

**MINUTES OF THE**  
**CITY OF SANTA FE & SANTA FE COUNTY**  
**BUCKMAN DIRECT DIVERSION BOARD MEETING**

**February 4, 2010**

This meeting of the Santa Fe County/City Buckman Direct Diversion Board was called to order by Chair Rebecca Wurzburger at approximately 4:05 p.m. in the Santa Fe County Commission Chambers, Santa Fe, New Mexico.

Roll was called and the following members were present:

**BDD Members Present:**

Councilor Rebecca Wurzburger  
 Commissioner Virginia Vigil  
 Councilor Chris Calvert  
 Commissioner Liz Stefanics

**Member(s) Excused:**

Ms. Conci Bokum

**Others Present:**

Rick Carpenter, BDD Project Manager  
 Norm Gaume, BDD Project Consultant  
 Kyle Harwood, BDD Contract Attorney  
 Rachel Brown, County Deputy Attorney  
 Ted Apodaca, Assistant County Attorney  
 Marcos Martinez, Assistant City Attorney  
 Stephanie Lopez, City Public Utilities Division  
 Nancy Long BDD Contract Attorney  
 Lynn Komer, PR Team  
 Mark Ryan, CDM, BDD Board Engineer  
 Stephen Hoffman, CDM  
 Neva Van Peski, League of Women Voters  
 Patti Watson, Cooney Watson  
 George Rael, LANL Representative  
 Joni Arends, CCNS



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BUCKMAN DIRECT )  
 PAGES: 41 )

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**APPROVAL OF AGENDA**

*[Exhibit 1: Agenda]*

Upon motion by Councilor Calvert second by Commissioner Vigil the agenda was unanimously [3-0] approved as amended. [Commissioner Stefanics was not present for this action.]

**APPROVAL OF MINUTES: January 7, 2010**

Commissioner Vigil moved for approval of the minutes as published and Councilor Calvert seconded. The motion carried unanimously [3-0]. [Commissioner Stefanics was not present for this action.]

**APPROVAL OF CONSENT CALENDAR**

7. Project Manager's Monthly Project Exception Report. (Rick Carpenter)
8. **Update on Financial Status of Professional and Legal BDD Contracts. (Rick Carpenter)**
9. **Public Relations Report for January 2009. (Patti Watson and Lynn Pitcher)**
10. **Request for Approval of a Professional Services Agreement between the Buckman Direct Diversion Board and Norman Gaume, P.E. (Rick Carpenter)**

Councilor Calvert requested the removal of item seven and moved for approval as amended. His motion was seconded by Commissioner Vigil and the consent agenda as amended was passed by unanimous [4-0] voice vote.

7. **Project Manager's Monthly Project Exception Report. (Rick Carpenter)**

COUNCILOR CALVERT: Rick, number one on the project concerns, it says that we're – that this could be a significant credit in the hundreds of thousands of dollars. It says that the BDD is looking for available staff to handle this voluminous application which will take significant time to complete. I'm wondering what kind of time crunch and if we're talking about hundreds of thousands of dollars that we don't just make sure that we get somebody whether we have to contract with them to spend pennies to make dollars.

MR. CARPENTER: Madam Chair, Councilor Calvert, good point. I've met with the Water Division Director and we essential have staff on board. We'd have to pull them off of other projects. We're not out of time yet but we could run out of time if we don't do something. I approached the project engineer, CDM, to see if they had engineers on staff that could do this in short order and they do. They are highly specialized in this field and so my suggestion would be to issue a change order that would

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be about 10 days or two weeks worth of work for CDM to do this at the March Board meeting to get this done. It will be hundreds of thousands of dollars in credit.

COUNCILOR CALVERT: Is there a risk that we may not get it?

MR. CARPENTER: No as long as we do the work that is required to be done.

COUNCILOR CALVERT: Thank you, I appreciate that. On the previous issues of going through these a little bit I'm not sure that I saw – the installing of licensed frequency system; we're going to install a licensed but now they think they have to do a license for it which means somewhere around \$150,000. Is this something – this seems like a fairly significant expense for what we need. Is there no other alternative and was this not assessed upfront or ascertained that this might be a problem?

MR. CARPENTER: Madam Chair, Councilor Calvert, it was assessed up front but we didn't have all the pieces to the puzzle until recently. We could go for a while without a licensed frequency but an unlicensed frequency would become unreliable through time. It's pretty critical telemetry and communications systems – and the only way to insure against that is to get our own license.

COUNCILOR CALVERT: It seems like that should have come up or come out earlier if this was that critical and we were going to have to be concerned about the unreliable or unlicensed frequency.

MR. CARPENTER: We were hoping not to have to do this.

COUNCILOR CALVERT: There's a lot of things I hope to not have to do but –

MR. CARPENTER: And rather than to bring it before the Board when it was uncertain we worked through all the variables and the unknowns and now we know more. So we're saying to the Board that this is likely going to have to happen.

CHAIR WURZBURGER: And this will be on the March agenda?

MR. CARPENTER: It doesn't have to be. We've got a little bit of time on this too.

COUNCILOR CALVERT: And, number two, I don't know if we're going to get into this but the final statement that this is proposed as a BDD project component and it is likely that a change order – and I guess I don't follow all of that rationale.

MR. CARPENTER: Madam Chair, Councilor Calvert, this is a pretty complex topic and I'll try to summarize it as best I can.

The pipeline that would extend from booster station three to booster station 4 in order to serve Las Campanas is between the County and Las Campanas. However, there are questions about how big that pipe should be, what its functionality should be, should it be only related to serving Las Campanas. There are some engineering constraints or at least considerations on how the pipeline size and how it necessarily gets tied into City infrastructure: it will moving BDD water. It could be upsized. The County is proposing to upsize it to I think maybe 24 inches so that the City could participate in using this pipe. It's a very good idea for the City to be able to do that. It would mean a lot more water, a lot more functionality, a lot more flexibility not only with the Buckman Direct Diversion project but also the Buckman Wellfield. Therefore, staff, our engineers and our consultants given all of that feel that it would make more sense then to continue on that

road, and it would simply become the Buckman Direct Diversion project component as opposed to a County-only pipeline.

The County is proposes that the Buckman Direct Diversion design-build contractor build the pipe anyway. So, I think that this sentence should be worded a little more loosely, in that it could be proposed to be a BDD project component but it is not being proposed as such now.

COUNCILOR CALVERT: I understand what you're saying and that with the modifications you're saying that there will be benefit to both entities presumably. I guess my question would be, would that benefit equally and would it be cost shared if it became [inaudible] and those are my questions.

MR. CARPENTER: Madam Chair, not only would it benefit the City and the County but it would benefit along with those individual institutes – because this project is integrally linked and it would be a lot easier for everybody if it were just part of the project and as far as cost sharing and fees and how much those are things that would have to be worked out. If the cost sharing provisions are currently in their governmental agreements aren't appropriately then maybe some adjustments could be made.

CHAIR WURZBURGER: Rick, I'm going to suggest since this is coming back to us that the questions have been raised and that you address those as we go forward. Did you have something else, Councilor?

COUNCILOR CALVERT: No, I just wondered since these were previously issues I wanted to make sure that we addressed it and that staff have our concerns about them as we move forward.

Councilor Calvert moved to approve item seven and Commissioner Vigil seconded. The motion passed by unanimous voice vote.

### **MATTERS FROM STAFF**

MR. CARPENTER: Madam Chair, just very briefly, we have had our issues with PNM along with this project for several years. I just wanted to report out to the Board that lately we have had some very positive meetings with both PNM staff and engineers on the ground as well as their upper management in regards to timing for intersection and the upgrades to substations that are going to be addressed by PNM through what they agreed to do what they're calling "roll to mobile" which is rolling out a mobile unit which will bridge the gap between the scheduling issues we may or may not have. At least we will have that backup source available to us. We just had a conference call on that last evening and it went very well.

CHAIR WURZBURGER: Rick, that reminds me that I left you a message about someone from PNM that wanted to discuss something with me that I preferred that you discuss with them; did you get that message?

MR. CARPENTER: I did and I returned her call and we exchanged voice mail.

CHAIR WURZBURGER: Thank you.

## **DISCUSSION AND ACTION ITEMS**

### **10. Discussion and Request for Approval of the BDD Staffing and Training Program [Exhibit 2: Staffing and Training Plan Summary 2/3/10]**

MR. CARPENTER: Thank you, Madam Chair and members of the Board, in July 2009 this Board gave direction to staff to abandon its plans to hire operating company to run the Buckman Direct Diversion project and instead begin in earnest to develop a staffing, training, certification, hiring, retention plan. It's very complicated. But we did begin with that. We brought the conceptual strategy back to the Board in August which the Board accepted, again, in November not only the strategy but an organizational chart with the staffing training conceptual plan in draft form and the Board approved that as well. Since then we have been working hard to develop all the details that that would include and also we've been cultivating our relationship with all the partners that we'll need in order to pull this off, including the design-build contractor, the Board engineer, CDM, Doña Ana Branch Community College, Santa Fe Community College, New Mexico Environment Department and the City in the form of its HR Department and also the union. So we've done that and in your packet then is the org track that the Board has seen and approved. There is a very very tight schedule that almost no float in it. There is a summary of each of the jobs that are included in this and before you in hard copy form is a summary of the staffing plan itself.

Staff is requesting – and nothing has changed by the way since we been bringing this to you in draft form this is just more detail. We finally have something that we think the Board can act on and in fact set out this as a request that the Board act on this so that we can begin the City Council process in getting these 31 new positions created and funded. We must begin recruiting as soon as we can and get everyone on board and begin their training in September.

CHAIR WURZBURGER: Okay, I'll open for questions. Councilor.

COUNCILOR CALVERT: Just for clarification on the org chart, you've listed an attachment that of the BDD Chief Operator; is that the BDD operations supervisor, is that the same person?

NORM GAUME (BDDDB contract engineer): Madam Chair, Councilor Calvert, they are the same person.

COUNCILOR CALVERT: And then on the flow chart, the program schedule, was that period beginning with January before staff is completely trained and then we're doing the – the owners' contractor is doing acceptance testing – so are they going to be providing the personnel that is going to be doing that; is that part of the existing budget?

MR. CARPENTER: Good question, Councilor. That's what we're calling the pre-acceptance testing warm-up period or PATWU for an acronym; we brought that concept to the Board last month. The way that that is going to work is that our in-class training period will begin in October. It's a seven month period in total. Our people will be in the classroom fulltime for those three months, October, November and December. January the contractor will begin to gradually warm-up the project and gradually run it through its paces and work out the bugs.

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COUNCILOR CALVERT: With what personnel?

MR. CARPENTER: With their own personnel with money that is either entirely or almost entirely currently in the contract. But our people having gone through three months of classroom work and needing some on-the-job-training will shadow their people for those four months through – well, until April. When April begins the contractor begins acceptance testing and has a month to prove up that test to us. If they successfully pass that testing then we accept the plant in May.

COUNCILOR CALVERT: Okay. So our contractor will be essentially running the system through its paces and at the same time probably sort of instructing or telling people what he's doing so that they understand their classroom training and how it's applied here. That's the idea?

MR. CARPENTER: Yes.

COUNCILOR CALVERT: Okay, and then at some point and hopefully in that process they will be doing more hands-on and less observing. In other words, transitioning through that period as they're going through their phases.

MR. CARPENTER: It depends on what you mean by "hands-on". The contractor is responsible and it is still his project so the contractor is not going to want other people actually running the facility but observing and when there's a problem, how those problems are worked out. But our people can't actually be producing water if we haven't accepted the plant yet.

COUNCILOR CALVERT: They can't be – the guy who is running it can't say, 'Okay, now what would you do here or what is your next step here?'

MR. CARPENTER: That's part of it and we totally expect that to happen.

COUNCILOR CALVERT: Okay. I'm a little concerned that when we take over if they haven't had any of that hands-on – that's you know, having actually turned the knobbed, pushed the button, flipped the switch or whatever is required, you know –

MR. CARPENTER: Councilor, we expect to have them as involved as they absolutely can be and passed the tests at the end of all of this as well that show that they're competent.

MR. GAUME: May I add to that answer, Councilor?

COUNCILOR CALVERT: Sure.

MR. GAUME: The training program will continue formally through that period of time and the instruction during that period of time will be constructors guiding our operators through a critique of how the design-build contractor is operating and an analysis and doing all math and it will be highly structured.

COUNCILOR CALVERT: Would there be any form of simulation or will they be strictly in the real world observing and trying to construct on that mode?

MR. GAUME: They will be observing the real world and they won't get their chance to be the real world until this Board and the City and County own the facility, which will be after acceptance testing.

COUNCILOR CALVERT: Okay, and I know this is more longer term with everybody focused on the task at hand and I appreciate that but longer term we're relying on Doña Ana for most of the group and we're only getting a little bit from the community college. Hopefully, maybe, we can instill something with the community college in the higher learning center or something like that to do more here locally. –

nothing against Doña Ana, I appreciate whatever they're doing but I think we're going to have a lot more need for personnel training because we're going to have two water treatment facilities plus our wastewater facility and there's going to be some of the same personnel and requirements for all three of those locations.

MR. CARPENTER: Madam Chair, could I respond to that? Councilor, you have hit the nail on the head. That was one of the major topics of discussion just this morning with Santa Fe Community College. There will be intricately involved perhaps more than we thought they could be the last time we put this forth. They will be, we believe, we hope to bring a contract to this board next month for approval with Santa Fe Community College where we're laying out specific what their scope of work is and the goals and responsibilities but we think that they will be intricately involved in developing curriculum, helping the trainees, providing basic education, perhaps providing the location for distance learning whether that's the Doña Ana branch in conjunction with Santa Fe Community College – we hope Santa Fe Community College will also be doing something for us called “work keys” which assesses individual's aptitudes and level of scopes coming in and we can probably place them and that's at a minimum because that's what we need right now.

There's also a bigger picture in the longer term that we've discussed with them to get them even more involved not only in training for the Buckman Direct Diversion project but as you mentioned for the Canyon Road water treatment plant and the water condition as a whole perhaps even through the public utilities department. And, perhaps even reaching out to the high schools and getting a pre-program getting people involved in the – so, yes, we believe that they will be very much involved and probably more involved as time goes on.

CHAIR WURZBURGER: Thank you. Commissioner.

COMMISSIONER STEFANICS: Thank you. One of the questions I had was around Santa Fe Community College's role so I believe that you answered many of those roles. And you indicated that you would be bringing something to us at the next meeting to more clearly define that.

MR. CARPENTER: Madam Chair, Commissioner, that is my intent. We hope to negotiate a contract or an agreement with Santa Fe Community College in the next few weeks.

COMMISSIONER STEFANICS: Okay, Madam Chair, then back on the earlier questions of Councilor Calvert, I'm going back to the training of these individuals, for example, when individuals are apprentices they have a long learning period because they also have hands-on work under this provision. Are you indicating that our trainees and employees are not going to have the hands-on training by the supervisors of the contractor rather than just the training and then they'll be left on their own once the contract ends?

MR. CARPENTER: During the pre-acceptance warm-up period the contractor will be in place and on board and actually producing water with our people shadowing them and essentially receiving on the job training. We'll also have our trainer that's part of the staffing plan that will be there permanently long after the contractor is gone and our own supervisors that will have gone through this training and the CDM people will be around as well.

The whole idea is that sooner or later we're going have to accept the plant to run it so the better we can transition our people to be able to do that and that's the goal. I'm not sure if I'm answering your question, but that's what we're envisioning as part of the program.

CHAIR WURZBURGER: May I answer since my dissertation was on technology transfer and it builds on this point that one model and perhaps I should say I assumed we were doing this that there's the legal issue of they're in charge, it's their water system, they turn it over to us; is there any reason that there's not follow up technical assistance and support for a month where we are hands-on or whatever? Even if we're hands-on but they're still in the room or they're shadowing our people – or is it your assumption that our trainers, who may or may not have had hands-on, are going to be ready to do that?

MR. CARPENTER: The Board engineer, CDM, I believe has funding in their contract and Mark maybe you could help me out with this for 1.5 or 2 full-time positions for a year?

MARK RYAN (CDM): Six months before.

MR. CARPENTER: Yes, six months before and after we take over operation of the plant.

COMMISSIONER STEFANICS: That answers my questions, thank you.

MR. CARPENTER: Madam Chair, real quickly if I could. I also wanted to introduce Mr. Steve Hoffman with CDM. Steve is a specialist in training and certification and he has been brought out here full time to design the rest of this program and get it up to speed and help us after the acceptance portion.

CHAIR WURZBURGER: Welcome.

MR. CARPENTER: Steve, did you want to saying anything?

STEVE HOFFMAN (CDM): Yes, thanks. Madam Chair, Commissioners, I appreciate the opportunity to work for the Board and this is what I do full time for CDM for many years. I am a certified operator as well in water and wastewater. As far as program design, I will be working with your other partners, community colleges and design-build contractor to put together a cohesive program that includes both classroom and hands-on training. We do intend to really run the staff through the paces of running this plant before they are expected to take it over. Thank you very much.

CHAIR WURZBURGER: And, are you new to Santa Fe?

MR. HOFFMAN: Yes, ma'am.

CHAIR WURZBURGER: Welcome.

Cc moved to approve the BDD Staffing and Training Program. His motion was seconded by vv and passed by unanimous [4-0] voice vote.

## **11. Discussion and Request for Approval of FY10/11 Operating Budget**

MR. CARPENTER: Thank you, Madam Chair. This item also is on a short timeline. First of all because intergovernmental agreements require that we bring as a fiscal agent/project manager an annual updated budget to this Board each year for approval. It's time for that. But also embedded in this budget is the funding for the



training and hiring program that we just discussed. We need this budget approved in order to go ahead and implement the training and hiring that we so desperately need to get to work on. Beyond that you'll see some summary pages of the budget in your packet. They are just that, summary pages.

I'm very pleased and working very long and hard with others, Meyners & Company on this budget. In my opinion it's a very sound budget. Each of the categories are summarized in those core sheets have detailed spreadsheets and calculations that support them.

CHAIR WURZBURGER: Which you are happy to go over individually with anyone on this Board that would like to do that.

MR. CARPENTER: Yes, I would be more than happy to answer any questions today. And, by the way, Angela Anderson is here at the podium if you have questions now if you would like for us to meet individually with members of this Board later we would be more than happy to do that as well.

There is a lot that went into this budget. It's very comprehensive and we think it's a very sound budget.

CHAIR WURZBURGER: Angela, did you want to say something before we open for questions?

ANGELA ANDERSON (Meyners & Company): Absolutely.

CHAIR WURZBURGER: Welcome.

MS. ANDERSON: Thank you very much. Madam Chair and member of the Board, just to start out with, this operating budget was a little difficult for them to put together. Normally you would have the ability to look backwards and to say how it is that we have operated. We did not have that in this case. We are operating on assumptions that were reasonable based on other facilities that were like your facility that were in a 15-MDG range. We also looked at Canyon Road and what is it that Canyon Road is experiencing in some of these categories where it made sense.

The largest item from this budget, is the salary. We worked with City personnel, Gary Barlett, and each position was given a salary assessment to come up with exactly what operates per hour for that fee. We looked at those salary levels and this is all budgeted in the midpoint. These are midpoint. Some people will come in at higher than midpoint and some will come in at lower the midpoint. But they are budgeted at midpoint. In addition to that, the electrical load model, we worked very closely with CDM where they put together the electrical load model that allowed us to understand exactly what the pumps and propellers would – what the electrical load would be on a kilowatt hour. We then looked to PNM for the rate that we are currently with PNM, the 11-B rate, and determined how much off-peak and on-peak power we were going to be at to come up with an average rate per hour. In addition to that, we worked closely with CDM for the chemical model as well as the solid transportation model. Certainly because of the water quality of the river it is a different model for each of those times periods. In other words, when the river is higher in its solid content, the cost of dealing with those solids as well as treating that water quality impacts the budget fairly significantly. It's one of the reasons that inside of our budget not only does every number have something, some calculations supporting that and assumptions behind it, where we could we went out to third parties to understand exactly what those costs would

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be. But in addition to that we had to really budget this monthly because of that different water quality.

CHAIR WURZBURGER: Okay, thank you. I'll open for questions. Yes, Commissioner.

COMMISSIONER STEFANICS: Madam Chair, I understand for budgeting purposes starting or putting salaries in at midpoint so that you can cover the range but I also see here an assumption of a 10 percent increase in FY12 once all operators have achieved certification. I'm wondering if we have had a discussion I mean this is a philosophic or policy issue about when we bring people on, whether we are looking at in times of, well, in our current economic situation whether we are looking at bringing people on at a midpoint when those around them working for a city or county would not be achieving midpoint or 10 percent increases.

CHAIR WURZBURGER: Rick, do you want to answer that?

MR. CARPENTER: Our answer would be that we want to bring to the Board a fairly conservative budget for budgeting purposes. As we move through this project and we learn more [inaudible] what you describe is very likely more realistic.

COMMISSIONER STEFANICS: Okay, well, Madam Chair, I just was in another situation with the Board where we had to discuss this at great length of what pay ranges and bands et cetera for employees of the Regional Transportation District should encompass. And, of course, these are individuals from lots of different cities and counties and we had a lengthy discussion about what message we send out. Of course we want very educated people. We want people who can do that job and that's not to say that we wouldn't strive for that. But I think that when the time comes we might want to send a message to the staff managers who are hiring about what it is we wish in terms of the overall budget and that approving a budget today doesn't necessarily say to bring everybody in at the top of the tower.

MS. ANDERSON: And it certainly wasn't intended to be that way. I mean, budgeting at midpoint we do recognize that there are going to be varying skill sets and certifications out there and based on that level it will determine where they're at inside of the pay grade. It's hard to tell exactly what they're going to find so we just felt that budgeting at midpoint was the most conservative and most appropriate with what we know today.

COMMISSIONER STEFANICS: Okay. Thank you, Madam Chair.

CHAIR WURZBURGER: You're welcome. Yes, Commissioner.

COMMISSIONER VIGIL: I have an overriding question. Mr. Carpenter, does this stay within our projected budget?

MR. CARPENTER: Madam Chair, Commissioner, yes, yes. We don't have an operating budget to stay within but as far as financial planning with the City and our financial plan this is in line with what we had contemplated. And, it's, again, pretty conservative. I think we have thought of everything but I think we need to go through a year and see exactly how things shake out. But it's about what we had been planning on.

COMMISSIONER VIGIL: Okay, thank you.

MS. ANDERSON: I do want to point out and just so that the Board understands that this operating budget, operating maintenance and repairs. If you look at the facility's operational procedural agreement it talks about operation and talks about OMR&R, the second R being replacement. The operating budget in front of you did not

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consider replacement. We have calculated that and we expect replacement for fiscal year 2012 to be about \$627,000 that we would recommend that you put aside in a sinking fund for those purposes.

So I just wanted to point out that this operating budget is for operations and not, does not include that number for replacement/future replacement.

MR. CARPENTER: Madam Chair, there's also required to establish an emergency fund. That's in the intergovernmental agreements. So we'll be coming back to the Board, it's ultimately we can make a recommendation but ultimately it's a policy decision on how much emergency money –

CHAIR WURZBURGER: At what level we want that.

MR. CARPENTER: Yes, and under what circumstances that money can be accessed. Should we establish a sinking fund – and that's an important distinction that this is the operations and maintenance and repair budget.

CHAIR WURZBURGER: Thank you for that clarification. Councilor Calvert.

COUNCILOR CALVERT: On Commissioner Stefanics' question or concern, I mean I know we have to set – the RFP stated that operators at Buckman will be a step above, I guess is the way it was put, operators at the current Canyon Road treatment plant; correct? I mean, is that the cost of the work at a higher level?

MR. CARPENTER: Madam Chair, Councilor, I think conceptually that is stated correctly but if I could refine it a little bit. Because the Buckman Direct Diversion project is what I call state-of-art and certainly an advanced treatment facility it doesn't really compare to Canyon Road. It's much more advanced and therefore we are requiring that anybody who works at this plant go through our own training and certification program that we have designed specifically for this plant. So they will be additionally qualified, trained and certified. Because we are putting those additional requirements on these people we have been discussing with the HR Department and we'll discuss with the council the potential and the efficacy frankly of compensating these people appropriately.

COUNCILOR CALVERT: Right, so that's what that step, the one step or one level, however you want to categorize it above the equivalent position. Say, category 4 in Buckman with – was above –

MR. CARPENTER: Yes, some increment above.

COUNCILOR CALVERT: And I understand that especially if we intend to but to actually get some of that personnel to transfer for. It's a delicate balance of getting some and not all, I understand that. But that being said, with Commissioner Stefanics' concern and I know their current salary and range will come into play but do we want at that higher step or level do we want to start them at the mid-level because they will be brand new at that position with those responsibilities? I mean I guess that's what I'm saying. I think that how we have to balance but they will be brand new at those new responsibilities, so bringing them in at the midpoint and I know you're not talking about doing that across the board but I'm just saying for those particular positions that they will be brand new with those responsibilities so bringing them all in at that midpoint of that higher step is – well, I don't know but it is something that we need to think about.

MR. CARPENTER: We do and we have. We have had those discussions and also not all of the employees, in fact most, many won't come from within but come

from elsewhere and maybe they do come in at a midpoint because of their qualifications. But, yes, it is something that we talk about a lot and we will be working through that.

COUNCILOR CALVERT: Yes, and especially to the extent that we're basically training people who have never operated such equipment in the past. I guess that would be more specific to my comment.

MR. CARPENTER: It's a good point and well taken.

COUNCILOR CALVERT: You handed out this sheet [*not made available for this record*] and how does this relate to what was provided in the packet?

MR. CARPENTER: Madam Chair, I should have made that distinction early on. The act that staff is requesting is on the FY10-11 operating budget. Those are the summary sheets that are in your packet. What has been handed out to is something that we're also required to do in the intergovernmental agreements which is a five-year projected budget. When we were putting the FOPA and the PMSFA, Mr. Ross and Mr. Harwood and others were concerned that for budgeting purposes within the individual parties, the City and County, were able to look out five years from now to see what this project is going to cost. So this is our attempt to signal to the City and the County what we feel the next five years following FY10/11 will look like and those will be the first full years FY10/11. But we don't need action on that. That is just something that we're required to do for information for this Board and for the City and the County.

COUNCILOR CALVERT: Thank you.

CHAIR WURZBURGER: I just want to weigh in on the discussion about midpoint. I'm very comfortable with your selection of that. I would personally feel much better even though I am a major proponent of local hires if we had somebody in the country or from wherever who was a super, super person and had run something just like that. I would just love to pay them above the midpoint if we were able to get them here. So I don't think that anyone is implying that we wouldn't but I just wanted to get that in the record as at least direction from the Chair that we want to explore this option. And for budgeting purposes, I'm certainly comfortable within that range.

Is there any further discussion? Yes, ma'am.

COMMISSIONER STEFANICS: Madam Chair, just after a sidebar with Commissioner Vigil, I wanted to make sure that the budget development projects is meeting our intergovernmental agreement or MOU between the City and the County and that Teresa Martinez, our finance manager, has been involved in the process.

MS. ANDERSON: I can answer that, Rick. Teresita has been involved in part of this process of developing the budget and we looked at the agreement to insure that this budget was in alignment with those agreements. One of the items that you'll see is the different cost-sharing principle between fixed and variable costs and whether it's the shared facility or it's a County facility. But before we issued this budget Teresita was there along with Brian Snyder to insure that –

CHAIR WURZBURGER: I think we have some confusion in names. The question was with respect to County finance manager Teresa Martinez. So has the County – has Teresa seen the budget?

MR. CARPENTER: Madam Chair, Angela is not familiar with Teresa Martinez. Teresa Martinez I don't believe has seen this operating budget. We have weekly meetings every Monday from 3 to 5 on this budget and other related fiscal

accounting matters. Teresita had her staff are invited from the City side and Teresa has been to some meetings. She has not been regular.

COMMISSIONER STEFANICS: So Madam Chair and Rick we can take it then that Teresa from the County has not seen this proposed budget that we're about to approve to verify that the county has the right numbers for the County's commitment. We're in our budget review process and this is very timely that we're discussing this.

CHAIR WURZBURGER: Madam Chair, any numbers that we plugged into this budget are not numbers that we came up with. We went to County staff to get them. They have been provided to us by Doug Sayre and people in his staff and presumably from Teresa to the extent that she wants to participate. She has not seen this budget as far as I know.

CHAIR WURZBURGER: Okay, can I make a suggestion so that we can move the agenda along and be responsive to Commissioner Stefanics' question. We have to take this budget to four levels of the City and I'm wondering if you from the County would be comfortable with a motion to move it forward knowing that input could come in from the County as we go forward to the three committees.

We approve the budget so it doesn't go through the County process instead of BDD, so because of the time constraints that we're under, because what you didn't say Rick, I don't think, is that we cannot move forward with recruitment until we have the budget. So unless there are major concerns with this budget other than the fact that Teresa has not seen, and I'm not minimizing that, I would request a motion that would move this forward but with a stipulation that she can review it.

COMMISSIONER VIGIL: I make that motion and the stipulation that she can review it and if there are any additions or corrections that the County needs to make that it will be made through the progress that goes through within the City and it comes back to us for final review if necessary.

COUNCILOR CALVERT: I'll second that.

CHAIR WURZBURGER: Further discussion.

COUNCILOR CALVERT: And I would say that by the time this goes through the various City processes will we have another Buckman Board meeting, that's my question? Will that all occur before the next meeting?

CHAIR WURZBURGER: Madam Chair, Councilor Calvert, this is to go to the committee process and then to the City Council process and we will have a Buckman Direct Diversion Board meeting in the middle of that process.

COUNCILOR CALVERT: Okay, so we'll still get an opportunity to –

COMMISSIONER STEFANICS: I'll be voting no on this. I think that there's a major issue here about the County's participation and I'm sorry that the County was lax on this but as a County Commissioner without our finance manager indicating that the numbers are fine and that we can take on our responsibility I cannot vote for it.

CHAIR WURZBURGER: Okay.

KYLE HARWOOD (BDD Board Counsel): I just want to correct one comment that was made earlier. The City/County Joint Powers Agreement does require the budget to go to the full City and County process.

CHAIR WURZBURGER: Okay, that's good.

MR. HARWOOD: So that will be going through the JPA.

COMMISSIONER VIGIL: So I guess what we're doing is approving this in concept but not in final number approval/numeric approval.

CHAIR WURZBURGER: We'll put this on the agenda for the next meeting for final approval and then I will hope it has gone through the County process and we will take it through our process. So that then is the essence of the motion at this point. Further discussion?

The motion passed by majority [3-1] voice vote with Commissioner Stefanics casting the dissenting vote.

**12. Discussion and Request for Approval of a Budget Adjustment Request, based on the BDD Board's Recommended Operating Budget) to the BDD Project FY 09/10 Operations Budget**

MR. CARPENTER: Thank you, Madam Chair. In August 2009, staff brought you a budget adjustment request to begin the hiring process for the five most critical positions that we identified at that time requesting funding for those positions. That was approved. Since then, however, we have identified several other key positions that need to be moving forward and also learned – which we didn't know at that time – that even to simply advertise for any of these positions that we'll begin advertising for very soon before the next fiscal year, we've got to have a budget in place, approved, to not just hire these people but to advertise the positions. We also miscalculated some of the benefits in the last time through on this so staff is back requesting a budget adjustment request.

The original request was for \$166,710 and that was corrected and should now be \$275,432.88. So the difference is \$108,722.88 and that is the amount of the budget adjustment request that staff is requesting. It's also within what was originally contemplated in the budget. We just didn't ask for enough the first time.

CHAIR WURZBURGER: Thank you. Questions?

COMMISSIONER STEFANICS: I'll move approval.

COUNCILOR CALVERT: Second.

The motion passed by unanimous [4-0] voice vote.

**13. Discussion and Possible Approval on Change Order No. 12 to the Design-Build Contract for Additional Interior Metal Wall Liner Panels for Select Pre-Engineered Buildings in the Amount of \$66,008.93. Exclusive of NMGRT**

MR. CARPENTER: Thank you, Madam Chair. I'm sure that at least some of the members on this Board require some of the difficulty –

CHAIR WURZBURGER: Recall not require.

MR. CARPENTER: Oh, yes, recall. [laughter] Yes, recall that the bids came in considerably above what we felt that our budget was and we went through a fairly painful negotiation process trimming off every piece of excess we possibly could

think of. One of the things that carved out of that was metal liner panels on the inside of the walls of some of the buildings at the water treatment plant site. Those building are now up and the insulation on those walls is up and we've seen what it looks like and we're not happy with it all. I've seen it, some of our other operations staff have been in there and have cautioned that that is something we should not have done. That without metal liner panels protecting that insulation it's going to become damaged and be a maintenance nightmare. The durability and longevity of that insulation and the wall as a whole will be degraded.

Therefore, we are recommending that we put in some selected areas some additional metal liner panels to cover up that insulation.

CHAIR WURZBURGER: Okay. Are there any questions?

COMMISSIONER VIGIL: Move to approve.

COUNCILOR CALVERT: Second.

CHAIR WURZBURGER: So nobody wants to know who had that good idea in the first place? Any further discussion?

The motion passed by unanimous [4-0] voice vote.

14. **Request for Approval of Amendment No. 2 to the Professional Services Agreement Between the Buckman Direct Diversion Board and Meyners & Company for the Provision of Professional Financial and Accounting Work for the BDD Project for the Amount of \$215,500.00 Exclusive of NMGRT**

MR. CARPENTER: Some months ago the Board approved a base contract with Meyners & Company in the amount of \$34,500 to develop what we're calling the work plan which outlines basically a scope and the components within that scope of work to do all of the accounting and financial work that this project meets the operations budget which you just you just discussed the capital budget, the cost accounting system, the training and transition of that system to City staff and so on. Subsequent to that there was one amendment for \$35,000 for them to develop the operating budget that we just discussed and that was on a very fast track.

What's before you today is an amendment to that base contract to perform those work items that the base contract contemplated in the first place. It's for \$215,500 and is very close to what we had originally contemplated this total contract would be. There's a lot to it as I've said. I think we are desperately in need of the kind of professional accounting services that Meyners brings to the table as evidenced by the quality of their operations budget. So staff is requesting approval of this amendment.

CHAIR WURZBURGER: Okay, questions from the committee?

COMMISSIONER VIGIL: Rick, would you explain to me on the last item what a "blended hourly rate" is on amendment number two? That would be page three of the contract.

MS. ANDERSON: Yes, I could go ahead and take that. Inside of Meyners & Company we have different levels that will be working on this project and that by the end of the day we will be charging \$175 an hour for the work that is being done regardless of level.

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COMMISSIONER VIGIL: I guess what's confusing, if you might clarify, is that in that statement "blended hourly rate of \$175 including all expenses up to a total of \$215,500." So that's the maximum.

MS. ANDERSON: That's the maximum and we cannot go above \$175 an hour or \$215,500.

COMMISSIONER VIGIL: I need some justification for what you say is the blended hourly rate; it is the consistent and ongoing hourly rate.

MS. ANDERSON: Sure, that would be fine.

COMMISSIONER VIGIL: So at no point in time, this is for the record, at no point in time will you be charging any less than \$175 per hour.

MS. ANDERSON: Or more than \$175 an hour.

CHAIR WURZBURGER: I've just never heard a contract like this that you have one rate so that if you have an administrative assistant you're paying \$25 and if that person works one hours you're billing us \$175 on the assumption that you have people that are billing \$500 an hour?

MS. ANDERSON: Our rates range from \$90 an hour to \$290 an hour. Most of the people who are assigned to this contract usually bill out greater than \$200 an hour.

CHAIR WURZBURGER: So when we get a bill does it show that we had high-level people or do we just get an hourly? I'm personally uncomfortable with this so I should defer to the committee. If it were five years from now maybe I would feel more comfortable knowing how people are now with respect to work and the economy.

COUNCILOR CALVERT: Did I hear you correctly that the hourly rate would not exceed \$175 per hour?

MS. ANDERSON: That is correct; will not exceed \$175 an hour.

COUNCILOR CALVERT: Staff, do we think that that's a good deal in terms of that they have \$90 to \$290 or do you think we're going to get more \$290s than \$90 for our support?

MR. CARPENTER: Madam Chair, Councilor Calvert, the blended average of \$175 is probably a pretty good rate for the specialized nature of these services. If you want to call them an average – if the concern is that most of the people who will be working on this project are well below \$175 that's not the case as it has been represented to us by Meyners & Company. They would be upper level in excess of this amount, so this is just a guess and an average.

I think that maybe we could request that on billings that we see hours worked by individual people so we know who is working on the project.

CHAIR WURZBURGER: I guess in terms of even approving this contract – sorry we didn't get to read it, but I would be more comfortable even in this stage of the process if we had – normally in a contract you get a range of who may be working and what their rates are and what their expected hours are. I think we did that with the CDM contract, we had some kind of presentation on that. And right now this contract doesn't do that at all; correct?

MS. ANDERSON: Madam Chair, inside of our proposal our original proposal to you we looked – our proposal said that it would be at \$175 an hour and so we honored that. The intention of this would be a time and billing contract, however, the



people we have assigned to this are definitely over \$175 an hour. In fact, every person that we have on this engagement so far has been greater than \$175.

CHAIR WURZBURGER: I have another question. This started off as a planning contract; right? The original contract was to do the plans, the scope of work.

MR. CARPENTER: That's correct.

CHAIR WURZBURGER: And then we've immediately gone to a sole source. They've already scoped the work and now they're the only bidder; there is no other bidder. Was that inherent in the original contract?

MR. CARPENTER: The concept is that the original contract, this is still the original contract, but that it was a base contract to develop this work plan. So it's not really a sole source on a separate contract or anything like that. This is what had been contemplated all along. This is what we asked them to do and basically I think conceptually approved one when we approved the \$35,000 to develop the work plan and just coming back to doing what the Board asked them to do, and they're giving us a price now for that.

CHAIR WURZBURGER: Okay. Councilor Calvert.

COUNCILOR CALVERT: I think sometimes we can be too questioning. We might be questioning ourselves right out of a better deal here and I understand that. I don't know whether the contractor would be willing to provide some of that reassuring detail as the project goes on as to who gets, who's really working on it and what their normal hourly rate is.

MR. CARPENTER: They are willing to do that.

COUNCILOR CALVERT: In that case, I would move for approval because I think we're probably on balance. It sounds like they didn't necessarily think that this was going to be the way it was going to work but they have agreed to move forward based on that. I think we're probably going to get on average a better deal than we would if we asked for it to be billed hourly based on who was actually working on it.

CHAIR WURZBURGER: I think asking for that clarification is appropriate and I will say that in my prior meeting with staff, prior to this meeting, I was assured that they did negotiate the amount of the contract. We have been pushing that at the City, that any contract is negotiated should be negotiated further down.

Okay, so was that a motion?

COUNCILOR CALVERT: Yes.

CHAIR WURZBURGER: Would you repeat it, please.

COUNCILOR CALVERT: Motion to approve with the stipulation that the contractor will provide us with the information of who is actually working on the project and their normal, current hourly rate.

COMMISSIONER STEFANICS: I'll second.

The motion passed by unanimous [4-0] voice vote.

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## **INFORMATION ITEMS**

### **15. Update on Implementation and Cost Sharing for the LC LP BWSA Through a Future DB Contract Change**

MR. HARWOOD: Thank you, Madam Chair. I could have made the whole title into an acronym but that –

I'll just quickly review this item because it is a verbal informational item. Rick already responded to some of the current status when he responded to Councilor Calvert's questions in the exceptions report. I would just like to emphasize to the Board that technical staff has been working very hard the last couple of weeks putting together at the City, County and Board's direction a change order to build the infrastructure necessary to supply Las Campanas under the changed circumstances that we find ourselves in and to quite literally implement the County-Las Campanas Bulk Water Service Agreement. We will be circulating among the technical and legal staffs at the various partners starting new week the memo that will accompany the change order so that everyone has a chance to weigh in and make sure it says things in the way that each partner is most comfortable with it describing how this new piece of BDD infrastructure will be incorporated in the existing project and we'll be evaluating whether any changes to other documents are needed.

We are looking for the most efficient way to implement that infrastructure and we fully expect that we'll be bringing a change order with all the supporting documents to the Board in March and that the way the infrastructure is coming together and the price estimating is coming together it looks like this package of elements sort of speak will be implementable in this timeframe that we are looking at over the next 13 months, so it's essentially within the current project schedule which is a great change from an update we gave you two months ago which was that some of the infrastructure that we had been looking as recently as a month ago look like it might extend beyond project acceptance and now it looks like with some of the redesign that is happening that it will all fit within the main project schedule. So that's a good development.

I don't know whether you'd like to know any more about the details but that's a quick verbal update. Things are going well and we're looking forward to bringing back the real meat next month.

CHAIR WURZBURGER: All right, thank you.

### **16. Update on the Substitute Funding for ARRA Grant the Solar Interconnection Change Order**

MR. CARPENTER: Thank you, Madam Chair. Members of the Board may recall that we were happy in the prospects of potentially receiving a grant, I think it was \$189,000 grant of stimulus funding origin from the federal government for this project solar interface. Turns out that grant came with some stipulations that rendered not usable for this project, the Davis Bacon wage requirements for example, some of the other grant requirements which they call Buy America and it looked like we couldn't use

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it all. The state stepped up and said, 'how about we give you drinking water revolving loan at a very loan interest rate.' That's something that we think is advantageous so it's our understanding that this will be on the BCC agenda next week where the County will acknowledge the terms of the that loan and we'll be moving forward I suppose with the loan agreement as we can.

As a loan agreement I think we have to come through this Board for conceptual approval and through the City process to accept the terms of the loan assuming that the County wants to accept its part of that.

CHAIR WURZBURGER: Thank you, yes.

COMMISSIONER STEFANICS: What is the amount of the loan?

MR. HARWOOD: It's for the \$189,000. The only verb I would change in Rick's statement is that for the County to consider whether it wishes to take on the loan conditions and if it does not it will come back to this Board and go to the City. This is a process that Mr. Ross and I have been working on so that we make sure we go through the right sequence of events. Have the County act on the loan agreement if it chooses to and if it does it comes back to this Board and the City accordingly; and if it chooses not to for any reason it comes back to this Board and the City accordingly. That's what's on the agenda for next week.

COMMISSIONER STEFANICS: Well, the reason I ask, Madam Chair, is that at the last RPA, Regional Planning Authority meeting, we, again, discussed how we might use some available funds in the other category. One of the members of the RPA, Councilor Bushee, said it would be great if we all could decide on one project that would benefit the City and the County. And, so, in a side conversation we have discussed whether there are some small pieces of BDD that we could fund. The RPA will be meeting next week so this could be a point of discussion as well as other available funds. It had to be for something very specific but I believe the solar interconnection might meet those requirements.

CHAIR WURZBURGER: Okay, let's see what happens there as well.  
Councilor.

COUNCILOR CALVERT: What was the interest rate you said?

MR. CARPENTER: I believe it is 2 percent. It's low interest at either 1 or 2 percent.

COUNCILOR CALVERT: And were they then going to find another use for that grant money? But you're saying the conditions were Buy American and that was something that was a deal killer.

MR. CARPENTER: The real deal killer was the Davis Bacon requirement to comply with the Davis Bacon wage rates would have cost us much, much more than the value of the grant itself.

## **17. Update on LANL Issues**

MR. HARWOOD: Thank you, Madam Chair. Before we get started I would like to point out to the Board that we are joined by Marcy Leavitt with New Mexico Environment Department.

CHAIR WURZBURGER: Welcome Marci. She has given us a lot of help on this. Thank you for being here.

MR. HARWOOD: And right in front is George Rael who will be coming down and joining us at the podium in a moment. Marcy is the director of the Water and Waste Management Division of NM ED and has agreed to come and further support the work that we're doing.

CHAIR WURZBURGER: Welcome, Mr. Rael.

**a. Negotiation of MOA with NNSA, DOE, LANL Regarding Water Quality**

GEORGE RAEL (DOE/LANL): For those of you that don't know me, George Rael, I'm the Environmental Manager for the Department of Energy at the Los Alamos Site Office.

Madam Chair, Board members I presented a power point [*Exhibit 3*] to walk you through some pictures of the status of the work we're doing out there to support the Buckman. From the last meeting that I attended I want to tell you that we have completed a grade and control structures on Pueblo and DP Canyons. DP Canyon is the canyon between technical area 21 and airport as you're moving west up to Los Alamos. And Pueblo Canyon would be the canyon on the other side of the airport. We are putting grade control structures there to slow down the water so that it doesn't have a lot of energy as it moves down the canyon and to allow that any sediments coming down to dissipate there before they get downstream. We have started a gaging station at E110 and I will show you some data here that follows. We have continued to meet with Mr. Carpenter, Mr. Harwood and the independent project team to provide data and have an information exchange. I think that is going well and we have another meeting next week.

We were going to start our memorandum of discussions yesterday but the weather impacted that meeting and Mr. Harwood and I exchanged phone calls and emails and we're scheduled to meet on the 10<sup>th</sup> although I think we can move it up to either the 8<sup>th</sup> or the 9<sup>th</sup> because I have found out that the Assistant Secretary for Environment who was going to be here may not show up due to the weather. So I'll work with Mr. Harwood and Mr. Carpenter to include that data if it is possible.

Slide three, that's the kind of grade control structures that we have implemented again up in Pueblo and DP Canyons. What you see there is a concrete truck pouring what we call a "lip" over the gabion baskets. This is a wall of rock across the canyon that allows the sediments in the water to break before it goes downstream. The next slide is just another view of that construction. Here is the excavator moving material as they build the gabion basket, which is basically a wall of rock with wire around it. These are just a few pictures to show that we have done some work up there in regards to the grading structures.

If you turn the page, I'd like to talk a little bit about E110, which I know has been a concern for you. The last time I met with you I told you that one of the concerns we had was obtaining all the permits. We have done so. We have picked up permits from the Corps of Engineers for what they call 404 which allows us to work in that kind of channel. We have agreed with San Ildefonso on an access agreement and in fact they are coordinating with us in real time. We do need escorts from the Pueblo because we're working on their land.

As far as the construction we have started that. If I may ask you to turn the page, you can see that in the next picture. Again, we have entered the area, put in an access

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gate there and we started moving the material through and the heavy equipment. These pictures were taken early January and so we're getting the access in but as it happened here yesterday we got a lot of snow there and that will slow us down a bit. What we're doing because we need appropriate temperatures so that we compact the soil and the concrete, we are moving thermal blankets and propane heaters to make sure that we can get that done. So we are moving on with that.

We have done all the utility checks and everything was a go and we started excavating as you saw in that picture with the excavator and we hit a pipe. So we called PNM, it was a clay pipe, PNM came out to look at it and it turned out it was one of their pipes but it was an abandoned pipe. So we have cleared that hurdle and now we're back to work.

The telemetry which is ultimately the communications between E110 gaging station 110 and the Buckman project, that is scheduled for March/April. I left it a little loose as one of the big pieces to that will be our interaction with the project team to insure that we're in agreement with how it is going to communicate. So then we have a little bit of – the details to that isn't quite ready for me to give you as I need to work with them and –

Let me tell you that you did provide a letter to the assistant secretary of our department and I believe that she did provide a response. I was on the phone with her earlier this week and she wanted to be assured that we were doing all we could to work with the Buckman as we do have to develop a strong partnership. We assured her that we are. I am to give her updates, not to her but to one of her senior staff on a biweekly basis and so obviously there is a lot of visibility now at headquarters for that.

I believe you also got a letter from our manager, Don Winchell, on the [inaudible] and, again, we want to share that with you in open communications. Because of the weather I asked for this cartoon to be printed for you. I actually enjoy pictures and cartoons. I'm going to hand it to you in a second and what it shows is Los Alamos and it'll show you the canyons and ideally it'll show you the gaging stations and the numbers of those gaging stations. I believe Commissioner Montoya last time asked where gaging station E110 was and I pointed it out. I will walk this over to give it to you and I have more coming except that the snow didn't let us get this done by this meeting.

CHAIR WURZBURGER: Thank you so much for your presentation and your continued work. Marcy, do you have anything you wanted to add?

MS. LEAVITT: No, I am here to answer any questions.

CHAIR WURZBURGER: Thank you and we truly appreciate your coming. Rick, do you have anything else to add?

MR. CARPENTER: Just that it was unfortunate that we couldn't meet yesterday, it was weather related and we look forward to meeting next week.

#### **b. Meetings with NMED**

MR. CARPENTER: Thank you, Madam Chair. This is for Board members other than yourself and Commissioner Vigil. We met I believe it was January 21<sup>st</sup> with New Mexico Environment Department. Ms. Leavitt was at the meeting and it was with the Secretary Ron Curry to discuss LANL related issues. I think we all came

away from that meeting feeling like it went very well and we're definitely on the same page with what needs to be done and why and we are glad to have the help of NMED.

**c. House Memorial**

MR. HARWOOD: Thank you, Madam Chair. Yes, we had a hearing this morning in the House Ag and Water Resources Committee on a memorial prepared by Representative Egolf that has now been joined by many other Santa Fe-area legislators as co-sponsors. I think it was a productive discussion. We had a great number of questions from the committee and ultimate a unanimous do pass and it was on its way to the floor. It is a memorial that briefly is the same theme as the memorandum of agreement negotiations that Mr. Rael just referenced. I think they are mutually supportive. It does call for a report to the interim committee later in 2010. So that's just to report out that we did have that hearing this morning and it's on its way to the floor and we look forward to passage of that.

CHAIR WURZBURGER: Thank you.

**d. Independent Peer Review**

MR. CARPENTER: Thank you, Madam Chair. Real briefly, as you know, we've retained the services of ChemRisk for the independent peer review consultant. We had our first public meeting on January 14<sup>th</sup> that was conducted by the independent peer reviewer and supported by our staff. And by all accounts I think that too was a very successful meeting. There was a lot of turnout, probably 90 or 100 people and the meeting lasted for over two hours and it there was a lot of direct input by all the participants and work groups which will be shared with the larger group and will be internalized.

CHAIR WURZBURGER: Will you please give us a summary of that. Not now, but when you quote internalizing the data, that staff comes up with a list of what you're going to internalize. Could you put that in the next BDD packet as information?

MR. CARPENTER: I think we'll have that ready by March; if not, certainly by April.

MR. HARWOOD: There are some materials already on the website.

COUNCILOR CALVERT: What's the next step?

MR. CARPENTER: Internalizing what we learned from the meeting. Continuing, not us but the consultant, continuing to get other data and reports and analyzing those and preparing their draft report and then that will culminate in a second public meeting some months from now.

MR. HARWOOD: There is a draft report being prepared in I believe two months and then there's a public meeting and a public release of that. There's a meeting in the summer and a final meeting in November where the independent peer reviewer provides a response to all the public comments that were received.

COUNCILOR CALVERT: Just one comment, I know how sometimes people get up against deadlines but just make sure that the information is out there well in

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advance of any public meetings so that they have time to actually look at it and study it so that it's a more productive meeting.

MR. HARWOOD: Patti Watson and Lyn Komer's public relations efforts really do get the word out and letting people know that the materials are on the web. We'll make sure that's done. And of course, as you may remember the independent peer review report ultimately will be translated into Spanish as well for the rate base and the customers.

CHAIR WURZBURGER: Okay, before we move on to item 18, just to go back and comment on the whole issue, I think that we are making progress with LANL and I appreciate that very much. I would like to ask staff that since you are meeting so regularly if you could because time is of such essence that if we could at least have a quick email report from the meetings to all members of the Board and as well I would like to request a copy of the letter which you prepared for me as well the response from DOE is provided to all the Board and I don't think we did that.

MR. HARWOOD: We've now got three letters. We've got the one going last week and the response –

CHAIR WURZBURGER: Right, and the one I just did. So if you would give those to everyone on the Board that way we're all on the same page. Thank you.

## **18. Update on Solar PV Project**

MR. HARWOOD: We can dispose of 18 b and c fairly quickly. These were placeholders not knowing what we might have to report by today.

### **a. PRC260 and PRC217**

MR. HARWOOD: A very quick update on 18 a. is that in the PRC 217 case which is the discussion of third-party power purchase agreements, that commission decision has been appealed so we're monitoring that as it goes forward.

COUNCILOR CALVERT: By –

MR. HARWOOD: No PNM but another utility, so it will be going to the Supreme Court.

CHAIR WURZBURGER: What does that mean?

MR. HARWOOD: It's not entirely clear what it means so if it's okay I'll provide you with more information as we learn it.

COUNCILOR CALVERT: So on the legislative update that you said isn't one, I was sort of under the impression that Representative Egolf was going to introduce a bill to affirm the PRC's decision; is that not happening?

MR. HARWOOD: What I can say under the legislative update is that there are a number of bills that we're monitoring none of which I think – none of which are we particularly either excited about or think they're very good prospects for, but we will provide you with an update as more information becomes available if that's okay. There are a number of bills, HB181 is – let's just leave it at that level of detail unless you have other questions.

The quick update on PRC260 is that since our last Board meeting at the direction of the Board the City did take up the stipulation and the County took up the stipulation,

and both supported the stipulation. So pursuant to the direction that we received we have now, as of today actually, along with several other parties filed the Board's concurrence with the stipulation. PNM has filed additional testimony as called for by the scheduling order and we will continue to monitor that as it goes forward.

I think it's fair to say that we have a good degree of confidence that we will still be able to build some kind of solar project, under some kind of business model, under some kind of regulatory environment –

CHAIR WURZBURGER: In this century?

MR. HARWOOD: -- in the next fifteen months, I would even say.

CHAIR WURZBURGER: Okay, a forecast by Kyle.

MR. HARWOOD: I know it's highly qualified but we expect to have a lot more information in March and potentially even a path forward in April that timing of course gets us beyond both sessions so we'll know what has resulted from that. The results of the session may then influence these two cases because they are interconnected. In order to keep this informational overview without keeping into the detail I think I would just like to be able to bring you more detail at the March meeting after we've had a round of negotiations with our top ranked respondent in the solar procurement and we hope to have more information in March.

COUNCILOR CALVERT: So March will be after the legislature is adjourned, right?

MR. HARWOOD: Yes, sir.

COUNCILOR CALVERT: So if you have some timely legislative updates between now and then Kyle, I would appreciate if it is something that we need to act on or need to support or not it would be helpful to know that because obviously the update in March is a moot point.

MR. HARWOOD: Right, we'll certainly be sure to give you any heads up via email. This like so many other issues is something that we are working on with both technical and legal staffs at the City and the County.

CHAIR WURZBURGER: Yes, Commissioner.

COMMISSIONER STEFANICS: Thank you, Madam Chair. I would ask that if there is anything of legislative matters that relates to the BDD that it be put in writing for our next packet since the session will be over.

MR. HARWOOD: Very good.

### **MATTERS FROM THE PUBLIC**

JONI ARENDS: Good afternoon. My name is Joni Arends and I'm with Concerned Citizens for Nuclear Safety. I wanted to thank the staff and ChemRisk for the meeting in January. At the next meeting it would be really good for the Board members to be there. I think that you would have been really impressed with the level of conversation that took place and I look forward to seeing the summary as well. It was very important and the room was basically full, really good conversations among people who normally don't talk to one another. So it was very, very beneficial. Thank you.

COUNCILOR CALVERT: I think that would be possible if they would consult with us in scheduling.



CHAIR WURZBURGER: Yes, there was a major forum that we all had to attend. But it wasn't a matter of our not wanting to be there. But, thank you and we really appreciate your being there.

Let's just fill on that request that before any further dates that we try to clear those with the Board. Not that everyone can make it but there were some extreme conflicts on that night that could have been anticipated.

**MATTERS FROM THE BOARD**

CHAIR WURZBURGER: Yes, Commissioner.

COMMISSIONER STEFANICS: Madam Chair, I don't know whether or not Commissioner Vigil mentioned it but Commissioner Vigil and I will be the members from the County and Commissioner Montoya will be the alternate.

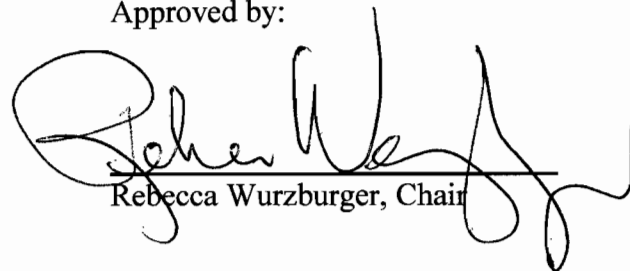
CHAIR WURZBURGER: The only think I would like to add from the Board is that I really appreciated the reports on the economics, John. Has everyone got a copy of that? I want to be sure we put a copy of that in our minutes because it's the first meeting that we've had since that report came out of that press release.

**NEXT MEETING: Thursday, March 4, 2010 @ 4:00** – County Chambers


**ADJOURNMENT**

Having completed the agenda, this meeting was declared adjourned at approximately 5:40 p.m.

Approved by:

  
Rebecca Wurzburger, Chair

Respectfully submitted:

  
Karen Farrell, Wordswork

**ATTEST TO:**

\_\_\_\_\_  
VALERIE ESPINOZA  
SANTA FE COUNTY CLERK



SFC CLERK RECORDED04/16/2010

City of Santa Fe



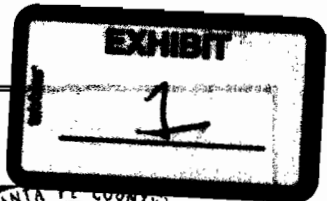
New Mexico

CITY CLERK'S OFFICE

DATE 2-1-10 TIME 4:05

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## AMENDED AGENDA

THE CITY OF SANTA FE  
And  
SANTA FE COUNTY

### BUCKMAN DIRECT DIVERSION BOARD MEETING

THURSDAY, FEBRUARY 4, 2010  
4:00 PM

CITY COUNCIL CHAMBERS  
200 Lincoln Avenue

1. CALL TO ORDER
2. ROLL CALL
3. APPROVAL OF AGENDA
4. APPROVAL OF MINUTES FOR THE JANUARY 7, 2010 BUCKMAN DIRECT DIVERSION BOARD MEETING
5. APPROVAL OF CONSENT AGENDA
6. MATTERS FROM STAFF

#### CONSENT AGENDA

7. Project Manager's Monthly Project Exception Report. (Rick Carpenter)
8. Update on Financial Status of Professional and Legal BDD Contracts. (Rick Carpenter)
9. Public Relations Report for January 2009. (Patti Watson and Lynn Pitcher Komer)

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## DISCUSSION AND ACTION ITEMS

10. Discussion and Request for Approval of the BDD Staffing and Training Program. (Rick Carpenter and Norm Gaume)
11. Discussion and Request for Approval of the FY 10/11 Operating Budget and Five-Year Operating Budget Projection. (Rick Carpenter and Angela Anderson)
12. Discussion and Request for Approval of a Budget Adjustment Request (based on the BDD Board's Recommended Operating budget) to the BDD Project FY 09/10 Operations Budget. (Rick Carpenter)
13. Discussion and Possible Approval on Change Order No. 12 to the Design-Build Contract for Additional Interior Metal Wall Liner Panels for Select Pre-Engineered Buildings in the Amount of \$66,008.93 Exclusive of NMGRT. (Rick Carpenter)
14. Request for Approval of Amendment No. 2 to the Professional Services Agreement Between the Buckman Direct Diversion Board and Meyners Associates for the Provision of Professional Financial and Accounting Work for the BDD Project for the Amount of \$215,500.00 Exclusive of NMGRT. (Rick Carpenter)

## INFORMATION ITEMS

15. Update on Implementation and Cost Sharing for the LC LP BWSA Through a Future DB Contract Change Order. (Kyle Harwood) **VERBAL**
16. Update on the Substitute Funding for ARRA Grant the Solar Interconnection Change Order. (Rick Carpenter) **VERBAL**
17. Update on LANL Issues:
  - a. Negotiation of MOA with NNSA, DOE, LANL Regarding Water Quality. (George Rael and Rick Carpenter) **VERBAL**
  - b. Meetings with NMED. (Rick Carpenter) **VERBAL**
  - c. House Memorial. (Kyle Harwood) **VERBAL**
  - d. Independent Peer Review. (Rick Carpenter) **VERBAL**
18. Update on Solar PV Project:
  - a. PRC260 and PRC217. (Kyle Harwood) **VERBAL**
  - b. Solar PV Procurement Process. (Rick Carpenter) **VERBAL**
  - c. Legislation Update. (Kyle Harwood) **VERBAL**

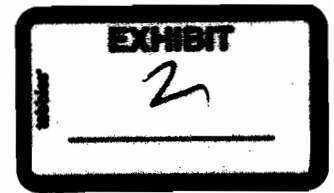
**MATTERS FROM THE PUBLIC**

**MATTERS FROM THE BOARD**

**NEXT MEETING: THURSDAY, MARCH 4, 2010 @ 4:00 @ SANTA FE COUNTY  
COMMISSION CHAMBERS**

**ADJOURN**

**PERSONS WITH DISABILITIES IN NEED OF ACCOMODATIONS, CONTACT THE  
CITY CLERK'S OFFICE AT 505-955-6520, FIVE (5) WORKING DAYS PRIOR TO  
THE MEETING DATE.**



## STAFFING AND TRAINING PLAN SUMMARY

February 3, 2010

### INTRODUCTION

Initial BDD Project operations by City of Santa Fe employees will commence following the BDD Board's formal acceptance of the project, expected May 2011. The BDD Project Manager roles include hiring the staff and overseeing training before initial operations by the staff. The BDD Project Manager will then manage, operate, and maintain the project subject to the policy direction and governance of the BDD Board to divert, treat, and deliver water to the three BDD partners. The Project Manager submits this staffing and training summary, and the accompanying FY09/10 and FY10/11 BDD Project operating budgets, to the BDD Board for approval in order to carry out these significant responsibilities.

This document is intended to provide the BDD Board with a summary description of the staffing and training plan.

Most BDD Project positions are "knowledge workers" requiring significant education, training, and drinking water systems experience in order to make the right decisions to deliver drinking water with 100% water quality reliability, regardless of the quality of the Rio Grande. These positions are in short supply in the southwest and the country.

Training of new staff is essential to the BDD Project's success. New Mexico Environment Department (NMED) certification of operators is required but insufficient. General training that leads to operator certification must be supplemented by BDD Project specific training addressing the theory and standard operating procedures for all unit processes and the extensive project facilities, equipment, and software.

Analysis of the BDD Project staffing requirements has concluded that thirty-one new staff positions will be required, supplemented by four existing Water Division positions on a part-time basis. Some of the new BDD positions will work part-time for the City Water Division, supplying skills that are not currently available and providing back-up staffing to cover absences for the Canyon Road Water Treatment Plant.

Existing City public utilities staff will fill some positions. Additionally, retirement of many current City water utility employees is imminent. These two factors create additional need to recruit qualified applicants and hire and train the replacements for those retiring or transferring to the BDD Project. A similar situation may occur with the Santa Fe County water utility.

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The BDD Board did not accept the Project Manager's July 2009 recommendation to proceed with procurement of private sector O&M services and indicated that the BDD Project should be operated and maintained by public sector employees. The BDD Board at its August 2009 and November 2009 meetings conceptually approved the BDD staffing and training approach outlined by the BDD Project Manager. This conceptual approach is unchanged. New staff must satisfactorily complete a formal, full-time training and certification program before initial BDD Project operations. The trainees will be paid to train. Training will include observation and analysis of initial operations by the DB Contractor.

The November 2009 conceptual approval included the BDD Project O&M staffing proposal illustrated in an annotated organization chart and an overall staffing, training, and operator certification schedule integrated with the DB Contractor's start-up and acceptance testing schedule. There are no material changes to either the organizational chart or the big picture training and program schedule. However, much productive effort is required to meet the schedule.

Features of this staffing and training plan require discussion with the union. These include the operator career ladder. Additionally, the plan relies on an "up or out" policy for trainees. This means that operator trainees, in addition to completion of their probationary period, must satisfactorily complete, as a condition of continued employment, all phases of the BDD Project's job specific training and certification program in a timely manner or be removed from the operator position.

Both the Board Engineer's professional services agreement and the Design-Build Contract provide significant resources for the training program. The proposed training program integrates these training efforts into a more comprehensive training and certification program that is intended to help existing staff and local hires to gain the knowledge that they will need to make operations decisions and produce excellent quality drinking water, with 100% reliability of water quality.

Santa Fe Community College and the state water technology training program at Dona Ana Community College have been requested to fulfill significant staffing and training roles. Both want to participate. These roles ranging from testing and assessment of applicants (SFCC) to providing an academic certificate in advanced water treatment (AWT) to Shift Charge Operators and AWT Operators Senior (DACC).

**Request.** The BDD Project Manager requests the BDD Board's approval of this summary plan at the February 2010 BDD Board meeting, along with the FY 09/10 and FY10/11 operating budgets, which will enable its implementation.

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## SUMMARY OF BDD PROJECT STAFFING

**BDD O&M Organizational Design.** Attachment A illustrates the BDD Project Management, Operations, and Maintenance organization. This staffing plan includes recommended solutions for a variety of requirements and constraints for the operation of the BDD Project. Please refer to the organization chart in the discussions of categories of positions, below.

**Shift Operators for BDD Project Operations 24/7/365.** Under the management and supervision of the BDD Chief Operator, four shifts consisting of only operators, a Shift Charge Operator and an Operator Senior, will oversee the automated operation of the BDD Project facilities around the clock, 24 hours per day. In order to provide coverage of the 168 hours in a week, these shift operators will work 12 hour days plus 6 hours of overtime per week. A fifth Lead Operator and Operator Senior will normally work day shift, Monday through Friday, but will adjust their weekly work schedule to cover scheduled and as many unscheduled absences as possible.

The BDD Project includes a sophisticated Supervisory Control and Data Acquisition (SCADA) providing for centralized monitoring and adjustment (supervisory remote control) of all facilities. This automation is intended to allow only two operators per shift to operate the BDD raw water diversion and pumping system by automated remote control and to operate the normal and advanced water treatment processes that comprise the BDD Water Treatment Plant. If plant operations are proceeding normally, these operators may also be able to operate the solids (sludge) handling and dewatering systems but an additional operator will be needed at certain times, such as when the river water contains high sediment concentrations.

These two operators per shift (ten total) must be highly skilled and trained. The State requires the Shift Charge Operator to have a Level IV Water Operator's License. The Project Manager has determined the Operator Senior should have a Level III Water Operator's License. It is essential that both understand the theory of the BDD water treatment processes, the BDD processes and systems, proper operations of the BDD equipment and controls, and BDD procedures and policies.

Normally, the Shift Charge Operator will be in the control room interacting with the SCADA system, closed circuit TV monitoring system, and the security system. The Operator Senior will be in the field, observing the operations of each process, observing equipment operation, observing water quality, collecting samples and running process control tests, and communicating with the Shift Charge Operator by radio. If processes are not running in the automated mode due to equipment problems, the Operator Senior will make calculations about chemical feed rates and other unit process parameters and will manually operate or adjust process equipment.

Safety and security requires a minimum of two operators at the plant at all times. Therefore, the shift operators will not leave the plant to attend to any issues or problems with the raw water pumping system. These will be handled by day shift operators or in an emergency, by calling staff in on overtime.

**Operators working day shift.** Additional operators will work day shift, Monday through Friday, directed by the Operations Supervisor. These will include four BDD Operators, who must have Level I or II water operator state licenses, and two Operators Senior. Day shift operators will:

- Investigate problems reported by the shift operators,
- Operate the solids handling systems (process equipment centrifuge and mobile equipment (loader and dump truck),
- Verify physical operations and correct problems with the raw water diversion and pumping system and the sand separation and return system,
- Cleaning and housekeeping in process areas,
- Remove settled sediment from raw water storage basins,
- Calibrate flow meters and chemical metering systems,
- Perform routine equipment preventive maintenance, calibration, and flushing,
- Perform or support confined space entries.

The two operators senior assigned to day shift will address problems that the two shift workers per shift do not have time to address, collect and analyze information, and conduct process optimization studies.

These six day shift operators may be assigned periodically to shift work whenever the water quality or process performance requires additional skilled labor on more than a day shift basis.

**Maintenance.** The highly automated system will increase process stability, efficiency, and reliability while reducing chemical and operations labor costs. Achieving these benefits and significant operations labor savings requires that the automated systems be reliable, which means the equipment must be operable and instrumentation and control systems hardware and software must be maintained and tuned for reliable automated operation. Maintenance requires industrial power and controls electricians, mechanics, and instrumentation and control (I&C) hardware and software technicians. The BDD Maintenance Supervisor will supervise two industrial electricians and three industrial mechanics/industrial equipment repairpersons.

The BDD Automation and Security Systems Specialist will supervise two hardware and software instrumentation and control technicians. The scope of their responsibility will include preventive maintenance, calibration, and repair of instrumentation and control loops. They will refine the control loops, update the operator/automation system interfaces and reports software to meet newly recognized needs, and train operators to more effectively use the automated and remote control systems, including the security systems.



The BDD Operations Supervisor, BDD Maintenance Supervisor, and BDD Automation and Security Systems Specialist will report to the BDD Facilities Manager. They will have line responsibility.

Three additional professional support staff members with limited supervisory responsibilities will report to the Facilities Manager. They include the Compliance Officer, the Fiscal Manager and Budget Administrator, and the Training and Safety Officer. These management positions previously have been justified to and approved by the BDD Board.

**Shared staffing policy directive of the BDD Board.** Board members have indicated that operations and maintenance staff will be shared between the BDD Project and the City Water Division. Four existing Water Division staff members will assist the BDD Project with routine and extraordinary work on a part-time basis. About ten BDD Project staff will assist the Water Division Source of Supply Section, which includes the Canyon Road water treatment plant and which currently has a minimal number of highly skilled operators and maintenance technicians. BDD Project staff will cover scheduled operator absences at the Canyon Road water treatment plant (unscheduled absences were possible), provide electrical maintenance and troubleshooting (the City has no electricians on staff), and help during times with extraordinary work loads.

Several factors impose limits to shared staffing:

- Both the Canyon Road water treatment plant and the BDD Project will be operated simultaneously, year round. Both facilities must have sufficient dedicated staff to do so.
- It is not practical to have current Water Division Source-of-Supply managers and supervisors assume the large added responsibility of the BDD Project due to both the required qualifications of the BDD positions and the very large additional workload.
- City Human Resources Department review of the BDD positions has concluded the BDD Project positions will be classified one range higher than parallel positions at Canyon Road.

Attachment C contains summary descriptions of all BDD Project management, operations, and maintenance positions.

### **TRAINING OF BDD STAFF**

Training of new staff is essential to the BDD Project's success. New Mexico Environment Department (NMED) certification of operators is required but insufficient. General training that leads to operator certification must be supplemented by BDD Project specific training addressing the theory and standard

operating procedures for all unit processes and the extensive project facilities, equipment, and software.

At best, only a few of the operators hired to fill BDD Project positions will have advanced surface water treatment experience. This fact coupled with BDD Board endorsement of a strategy to train under-qualified existing employees and local new hires, called "grow-your-own," places an even higher requirement for staff training.

Both the Board Engineer's professional services agreement and the Design-Build Contract provide significant resources for BDD Project O&M staff. This plan integrates and restructures these training resources to help provide a comprehensive training and certification program. Such a program is necessary to help existing staff selected for promotion to the BDD Project positions and local hires to gain the knowledge required to properly operate the new facilities, make operations decisions and adjustments, and produce excellent quality drinking water, with 100% reliability of water quality.

Santa Fe Community College (SFCC) and the state water technology training program at Dona Ana Community College (DACC) are very interested in fulfilling significant staffing and training roles. These roles ranging from testing and assessment of applicants (SFCC) to providing an academic certificate in advanced water treatment (AWT) to Shift Charge Operators and AWT Operators Senior (DACC).

Attachment B shows the schedule for hiring and training, integrated with the DB Contractor's completion and start-up schedule. Highlights include the following:

1. Operator staffing must be complete by the end of September 2010.
2. Full-time training for operators will start in October 2010. The first of two training phases will be completed in April 2011.
3. Curricula and most lesson plans and training materials must be completed prior to initiation of the training program.
4. Operator Training will include both BDD Project specific training and generalized knowledge and skills training. Enrolling trainees part-time in courses presented by SFCC and DACC will provide much of the latter.
5. Successful completion of the training program will result in academic credit, including a certificate in advanced water treatment from DACC for operators senior and shift charge operators and internal certification by the City as a qualified BDD Project operator. Certification will require approximately six months of satisfactory completion of on-the-job training and demonstration of competency. Successful completion will also result in a pay increase.
6. Operator training in the January 2011 through April 2011 period will include training-program-supervised observation and analysis by trainees of the DB Contractor's initial operations and acceptance test.

7. Operators must satisfactorily complete this phase of the training or lose their BDD Project positions.
8. Maintenance staffing must be complete by the end of December 2010.
9. Maintenance and management training will address only BDD Project specific topics and will not address generalized knowledge and skills.
10. NMED accreditation of the BDD Project Certification and Training Program for operators is expected.
11. The training program materials are considered a capital resource. These materials will be used over the lifetime of the BDD Project as needed to train new employees hired due to loss of the initial group of employees.

Some attrition is likely during the training and certification program, the FY10/11 operating budget makes allowance for attrition of two AWT Operators Senior trainees while starting initial operations with a full staff. No allowance has been made for attrition of Shift Charge Operators or the lower level operators.

Union review of this plan will be required. We expect the up-or-out requirement will need discussion and negotiation.

### **BUDGET**

All funding for the training and certification training program is contained within either the approved BDD Project capital project budget or the operating budget requests for FY09/10 and FY10/11. Sources of funding are summarized below:

- Training program development and presentation (capital budget)
- Staffing and training of staff (FY09/10 and FY10/11 Operating Budgets)
- Incremental materials, supplies, and utility costs of DB Contractor's Pre-Acceptance Testing Warm-up (PATWU) and initial potable water production for consumption by the partners (FY 10/11 Operating Budget)
- Adjustment to scope-of-work of BCDM, Board Engineer, for staffing and training program management and delivery (capital budget)

We believe that the remaining unallocated contingency funds in the capital budget will be sufficient to pay the one-time costs of developing and presenting the training program.

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# Buckman Support Projects Update

February 4, 2010

George J. Rael  
Environmental Projects Manager  
Los Alamos Site Office

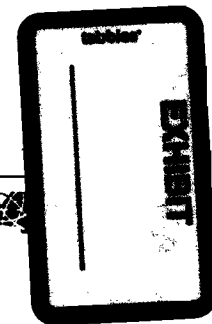


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## **Accomplishments since the last Board meeting...**

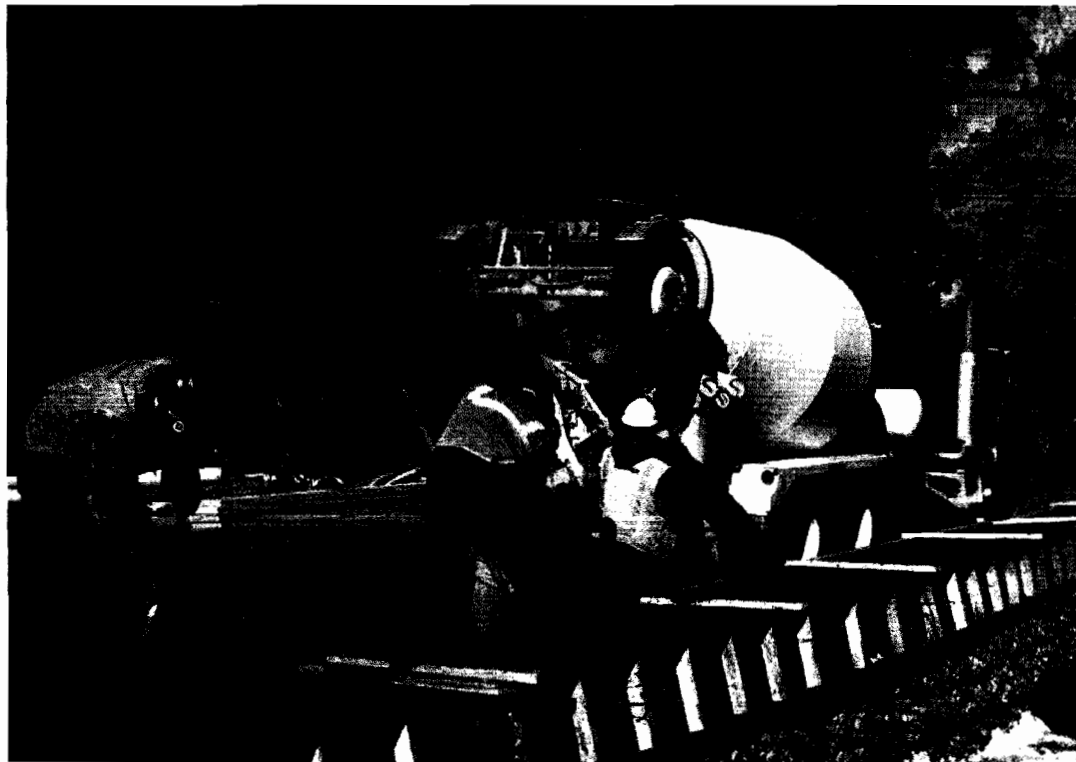
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- **Completed construction of Grade Control Structures in Pueblo and DP Canyons**
- **Started construction of E110 Gaging Station**
- **Met to exchange data to support BDD Independent Peer Review**
- **Discussion in support of a Memorandum of Understanding Rescheduled from February 3 to February 10 due to Snow**

# Grade Control Structures in Pueblo and DP Canyons

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- Construction completed



*Pouring concrete in Pueblo Canyon*

UNCLASSIFIED

# Grade Control Structures in Pueblo and DP Canyons

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*Building the structure across Pueblo Canyon*

## E110 Status

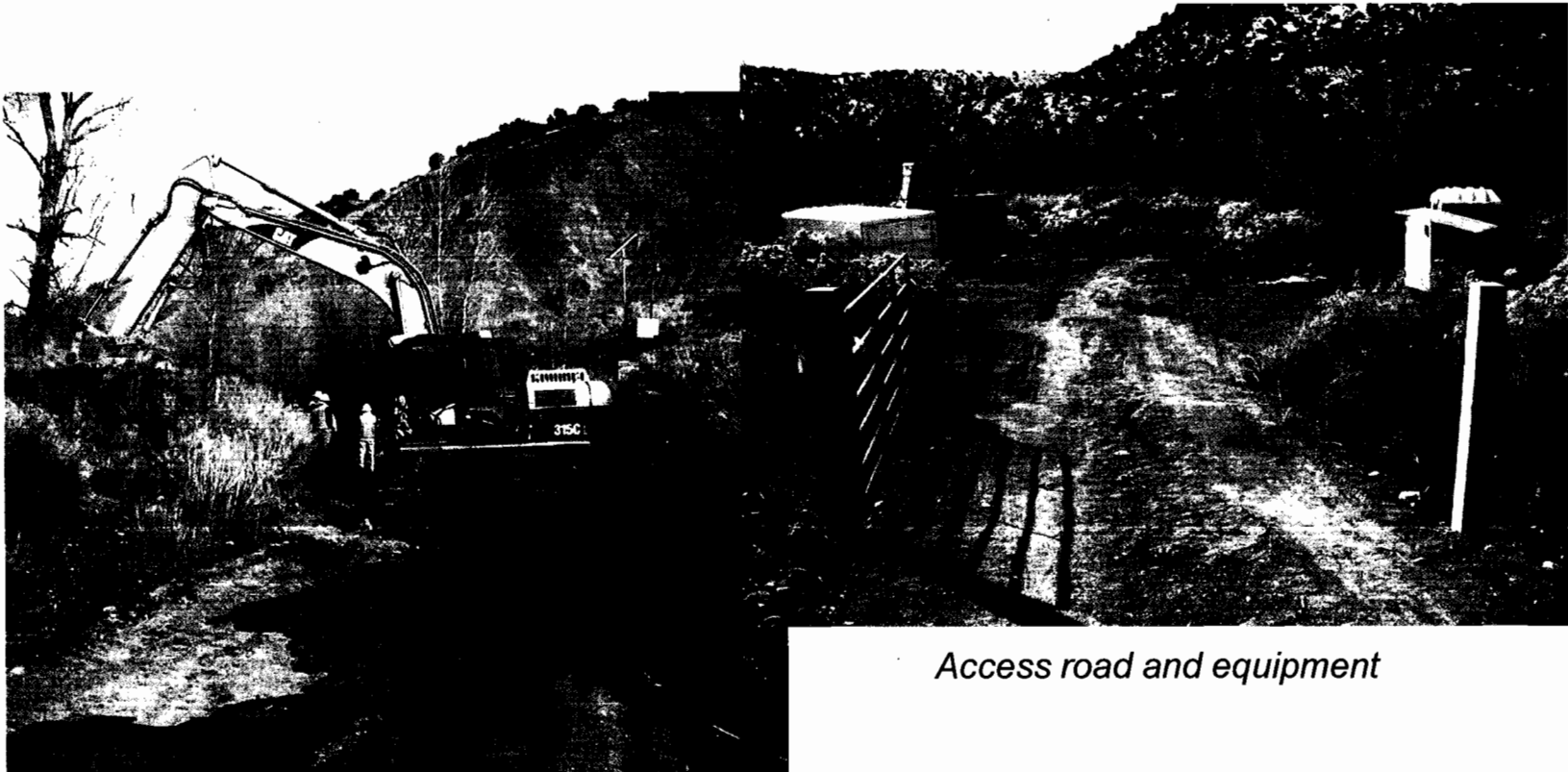
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- **All permits have been obtained, including access from San Ildefonso Pueblo**
- **Coordination with San Ildefonso ongoing**
- **Construction of gaging station began February 1, 2010; construction expected to last approximately 3-4 weeks**
  - Access road completed
  - Weather conditions will challenge the schedule, such as compaction of soil; work around with thermal blankets and propane heaters
  - Unexpected pipe located on February 2, 2010; approximate one week delay
- **Telemetry expected to be installed in March-April**



# E110 Gaging Station Construction

- Construction has begun at E110 gaging station



*Access road and equipment*