup> Century corporate culture that recognizes the responsibility and essential role that the mining industry must assume in order to have a sustainable and economically just world.

Sincerely,

A handwritten signature in black ink that reads "Robert J. Bayer". The signature is written in a cursive style with a large, prominent "R" and "B".

Robert J. Bayer  
President and Managing Principal



Cheryl Heying  
Director of the Utah Division Air Quality,  
P.O. Box 144820  
Salt Lake City, Utah 84114-4820

UTAH DEPARTMENT OF  
ENVIRONMENTAL QUALITY

FEB 24 2011

DIVISION OF AIR QUALITY

Dear Ms. Heying,

I am adamantly opposed to any expansion of mining by Rio Tinto in the Salt lake Valley. They are the number one polluter and our air quality is horrible. Upon returning to Utah five years ago I began experiencing asthma attacks for the first time in years. Now I realize these attacks correspond directly to bad air quality. What Rio Tinto already does in their polluting is having an adverse, direct effect on my health. Now expanding their polluting will affect thousands more. I do not feel any tax or economic benefit this company brings outweighs the overall costs to the community in health care.

A recent economic study in West Virginia concluded that the states signature industry, coal mining, is actually an economic liability. The health consequences of that mining, environmental damage, and negative impact on other businesses costs the WV economy hundreds of millions of dollars more than the state receives in jobs and taxes. Could similar conclusions be made about Rio Tinto? Before any further expansion is allowed a similar study should be made.

Sincerely,



Tom Patton

The following statement was sent by the listed individuals with no further comment. Individuals that made addition comments have been scanned and attached.

**I SUPPORT KENNECOTT**

I am in favor of the Utah Division of Air Quality issuing a timely permit and the Utah Air Quality Board approving a rule making (R307-110-17) to authorize a production increase at the Bingham Canyon Mine. I understand this project is out for public comment because Kennecott has fulfilled all regulatory requirements. The Cornerstone Project will make an important contribution to the community and I support timely regulatory approval.

Brian Andersen  
Lindsay Shepherd  
Jeremy Bos  
Scott Wightman  
Michael J. Blockovich  
Patrick Fearn

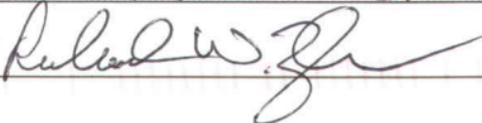
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## **I support the Cornerstone Project because:**

OUR NEW TECHNOLOGIES LEAD WITH DRAMATIC IMPROVEMENTS  
HOW WE OPERATE AND REDUCING THE IMPACT  
ON THE ENVIRONMENT

NAME: RICHARD W. ZIEGLER

SIGNATURE: 

# I SUPPORT KENNECOTT

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**I support the Cornerstone Project because:**

*THIS PROJECT WILL PROVIDE MANY YEARS OF STABLE  
EMPLOYMENT FOR UTAH WORKERS. THIS APPEARS TO  
BE A WIN-WIN PROJECT*

NAME: *ELLIS PIERCE*

SIGNATURE: *[Signature]*

# I SUPPORT KENNECOTT

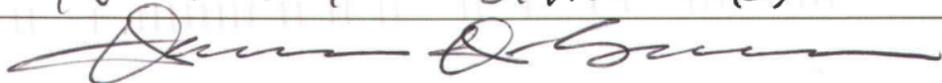
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**I support the Cornerstone Project because:**

*Kennecott is one of the most environmentally conscious companies in Utah, and this is one of the most important investments in future jobs that will ever be made here.*

NAME: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

*Harris H. Simmons*  


# I SUPPORT KENNECOTT

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## I support the Cornerstone Project because:

*From my experience of working at Kennecott for 23 yrs, I know that Kennecott will comply with all conditions of the Air Quality Permit. It will be good for Utah's Future!*

NAME: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

# I SUPPORT KENNECOTT

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**I support the Cornerstone Project because:** RIO Tinto is one of the very few companies I feel embodies quality leadership. This leadership encompasses honesty in its dealings, the highest responsibility with regard to our environment, and unsurpassed commitment to the general public and their communities. I have no doubts that they should be given the go ahead in their Cornerstone Project. I only wish there were more companies like them, RIO is a diamond among the rocks in corporations. These days that is hard to find!

NAME: Brook Barton

SIGNATURE: Brook A Barton

# I SUPPORT KENNECOTT

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**I support the Cornerstone Project because:**

*THE ECONOMIC BENEFITS FOR THOUSANDS OF FAMILIES  
IN THE VALLEY IS NECESSARY TO MAINTAIN A  
COMFORTABLE LIFESTYLE TO MANY*

NAME:

*ROBERT VIGIL*

SIGNATURE:

*Robert Vigil*

# I SUPPORT KENNECOTT

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## **I support the Cornerstone Project because:**

*I have worked at Kennecott's ENV. group in Air Quality for over 30 years and the improvements in Air Quality Control has been amazing. They truly make their best effort to comply.*

NAME: Art Fisher, INST. ENG., Kennecott Environmental

SIGNATURE: Art Fisher

# I SUPPORT KENNECOTT

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## **I support the Cornerstone Project because:**

*The expansion will be good for Salt Lake and Utah.  
Kennecott is a responsible business that regards the  
environment and community impact they make for the area.*

NAME: Jim Boyd

SIGNATURE: Jim Boyd

# I SUPPORT KENNECOTT

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## **I support the Cornerstone Project because:**

*I am employed by Kennecott and they treat me extremely well. I have seen first-hand Kennecott's commitment to environmental and social responsibility.*

NAME: VANIA GRANDI

SIGNATURE: *Van*

# I SUPPORT KENNECOTT

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## **I support the Cornerstone Project because:**

*Kennecott is a great place to work, but also because the products it will produce some much that not only helps the Utah valley but all of the U.S.*

NAME: T. J. Bronson

SIGNATURE: 

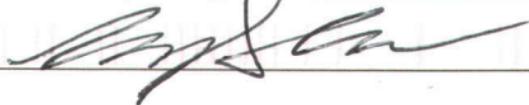
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## **I support the Cornerstone Project because:**

*I enjoy having the resources mined, harvested  
& processed for my living pleasures & recreational  
fun. How could someone be against Natural resources?*

NAME: *Brad Reeder*

SIGNATURE: 

# I SUPPORT KENNECOTT

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**I support the Cornerstone Project because:** *I believe it's imperative for the growth of Kennecott as well as the contribution to Salt Lake / Utah's economic environment. In the past Kennecott has followed the rules of the UT Air Quality Division and I believe they will continue to live up to their responsibilities. I support Kennecott in their expansion endeavors.*

NAME: \_\_\_\_\_

*Craig A. Mammals*

SIGNATURE: \_\_\_\_\_

*Craig Mammals*

# I SUPPORT KENNECOTT

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**I support the Cornerstone Project because:**

*Kennecott is and has always been environmentally sound. Utah's economy needs the money that this will generate. (Employees - Contractors - materials etc)*

NAME: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

# I SUPPORT KENNECOTT

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## **I support the Cornerstone Project because:**

*It means hundreds of jobs for Utahns and Kennecott is really trying to be a responsible employer regarding the environment.*

NAME: Jesse Roberts

SIGNATURE: Jesse RA

# I SUPPORT KENNECOTT

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**I support the Cornerstone Project because:**

*Kennecott Copper plays a substantial role in the state's economic viability. They are a responsible company who stands accountable for their actions. This is good for Utah!*

NAME: \_\_\_\_\_

*GARY LANGSTON*

SIGNATURE: \_\_\_\_\_

*Gary Langston*

# I SUPPORT KENNECOTT

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**I support the Cornerstone Project because:**

*THIS IS BETTER FOR UTAH*

NAME: *LEON NELSON*

SIGNATURE: 

# I SUPPORT KENNECOTT

I am in favor of the Utah Division of Air Quality issuing a timely permit and the Utah Air Quality Board approving a rule making (R307-110-17) to authorize a production increase at the Bingham Canyon Mine. I understand this project is out for public comment because Kennecott has fulfilled all regulatory requirements. The Cornerstone Project will make an important contribution to the community and I support timely regulatory approval.

## I support the Cornerstone Project because:

There are always trade-offs in life and this project is one of those times when the greater good will be served by approving this permit. Commodities like the ore at the Bingham Canyon Mine are a valuable resource & in limited supply in the USA. This is a way for Utah to contribute to the country.

NAME:

Barbara Brown

SIGNATURE:

Barbara Brown

# I SUPPORT KENNECOTT

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**I support the Cornerstone Project because:**

*Keeping the Bingham Canyon Mine sustainable creates thousands of jobs for the Salt Lake valley.*

NAME: \_\_\_\_\_

*Richard A. Hiler*

SIGNATURE: \_\_\_\_\_

*R. A. Hiler*

# I SUPPORT KENNECOTT

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**I support the Cornerstone Project because:**

*The state of Utah will benefit from the additional jobs, plus Kennecott supports a lot of the states schools, etc.*

NAME:

*Todd Timothy*

SIGNATURE:

*Todd Timothy*

# I SUPPORT KENNECOTT

*I am in favor of the Utah Division of Air Quality issuing a timely permit and the Utah Air Quality Board approving a rule making (R307-110-17) to authorize a production increase at the Bingham Canyon Mine. I understand this project is out for public comment because Kennecott has fulfilled all regulatory requirements. The Cornerstone Project will make an important contribution to the community and I support timely regulatory approval.*

## **I support the Cornerstone Project because:**

*I support Kennecott because I think they do the right thing.*

NAME: *Michelle Walker*

SIGNATURE: *Michelle Walker*

# I SUPPORT KENNECOTT

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**I support the Cornerstone Project because:**

*Kennecott & Rio Tinto have responsibly mined Utah's natural resources for many years. This is vital to Utah's economy.*

NAME: *Clay & Stephanie Collins*

SIGNATURE: *Clay Collins Stephanie Collins*

# I SUPPORT KENNECOTT

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**I support the Cornerstone Project because:**

*Jobs For The Future!*

NAME:

*Joseph R. Hicks*

SIGNATURE:

*Joseph R. Hicks*

# I SUPPORT KENNECOTT

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## **I support the Cornerstone Project because:**

It will create more job  
opportunities as well as more  
benefits for UT and SIC

NAME: Omara Carter

SIGNATURE: 

# I SUPPORT KENNECOTT

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**I support the Cornerstone Project because:**

It provides income to our community and Kennecott is a responsible company that take environmental concerns very seriously

NAME:

Mike Sorenson / Leona Sorensen

SIGNATURE:

Mike Sorenson / Leona Sorensen

# I SUPPORT KENNECOTT

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**I support the Cornerstone Project because:**

*It will extend the mine life  
which is a "wealth creator" for Utah*

NAME:

*KARL BURCH*

SIGNATURE:

*Karl Burch*

# I SUPPORT KENNECOTT

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**I support the Cornerstone Project because:**

*I think Kennecott is an important part of the Utah & Salt Lake City economy.*

NAME: *Ryan Oriatt*

SIGNATURE: *Ryan Oriatt*

# I SUPPORT KENNECOTT

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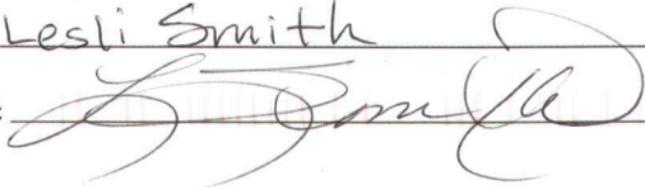
## **I support the Cornerstone Project because:**

*I would like to see the employment benefits generated continue for the long-term, which is good for Utah as a whole.*

NAME:

*Lesli Smith*

SIGNATURE:



# I SUPPORT KENNECOTT

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## **I support the Cornerstone Project because:**

*Kennecott is a pillar of strength in our community. They have proven that they are willing to do whatever it takes to keep dust & pollution down. We need this!!*

NAME: Johnny D. Roberts

SIGNATURE: Johnny D. Roberts