

CITY CLERK'S OFFICE

DATE 8/7/13 TIME 7:53a

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AGENDA

REGULAR MEETING

**SANTA FE SOLID WASTE MANAGEMENT AGENCY
JOINT POWERS BOARD**

AUGUST 15, 2013

12:00 P.M.

**LEGAL CONFERENCE ROOM
SANTA FE COUNTY ADMINISTRATION BUILDING
102 GRANT AVENUE
SANTA FE, NM**

- I. Call to Order**
- II. Roll Call**
- III. Approval of Agenda**
- IV. Approval of Minutes for Regular Meeting – July 18, 2013**
- V. Matters from the Public**
- VI. Matters from the Executive Director**
 - (A) Discussion with Possible Action on the Caja del Rio Landfill Accepting Out-of-County Waste Generated from the Geographic Areas of San Miguel County, Rio Arriba County and Los Alamos County.
 - (B) Discussion with Possible Action on Additional Special Waste Categories as Part of the Caja del Rio Landfill Permit Renewal and Modification.
 - (C) Request for Approval of Amendment No. 1 to the Professional Services Agreement with BlueWater Environmental Consulting, LLC of Santa Fe, NM, for Environmental Services for the Caja del Rio Landfill and Buckman Road Recycling and Transfer Station in the Amount of \$46,996.65 (RFP No. 12/27/P).
- VII. Matters from Staff**
- VIII. Matters from the Board**
- IX. Next Meeting Date: Thursday, September 19, 2013**
- X. Adjournment**

Anyone needing further information or requiring special needs for the disabled should contact Sally Padilla at (505) 424-1850, extension 150.

**SOLID WASTE MANAGEMENT AGENCY
JOINT POWERS BOARD MEETING
Legal Conference Room
Santa Fe County Courthouse
August 15, 2013**

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I. CALL TO ORDER

A meeting of the City and County of Santa Fe Solid Waste Management Agency Joint Powers Board (SWMA) was called to order by Councilor Peter N. Ives, Chair, on Thursday, August 15, 2013, at approximately 12:00 noon, in the County Commission Chambers, Santa Fe County Courthouse, 102 Grant Avenue, Santa Fe, New Mexico.

II. ROLL CALL

MEMBERS PRESENT:

Councilor Peter N. Ives, Chair
Commissioner Miguel Chavez, Vice-Chair
Councilor Bill Dimas
Commissioner Kathy Holian
Commissioner Daniel Mayfield
Councilor Christopher M. Rivera

STAFF PRESENT:

Randall Kippenbrock, Executive Director – SWMA
Angelica Salazar, SWMA
Justin Miller, Legal Counsel
Melessia Helberg, Stenographer



COUNTY OF SANTA FE)
STATE OF NEW MEXICO) ss

SOLID WASTE MINUTES
PAGES: 20

I Hereby Certify That This Instrument Was Filed for
Record On The 23RD Day Of September, 2013 at 03:14:21 PM
And Was Duly Recorded as Instrument # 1718772
Of The Records Of Santa Fe County

Deputy Marcia Salazar Witness My Hand And Seal Of Office
Geraldine Salazar
County Clerk, Santa Fe, NM

There was a quorum of the membership in attendance..

III. APPROVAL OF THE AGENDA

MOTION: Commissioner moved, seconded by Commissioner Mayfield, to approve the Agenda as presented.

VOTE: The motion was approved unanimously on a voice vote.

IV. APPROVAL OF THE MINUTES FOR REGULAR MEETING – JULY 18, 2013

Mr. Kippenbrock noted on page 1 that Item VI (C) was heard first and not Item VI(A) and VIA(1), noting he has requested that Ms. Helberg do the appropriate cut and paste of the minutes and that corrected minutes be provided.

MOTION: Councilor Rivera moved, seconded by Commissioner Mayfield, to approve the minutes of the regular meeting of July 18, 2013, as amended

VOTE: The motion was approved on a voice vote, with Councilor Dimas, Councilor Rivera, Commissioner Mayfield and Chair Ives voting in favor of the motion, no one voting against, and Commissioners Holian and Commissioner Chavez abstaining.

V. MATTERS FROM THE PUBLIC

None.

VI. MATTERS FROM THE EXECUTIVE DIRECTOR

(A) DISCUSSION WITH POSSIBLE ACTION ON THE CAJA DEL RIO LANDFILL ACCEPTING OUT-OF-COUNTY WASTE GENERATED FROM THE GEOGRAPHIC AREAS OF SAN MIGUEL COUNTY, RIO ARRIBA COUNTY AND LOS ALAMOS COUNTY.

Mr. Kippenbrock presented information regarding this matter from his Memorandum of August 12, 2013, with attachments, to the SFSWMA Joint Powers Board, which is incorporated herewith to these minutes as Exhibit "1." Please see Exhibit "1" for specifics of this presentation.

Chair Ives welcomed those in attendance.

Los Alamos County

Mr. Kippenbrock introduced **Philo S. Shelton, Public Works Director, Tom Nagawiecki, Administrative Services** and **Leroy Chaco, Landfill Superintendent**, all of Los Alamos County.

Mr. Shelton said the reason they aren't bringing waste into Santa Fe is that they want more competitive rates.

Mr. Shelton said currently their waste goes to Los Lunas or Rio Rancho, and their total cost is \$43 to \$45 per ton depending on where it goes. If they send it to Santa Fe, it costs \$14 per ton for hauling, and tipping fee of \$30 to \$31 per ton, noting the hauling costs would increase if the cost of diesel fuel increases. He said they ship their recycling to Albuquerque. It said it is harder for Santa Fe to be

competitive, because the others offer revenue per ton at \$20 per ton. The economics are further apart.

Mr. Shelton said they haul about 20,000 tons annually to the landfill.

Chair Ives asked if that includes recycling.

Mr. Shelton said, no, that is separate.

Responding to the Chair, Mr. Shelton said they have a long term contract to haul the waste with Salazar Trucking, noting the diesel fuel is a cost factor. He said the cost to haul per ton is \$39.50, versus \$27 to haul to Santa Fe. He said Los Alamos looking at a batch load. He said they ship and handle baled materials. He said the BuRRT doesn't accept baled mixed recyclables.

Commissioner Chavez asked if their source accepts separated streams of cardboard. He said he imagines that is based on the customer base.

Mr. Shelton said their residential recycling is at about 24%, commenting there is room for growth. He said Albuquerque accepts more kinds of recyclables than BuRRT.

Commissioner Chavez asked if commercial and businesses are involved.

Mr. Shelton said something which was inaudible about the recycling rate versus diversion rate, noting their recycling rate is about 20%. He said the diversion rate would include things like recycled metal. He said they recycle a lot of other things like concrete, which gets up to about 70%.

Commissioner Chavez said these are significant numbers. He thinks those are a part of the equations as well. He said if we focus regionally, then perhaps we might capture more and keep it within the region.

Chair Ives said SWMA, the City and the County are engaged in a Solid Waste Assessment Study, and he would like to look at this in terms of the overall structure.

Mr. Shelton said he would be glad to share information in this regard with the SWMA consultant. He said they are maximizing the rate of recycling, commenting the new composting will help a lot.

Chair Ives asked Mr. Shelton if the waste they accept includes any waste from LANL.

Mr. Shelton said yes, but only non-hazardous waste, noting there are many projects where LANL is demolishing old buildings.

Commissioner Mayfield thanked them for coming today. He asked about the tipping fees.

Mr. Shelton said the tipping fees to Los Lunas are \$15.96, and to Rio Rancho it is \$25.11, noting it is \$40 for Santa Fe.

Commissioner Mayfield asked what kinds of things are not accepted.

Mr. Shelton said they do not accept wastewater sludge.

Responding to Commissioner Mayfield, Mr. Shelton said this will stop once the composting facility is up and running, and then they will accept the wastewater sludge which will go to the composting facility.

Commissioner Mayfield asked if all waste would be compatible with what Santa Fe accepts, and Mr. Shelton said yes, generally.

Commissioner Mayfield said they need to consider the environmental impacts of the use of diesel in trucking waste to Albuquerque.

Commissioner Mayfield asked about repurposing materials from the lab.

Mr. Shelton said they have a radiation monitor, and if radiation is detected, usually it is due to people getting radioactive treatment.

Commissioner Mayfield asked about asbestos.

Mr. Shelton said that is handled separately.

Mr. Nagawiecki said all waste that comes from LANL comes with a LANL pass which is done by LANL internally and is accepted by Los Alamos. He said they don't accept asbestos.

Mr. Kippenbrock asked if they accept C & D, and if so, do they take it to the transfer station or to the landfill.

Mr. Shelton said the newest which are the bio wastes go into the composting.

Mr. Shelton said, with regard to the tipping rates at \$60 per ton, they reviewed all costs, and the cost is \$45 per ton to the facility. The additional \$15 is to cover the cost of the staff at the scale house. He said the cost would decrease if there was more tonnage, but it has remained static. He said the goal is to reduce waste through recycling, noting the fixed costs have to be covered.

Chair Ives asked if the composting will be done at a different facility.

Mr. Shelton said the wastewater plant site being converted to compost facility, and the equipment will be more state of the art like what is used by Albuquerque. He said the composting is not recommended for use in vegetable gardens. It is stable and they take animal wastes and paper bag full of leaves.

Chair Ives asked the price on the composting material.

Mr. Nagawiecki said it is \$25 for loose and \$20 per ton.

Commissioner Mayfield asked if they will take non-protein food scraps or all food scraps.

Mr. Nagawiecki said they don't know yet. They want to get it going and see how successful that will be. He said they have to guarantee compost temperatures.

Chair Ives since they will do it at a former facility, it will be readily available.

Mr. Nagawiecki said the wood chips are processed and taken over. He said they have grinding equipment at the eco-station and they have huge stockpiles.

Chair Ives said then the bottom line is that it is dollar driven at this point in time, but they have to look at transportation costs as well.

Mr. Kippenbrock, said he, Mr. Shelton and Mr. Nagawiecki met, and they would like to partner with Santa Fe.

Rio Arriba County and North Central Solid Waste Management

Mr. Kippenbrock introduced **Gino Romero, Director, North Central Solid Waste Management,** and **Tomas Campos, County Manager, Rio Arriba County.**

Mr. Kippenbrock said they process 30,000 tons per year. He said they have a contract similar to that at Los Alamos, and they piggyback off that. He said the cost is slightly higher since they have to haul from a farther distance.

Mr. Romero said there are 60 residents from Santa Fe County that have service. The City of Espanola, part of which is in Santa Fe County, piggy-backs on the price from Los Alamos. He said they are in negotiations, and are looking at acquiring a landfill. He said the current contract with Waste Management runs through 2016. He said the issue is that it is not permitted for construction waste. He said they just a received permit for the transfer station. He said currently they use the BIA or transfer station. He said they use Santa Fe County for a big portion of dumping. He said the transfer station will come on line in 4-5 months. He said right now, most of the waste is going to Rio Rancho through North Central Solid Waste Management Authority.

Mr. Romero said the percentage is 15% from Santa Fe County.

Commissioner Chavez welcomed them to the meeting. He asked them to expand on recycling parameters.

Mr. Romero said they are diverting and using air burn for green waste. The ashes are allowed for free, and some through MSW to Rio Rancho. He said their recycling rate is about 9%, commenting that hasn't been pushed because of the other issues they have to address right now.

Commissioner Chavez said we need to incorporate them into our system as much as possible. He said this information is being incorporated into the current study being done.

Commissioner Mayfield talked about the illegal dumping, noting about 15% of trash is illegal dumping.

Mr. Romero said they don't have the exact numbers. He said they do know the boundary lines, but it falls under Espanola jurisdiction, noting a portion is in Santa Fe County, mostly along SR 76. He said illegal dumping is easy to find but it is hard to define where it is coming from. He said they are trying to rectify a lot of this by providing carts.

Commissioner Mayfield asked, specifically along SR76, if there is curbside pickup and because of that, if people in that area are not throwing in arroyos.

Mr. Romero said there is door to door pickup, including along SR76. He reiterated there has been illegal dumping for a long time, but it is difficult to determine the source, and they don't have the resources to really investigate the source. He said he doesn't have good numbers, commenting that they really don't have the jurisdiction. He said there are about 60 Santa Fe residents who have services who pay the monthly fee.

Mr. Barela said there is no MOU, patrol and compliance officer, and they have had several complaints in the area. He said individuals dumping at various sites illegally.

Commissioner Mayfield asked if there are regular weekly pickups, and if we need to work with North Central to get them as customers.

Mr. Barela said he would be willing to work on this.

Commissioner Mayfield asked about medical waste.

Mr. Romero said they are not permitted to accept medical waste.

Chair Ives said you mentioned several times that there 60 SF County residents participating and making payments in your system.

Mr. Romero said this is correct, noting Santa Fe County falls into Espanola, so they are covered by the City of Espanola.

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九龍區議會

先山

Commissioner Chavez said illegal dumping seems to be common practice, and no matter what we do to encourage recycling or curbside pickup, it still seems to be part of the equation for whatever reason. He doesn't know if it's something we have to accept, or if it something we can work to minimize. He doesn't think the practice will go away completely, commenting this is just his observation.

Mr. Campos said he thinks it is phasing out as the public becomes more educated. He said 15 years ago, everybody had a landfill where they were dumping their trash which was not monitored and not sanctioned. He said there is a Mexican population that has come into the United States which also is used to dumping wherever they feel like it, and they are dealing with that. He said if they stay here, and their children become more educated, he thinks it will improve. He said, he too, believes that the practice won't go away.

Commissioner Holian thanked them for their presentation. She asked, for clarification, if Mr. Romero was saying that when they open the transfer station, will they be cutting back on their pickup service.

Mr. Romero said no, but they will be promoting self-hauling, looking at the rural areas, promoting recycling, actually promoting the facility altogether. They are hoping to cut down on the illegal dumping and having a way for these people to get their trash disposed of correctly.

Commissioner Holian asked the rates at the transfer station.

Mr. Romero said they have a permit program, so the County residents currently get 8 punches, or 1 cubic yard to dispose of yearly. He said they changed the process, but if they pay for the whole year at \$188, which is discounted, they receive an 8 punch card.

Mr. Campos said Rio Arriba County geographically is split by the Jicarilla Nation, and anything on the west side of the Nation from Dulce to Navajo Lake, is not part of the waste stream. He said there is a density of 3 people per mile which is pretty sparse.

Commissioner Mayfield asked what they charge for their curbside pickup.

Mr. Romero said it is \$17.10 per month.

Commissioner Mayfield asked if that is in addition to the transfer station permit.

Mr. Romero said no, it is included. He said when people pay for the year at \$188, people get an 8 punch card, and they still provide the door-to-door pickup with free recycling.

Responding to Commissioner Mayfield, Mr. Campos said Rio Arriba has mandated that every resident has to pay the \$17.10 a month. He said what is confusing is that if they pay for a full year, they get a punch card which allows them 8 trips to the transfer station.

Chair Ives asked Mr. Nagawiecki what is the cost in Los Alamos for curbside pickup.

Mr. Nagawiecki said it is \$18.15 per month.

Commissioner Mayfield asked if that fee includes transfer station drop-off.

Mr. Nagawiecki said yes, they get 12 free loads per year with the \$18.15 per month.

Chair Ives thanked Mr. Romero and Mr. Campos for attending the meeting today and sharing information with the Authority. He said we are looking to expand our landfill and looking at all of the relationships to see how we can do it better.

San Miguel County

Mr. Kippenbrock introduced **Les Montoya, San Miguel County Manager**, and **Harold Garcia, Public Works Director, San Miguel County**.

Mr. Kippenbrock thanked Mr. Montoya and Mr. Garcia for coming today and sharing information with SWMA.

Mr. Montoya thanked SWMA for working with them since 2009, and for providing the opportunity for an alternative disposal site, noting at times the regional landfill in Wagon Mount shuts down because of wind. He said if they shut down for too long, then waste piles up and they have to haul to Santa Fe. He said they hope in the future they can continue to work with Santa Fe. They are looking at minor changes in their solid waste system which will benefit all citizens.

Mr. Montoya introduced Daniel Encinas of the San Miguel County Public Works Division, and Albert Giron who is with the City of Las Vegas, noting Mr. Giron is the interim manager of Solid Waste Systems, both of whom are here to answer any questions you might have.

Mr. Montoya said San Miguel is about 4,700 sq. mi. He said they have 9-10 convenience centers, which are strategically placed in areas of County so residents can bring solid waste to us, noting 9 of the facilities are manned with an individual 5 days a week. He said they have compacter units and bulk containers as well. He said the biggest issue is transportation of the waste from these locations via I-25 to Santa Fe or Wagon Mound. He said most of the waste is compacted at the site, and a lot is not compacted and transferred open top to the landfill. He said they want to purchase a grinder so they can grind the waste that comes in and break it down into a more manageable form, so they can load more into the open top containers and transport a larger amount at a single time.

Mr. Montoya said all waste transportation is all in house, and they don't contract with anyone to do hauling. He said they have a \$1 million annual operation, noting about \$750,000 of those costs are covered by user fees at \$14.67 per month to residents in areas they serve. He said they decided the cost to provide services in some areas of Conchas was not beneficial, so they let a private contractor pick up those wastes to Tucumcari.

Mr. Montoya said they have a solid waste ordinance which addresses costs and how wastes are handled outside the normal residential waste. He said they need to utilize the two landfills, noting it is 55 miles to Wagon Mound and 40 miles to Pecos one-way to the Santa Fe landfill. They want to continue with that arrangement into the future.

Commissioner Mayfield asked Mr. Montoya if they grind their solid waste and transport it to the landfill.

Mr. Montoya said they are looking to do that. He said they looked at baling solid waste and then looked at a grinder, and found the grinder would be more effective than a baler, in terms of the volume of waste being transported at one time. He said they visited a waste exposition in Las Vegas, Nevada, and looked at two different grinders. He reiterated they believe the kinds of waste they have and the capabilities of the grinder would make their system more efficient than the way they're doing this now.

Commissioner Mayfield asked Mr. Kippenbrock to comment about compounded ground waste, and asked if that would provide more capability in the cell to do this.

Mr. Kippenbrock said he can't answer. However, he believes it would increase compaction because of smaller particles, but in terms of percentage he can't answer that question.

Commissioner Mayfield would like a presentation on this possibility at a later date, and Mr. Kippenbrock said yes.

Chair Ives said it sounds similar to what Los Alamos is doing which is baling which has greater compaction which takes less space.

Mr. Montoya said there is less manpower involved in grinding material than in baling material, and reducing the personnel costs would be beneficial to them. He said the grinder will grind lots of kinds of materials – including concrete and metal. He said they have no intention of using it for the concrete or the metal.

Mr. Garcia said a lot of construction waste is taken to the convenience centers, which can be taken to Las Vegas where they can grind that material.

Commissioner Holian said then some County residents have pickup at \$14.67 per month.

Mr. Montoya said they don't pick up solid waste at the residences, and they come to the facility.

Commissioner Holian said then everybody uses the convenience centers.

Mr. Montoya said yes, that's what they promote.

Commissioner Holian said then everybody is charged \$14.67 per month.

Mr. Montoya said yes, for those residents that are in the areas where they set up the convenience centers. He said the residents in Conchas wouldn't be billed, because they don't provide any sort of service in that area.

Commissioner Holian asked if they provide service to people who live in Glorieta, who are in Santa Fe County.

Mr. Montoya said yes, they use the Pecos convenience center, and they are charged \$14.67 or, if they show up with bulky items, they may be billed directly for bulk bale which would come from the baling operation.

Responding to Commissioner Holian, Mr. Montoya said the billing is based on cubic yards, noting they have no scales at any of the site.

Mr. Kippenbrock asked how many days they struggle with the landfill closure at Wagon Mound.

Mr. Garcia said it averages about 2-3 days to a month. However, the City of Las Vegas partners with them and they help with them with overnight storage and with transportation.

Chair Ives asked the amount of waste stream which goes from San Miguel County to Wagon Mound.

Mr. Garcia said it is about 6,400 tons annually.

Mr. Garcia said the waste stream does not include the City of Las Vegas. He said the City of Las Vegas sometimes has a bigger problem, noting they have been having to haul waste either to Moriarty or Tucumcari, which is a bigger inconvenience to them. He said they create twice the tonnage of San Miguel County.

Commissioner Mayfield asked the percentage of recycling.

Mr. Garcia said they received a grant and they implemented a program 6-8 months ago, so right now the numbers are minimal because they are new to this effort, so they have no numbers to present. He noted Las Vegas has been recycling for 4-5 years.

Commissioner Holian asked where they are taking their recycling.

Alvin Giron said they are selling their recyclables to different companies in Albuquerque or Waste Management. He said the recycling is picked up by people purchasing it.

Commissioner Mayfield asked if residents are allowed to deposit recycling free of charge.

Mr. Garcia said the recycling program is free in Las Vegas. He said there is no charge at the convenience centers. He said Las Vegas changed its rate schedule 3 years ago to consider recycling in the basic rate structure.

Commissioner Mayfield said people are depositing recyclables at the convenience centers, and asked where it goes from there.

Mr. Garcia said they have containers that go on their roll-up truck, and people dispose of it in those containers. Then they pick up those containers at the site and bring the recyclables to the City of Las Vegas.

Chair Ives thanked them for coming today and sharing information and they look forward to continuing to work with them.

MCT

Mr. Kippenbrock noted there is a representative from MCT in attendance and invited him to come forward.

The MCT representative declined.

Wrap-Up

Chair Ives said the recommendation is to hold off taking any action until the solid waste assessment study was done, and asked if this is the general consensus of the members.

Commissioner Holian said this is her preference.

Commissioner Chavez concurred, commenting he would like to respect staff recommendations in this regard. He said the information today will add another layer, and we need time to process that before we make a clear decision. He looks forward to the staffs' recommendation.

Commissioner Chavez said he has to leave, but he can meet with staff.

Commissioner Chavez departed the meeting.

Commissioner Mayfield said he would like information on tipping fees regionally. He said he thinks it's wise to partner with local communities to reduce costs.

Commissioner Mayfield wants to hear more about grinding solid waste going to the landfill, and more discussion on recycling in terms of extending the life cycle of the landfill.

Commissioner Mayfield said we now have a longer life cycle at Caja del Rio than what we had 10 years ago.

Mr. Kippenbrock said, "Since the Great Recession, yes."

Commissioner Mayfield said two weeks ago, this Board voted to allow other streams of waste to come in, and it is reflected in the minutes, and that will change the projected life cycle at Caja del Rio as well. He reiterated we need to work cooperatively, and he would like to look at new technology to extend the life of our landfill. He thanked everyone who attended today, and said he is glad this discussion has begun.

Chair Ives said he will work to get the requested information to the members of the Authority.

It was the consensus among the membership that no action will be taken on this item today.

(B) DISCUSSION WITH POSSIBLE ACTION ON ADDITIONAL SPECIAL WASTE CATEGORIES AS PART OF THE CAJA DEL RIO LANDFILL PERMIT RENEWAL AND MODIFICATION

A copy of *Types of Solid Waste Permitted and Recommended for the Caja del Rio Landfill*, is incorporated herewith to these minutes as Exhibit "2."

Randall Kippenbrock, Executive Director, presented information regarding this matter from his Memorandum dated August 13, 2013, with attachments, to the SFSWMA Joint Powers Board, which is incorporated herewith to these minutes as Exhibit "3." Please see Exhibits "2" and "3" for specifics of this presentation.

Commissioner Holian asked if the reason we are considering accepting additional special waste categories is for the convenience of the community or if it is for income, noting she didn't attend the previous meeting of the Board.

Mr. Kippenbrock said it is for convenience. He said historically they have receive requests that would fall under the industrial solid waste category or the spill category. He said it is not from an income perspective all.

Commissioner Holian asked for an example of TFCH – what material would be under that category.

Mr. Kippenbrock said this is a gray area, noting TFCH would be very similar to a spill category. He said the one that comes to mind are flat roof roofing materials, which have two compounds they mix together. He said if there was a spill, it would have to be neutralized to a non-hazardous condition, otherwise it would have to be transported to another facility. He said TFCH could be a business that takes the hazardous waste, neutralizes it, and then disposes of it at a landfill. He said this is something we probably never will see. He said there are 6 landfills permitted to take it, however it isn't being reported unless it is under the category of "Other Special Waste," which isn't separated out.

Commissioner Mayfield said then other landfills do accept the TFCH, that Mr. Kippenbrock is recommending for acceptance, throughout the region and/or the State.

Mr. Kippenbrock said yes, noting it is on page 4 of the Memorandum.

Commissioner Mayfield said if individuals wanted to do it they would just have to pay the transportation costs, and asked if it is just convenient for them.

Mr. Kippenbrock said yes, it is for convenience.

Commissioner Mayfield said Mr. Kippenbrock has gone through this in prior meetings, and asked if there are any issues with the water table underneath the landfill, potential leakage or leaching.

Mr. Kippenbrock said, "No."

Commissioner Mayfield asked if different monitoring has to happen in this regard.

Mr. Kippenbrock said the only additional requirement is that we have separate disposal management plans, which have to be manifest and recorded. He said there is additional paperwork, but in terms of these particular kinds of waste, there are no additional requirements in place when we do place it for disposal.

Commissioner Mayfield asked if this goes into a different area within the landfill, or just into the general area.

Mr. Kippenbrock said it goes into the same area as all other landfill trash.

Commissioner Mayfield asked if we could have a separate cell just for this type of material so we could have a different monitoring of it.

Mr. Kippenbrock said the thing about special waste is that is more about special handling, and not so much about the environmental concerns.

Commissioner Mayfield said he has concerns and if we had a special place for it, we could have special training, different certifications for staff.

Mr. Kippenbrock said the disposal management plan does outline the training requirements, disposal requirements as well as the record-keeping requirements for each one.

Commissioner Mayfield asked if there would be a recommendation to let this go with our regular MSW commercial waste and not have a special smaller cell just for this type of waste.

Mr. Kippenbrock said, from an operational standpoint, he would like to keep it in one working area. He said we currently accept water treatment plant sludge, about 1100 tons, which is placed with the regular trash at the landfill, and that also is a special waste.

Responding to Commissioner Mayfield, Mr. Kippenbrock said the best example of TFCH would be unspent material that needs to be neutralized to a non-hazardous standard – a 55 gallon drum of acetone.

Commissioner Mayfield asked how we want to handle and monitor it.

Mr. Kippenbrock said it would have to be solidified and neutralized to a non hazardous material.

Commissioner Mayfield said then it is already non-hazardous before we accept it.

Mr. Kippenbrock said this is correct, noting the generator of the waste is responsible for ensuring that when we do accept it, that it meets all the requirements. They have to fill out a waste profile before we can accept it. He said, "Keep in mind, that is a case-by-case, and if it is something that we're not comfortable with, we do not have to accept it."

Chair Ives noted in the next item on the agenda, on page 14 of that portion of the packet, there is a listing of all the various monitoring that is done annually. Which includes methane, various groundwater issues, leachates, and presumably, this is coming in as treated waste and goes into the regular stream. He asked if there were any problems with it that would be picked up by the monitoring activities.

Ms. Kippenbrock said this is correct.

Commissioner Mayfield asked if we accept mercury.

Mr. Kippenbrock said that would be considered a hazardous waste.

Commissioner Mayfield asked if there would be different certification for staff to handle this.

Mr. Kippenbrock said there is no additional certification, but it is considered in-house training.

Commissioner Mayfield asked if there is a line item in the budget for this.

Mr. Kippenbrock said there is no budget for this particular one, and it will be incorporated into the overall training that we have with our staff.

Commissioner Mayfield asked if there will be a special fee for these kinds of materials coming into the landfill, or will it be the standard tipping fee rate.

Mr. Kippenbrock said the only higher activity fee we have at this time is for petroleum contaminated soil, that is not treated for disposal. He said he hasn't considered different fees at this time. He said his assumption is if the waste already is treated and meets standards and goals immediately, then the tipping fee will remain the same.

Chair Ives said it is good to build in flexibility because you don't know what the future holds. He said there are various markets for these special wastes, although the NMED doesn't tell us where it is being transported from. It could become complementary to our waste stream and would serve our communities if they need to dispose these kinds of wastes.

MOTION: Councilor Dimas moved, seconded by Commissioner Holian, to approve this request, with the clarification that it is only for the industrial solid waste, spilled substances and TFCH, as recommended by staff.

DISCUSSION: Councilor Rivera asked when the monitoring system would pick up something that isn't clean.

Mr. Kippenbrock said the monitoring system is site specific for the 3 types of monitoring we have. The groundwater monitoring that you detect in groundwater contamination, the depth of the lowest point of the waste is approximately 70 feet below grade. The depth to the top of the groundwater table is approximately 325 feet, so there is a separation there. There is also the monitoring for landfill gas and other parameters, but most importantly, because we have the Caja del Rio landfill to meet Subtitle D regulations, we have liners in place, which is a thick plastic which is laid down on the floor and the side slope. The floor and the side slope are designed for all these liquids, we call leachate, to come to a low point.

Councilor Rivera asked, if somebody brought in a hazardous material that has not been neutralized yet, when would that get caught – when would we identify that.

Mr. Kippenbrock said, "If someone brought in a regulated hazardous material, that would be contained in the liner system that we have in place. For the record, I would like to let all the Board members know that approximately 4% of residential waste is considered hazardous waste, but it is exempt from the rules regulating hazardous waste."

Councilor Rivera said, "If we have a hazardous material that has not been cleaned up that, and they dump it into the regular stream, and it had some kind of toxic effect that would affect breathing and our employees are out there, it wouldn't get caught. It would be contained in the liner, I understand what you're saying, but it wouldn't get caught in any way until employees started having problems."

Chair Ives said, on that point, to some degree we rely on the people bringing waste to the landfill not to be dumping inappropriate materials. He said we do some visual inspection of those materials, presumably the

special waste categories have been detoxified, and there may be a greater safety factor in those wastes than in the wastes which haven't been treated, noting penalties and awareness of people bringing the non-special wastes that have been treated is much less than those who have actually had to treat that waste.

Councilor Rivera asked, "And when would that get identified, if they weren't treated properly."

Chair Ives said he doesn't think we test when things are coming in, and never have to his knowledge, whether a particular waste stream contains toxic materials. He said people regularly throw away batteries and miscellaneous small items like that which the system isn't designed to pull out. He said in terms of testing, it's a question of the chemical processes. He said some will be dependent on moisture and a host of things, commenting he is unsure it is possible to calculate that with any accuracy.

Commissioner Holian said, "It seems to me that these waste particular waste streams would actually be regulated and overseen by NMED. Is that correct. Would people that dump those sorts of waste streams have to be overseen by NMED."

Mr. Kippenbrock said, "Yes, that would be the case. However, keep in mind that the generators are responsible for disposing of their waste. You conceivably could have a generator that is not aware of the special requirements. I would not put it past... that these same generators might not be fully aware that they should obtain a special waste permit prior to coming to our landfill. I'm just playing devil's advocate on this."

Commissioner Holian said, "But they would have to get a special permit to be able dump at Caja del Rio, right."

Mr. Kippenbrock said, "To my knowledge, yes. The two that I know of. For example, like sludge. Staff has to have a disposal management plan and they do an analysis ahead of time, and most of these three we're requesting, would need to be tested prior before we can give them permission to come to our facility. They would need to be manifest."

Commissioner Holian said then they would get the permit from NMED.

Mr. Kippenbrock said they generally work with the generators. He said for example, if ABC company had some spill, we would work closely with them to identify what task needs to be done, and the minimum testing to be done, and once we see it doesn't exceed the limit for hazardous waste, and it needs to be in a solidified form as well. He said we do get calls, and once we learn what we think may be the content, then we make a decision that we can't accept them and give them other possible landfills to talk with.

Commissioner Holian said then we have some control over whether or not to accept these kinds of wastes, if we feel confident that the waste was or was not properly treated.

Mr. Kippenbrock said yes. He said even though we are permitted for petroleum contaminated soil, we have turned those away because we felt we couldn't handle those in a manner we feel is best for our landfill.

VOTE: The motion was approved on a voice vote, with Commissioner Holian, Commissioner Mayfield, Councilor Dimas and Councilor Rivera voting in favor of the motion, no one voting against and Commissioner Chavez absent for the vote.

(C) REQUEST FOR APPROVAL OF AMENDMENT NO. 1 TO THE PROFESSIONAL SERVICES AGREEMENT WITH BLUEWATER ENVIRONMENTAL CONSULTING, LLC, OF SANTA FE, NM FOR ENVIRONMENTAL SERVICES FOR THE CAJA DEL RIO LANDFILL AND BUCKMAN ROAD RECYCLING AND TRANSFER STATION IN THE AMOUNT OF \$46,996.65 (RFP NO. 12/27/P).

Randall Kippenbrock, Executive Director, presented information regarding this matter from his Memorandum dated August 8, 2013, with attachments, to the SFSWMA Joint Powers Board, is incorporated herewith to these minutes as Exhibit "4." Please see Exhibit "4" for specifics of this presentation.

MOTION: Commissioner Mayfield moved, seconded by Commissioner Holian, to approve this request.

DISCUSSION: Councilor Ives asked if the \$1.50 per mile and vehicles at \$50 per day is standard for these kinds of activities, noting this is higher than most people are paying for mileage.

Mr. Kippenbrock said these are standard numbers, noting that since Bluewater Environmental is in Santa, they may not be using those expenses, but it is just part of the fee schedule he has for all clients.

Chair Ives noted they charge \$40 for secretaries.

VOTE: The motion was approved unanimously on a voice vote.

VII. MATTERS FROM STAFF

Mr. Kippenbrock welcomed Danita Bettner, the new BuRRT site manager, noting she has 10 years experience in consulting, and has a Bachelor's and Master's from New Mexico State University in Civil and Environmental Engineering. Her last 10 years has been in the solid waste industry.

Commissioner Holian asked if BuRRT has a reuse area.

Ms. Bettner asked if she is speaking of a repurpose and recycling, and Commissioner Holian said yes. Ms. Bettner said no they do not.

Chair Ives welcomed Ms. Bettner on behalf of the Board and said we look forward to working with her for a smooth operation at the BuRRT.

VIII. MATTERS FROM THE BOARD

Councilor Rivera noted that he received an email that State Representative Stephen Easley just passed away, and extended condolences to his family.

Chair Ives spoke of his friendship with Representative Easley, and also extended condolences, saying the last time he saw him he seemed to be on the mend.

Mr. Kippenbrock said on Thursday, August 22, 2013, he, Commissioner Holian and Councilor Rivera will be meeting downtown at City Hall at 8:30 a.m., to go on a tour of the recycling plant in Albuquerque. He said the tour will be 1 to 1½ hours, with an on-site lunch provided. He said they should be back to Santa Fe between 1:00 and 1:30 p.m. He asked other members of the Board to let him know if they would like to join them for the tour.

Councilor Rivera thanked Lisa Merrill for making these arrangements.

IX. NEXT MEETING DATE – Thursday, September 19, 2013

Chair Ives noted at the next meeting we will be discussing the submission of the renewal permit, noting it takes about 18 months to get the permit through the process, and urged all members to attend.


X. ADJOURNMENT

There was no further business to come before the Board and the meeting was adjourned at 2:11 p.m.

APPROVED BY:


 **VICE CHAIR**
Peter N. Ives, Chair

ATTESTED TO:

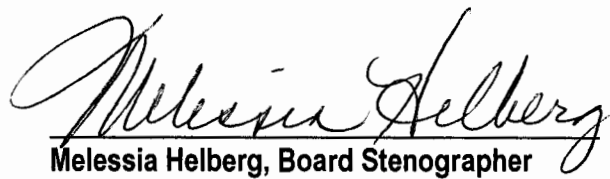

Yolanda Y. Vigil, City Clerk



ATTEST:


GERALDINE SALAZAR
COUNTY CLERK
9/23/13

SUBMITTED BY:


Melessia Helberg, Board Stenographer

REC'D CLERK RECORDED 88/23/2013

MEMORANDUM

To: SFSWMA Joint Powers Board Members
From: Randall Kippenbrock, P.E., Executive Director (RLK)
Date: August 12, 2013
Subject: Discussion with Possible Action on the Caja del Rio Landfill Accepting Out-of-County Waste Generated from the Geographic Areas of San Miguel County, Rio Arriba County and Los Alamos County.

BACKGROUND & SUMMARY:

On July 15, 2013, the Board requested a presentation on accepting out-of-county waste at the Caja del Rio Landfill, particularly from Rio Arriba County and Los Alamos County. As such, the matter is being introduced at this meeting for discussion with possible action.

On August 6, 2013, Agency staff sent a letter of invitation via email to interested parties to attend the meeting to provide their input and comments on allowing out-of-county waste from various entities and private sectors that do business from the geographic areas of San Miguel County, Rio Arriba County and Los Alamos County (see attached letter). Invitees include, but are not limited, San Miguel County, City of Las Vegas, NM, Rio Arriba County, North Central Solid Waste Agency, Los Alamos County, Waste Management of New Mexico, MCT Waste, Capital Scrap Metal, and Santa Fe Waste.

From a historical prospective, the subject on out-of-county waste was presented to the Board in 1999, 2003, and 2008. Each time it did not obtain the required approvals needed from all three entities – (City of Santa Fe, Santa Fe County, and Agency) as per the Joint Powers Agreement (JPA).

North Central Solid Waste Agency (NCSWA) is comprised of Rio Arriba County, City of Española, San Juan Pueblo and Santa Clara Pueblo. NCSWA generates approximately 80 tons per day of solid waste or 30,000 tons per year. The amount of waste generated by NCSWA equates to approximately six transfer trailers per day to the landfill Monday through Friday, a 4% increase in vehicle count.

Los Alamos County (LAC) generates approximately 20,000 tons per year. In 2007, LAC disposed of 2,100 tons at its county landfill that originated from the Los Alamos National Laboratory (LANL). Of that, 256 tons were office/restaurant waste and 880 tons were C&D waste. According to LAC, all LANL waste is managed under strict disposal procedures. The amount of waste generated by LAC equates to approximately four transfer trailers per day to the landfill Monday through Friday, a 3% increase in vehicle count.

In 2000, in accordance with the JPA, the Agency entered into an MOU with San Miguel County to allow out-of-county waste into the landfill from the Village of Pecos. In 2012, San

Miguel County transported 239 loads or approximately 1,600 tons of waste to the landfill, which equates to approximately five loads per week.

Accepting waste from the geographic areas of San Miguel County, Rio Arriba County and Los Alamos County will potentially increase the tonnages at the landfill from 150,000 to 200,000 tons per year. The increase in tonnage will also increase revenues, which in turn will allow the Agency to achieve economies of scale by decreasing the cost per ton of waste. On the other hand, processing the additional tonnages from these areas will decrease the available airspace for disposal (reducing the number of years or life of the landfill). In addition, this will also require cell development more frequently.

The Agency along with the City of Santa Fe and Santa Fe County are jointly involved on a solid waste assessment and management study that includes the out-of-county waste as an evaluation component.

ACTION REQUESTED:

Staff recommends no action be taken by the Board on the out-of-county waste until after the solid waste assessment and management study is completed in early 2014.

The matter is before the Board for discussion with possible action.

Attachment: Letter of Invitation to August 15th JPB Meeting Regarding Out-of-County Waste

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SANTA FE SOLID WASTE MANAGEMENT AGENCY

*Caja del Rio Landfill
Buckman Road Recycling and Transfer Station*

August 6, 2013

VIA EMAIL

Dear Interested Party:

The Santa Fe Solid Waste Management Agency, cordially invite you to attend our Joint Powers Board regular meeting on Thursday, August 15th at 12:00 p.m. to provide input on allowing out-of-county waste to be disposed of at the Caja del Rio Landfill. We value your input and wish to hear your comments to help us make decisions about accepting out-of-county waste generated from San Miguel County, Rio Arriba County and Los Alamos County.

The meeting will be held in the Legal Conference Room on the 2nd Floor of the Santa Fe County Administration Building, 102 Grant Avenue, Santa Fe, New Mexico.

The Agency along with the City of Santa Fe and Santa Fe County are jointly involved on a solid waste assessment and management study that includes the out-of-county waste as an evaluation component.

There is no need to formally prepare for the meeting, but if you are interested in the possibility of utilizing the Caja Del Rio Landfill, please bring information such as annual tonnage, waste type (e.g., municipal solid waste, construction & demolition debris), number of loads transported to landfill(s), etc. that could assist us in the decision-making process.

If you have any questions regarding this meeting or need more information, please feel free to contact me at rkippenbrock@sfswma.org or (505) 424-1850, ext. 100.

Thank you in advance for attending the Joint Powers Board meeting.

Sincerely,

Randall Kippenbrock, P.E.
Executive Director


Types of Solid Waste Permitted and Recommended for the Caja del Rio Landfill

WASTE TYPE	DESCRIPTION	ACCEPTS	RECOMMENDED
	TYPICAL WASTE AT MSW LANDFILLS		
MSW	Municipal solid waste is garbage/trash/rubbish generated by residential households.	X	
Commercial	Commercial waste is generated by commercial businesses, retailers, big box stores, and restaurants (e.g. Walmart, DeVargas Mall, Blue Corn restaurant).	X	
C&D	Construction and demolition is debris resulting from the renovation and construction of building(s).	X	
	SPECIAL WASTE		
Sludge⁽¹⁾	Sludge comes from municipal sources such as waste water treatment plants and water treatment plants (e.g., BDD, Canyon Road, City of Santa Fe WWTP).	X	
PCS⁽¹⁾	Petroleum contaminated soil is a result of local environmental cleanup efforts, such as leaky underground storage tanks at old gas stations.	X	
Not Otherwise Specified⁽²⁾	Waste and debris from a car wash sumps (e.g., Squeaky Clean, Tony's Rentals).		X
Industrial Solid Waste	Industrial solid waste is non-hazardous waste left over from industrial processes, such as the Shidoni Foundry in Nambe.		X
Chemical Spills or Commercial Products	Chemical spills or commercial products as a result of clean up materials from job site and highway/auto spills meeting specified non-hazardous concentration levels.		X
TFCH	Treated formerly characteristic hazardous wastes are non-liquid wastes that have been neutralized and treated to non-hazardous levels.		X
Offal	Offal is a result of slaughter and processing operations of livestock and game.		
Ash	Ash could come from a PNM power plant or other future incineration type process such as waste-to-energy plants.		
Infectious	Medical waste is generated by medical facilities, hospitals, and tattoo parlors/shops.		
Asbestos	Asbestos is a regulated material containing asbestos and is typically generated as a result of demolition activities of buildings dating back to 1980 and earlier (e.g. ceiling tile, floor tile, adhesives, insulation). This includes transite pipe (asbestos-cement material) and spray-on insulation used in older cooling plants.		

1. Currently permitted at Caja del Rio Landfill.
2. Approved by the JPB on December 13, 2012, to be included in the landfill permit renewal application.

Exhibit "2"

MEMORANDUM

To: SFSWMA Joint Powers Board Members
From: Randall Kippenbrock, P.E., Executive Director 
Date: August 15, 2013
Subject: Discussion with Possible Action on Additional Special Waste Categories as Part of the Caja del Rio Landfill Permit Renewal and Modification.

BACKGROUND AND SUMMARY:

On July 15, 2013, the Board tabled the discussion with possible action on additional special waste categories as part of the Caja del Rio Landfill Permit Renewal and Modification. As such, the matter is being re-introduced at this meeting for discussion with possible action.

Pursuant to 20.9.2.7 NMAC, special waste is a solid waste that has unique handling, transportation, and/or disposal requirements to assure protection of the environment and the public health, welfare and safety. There are 10 special waste categories and are listed below:

1. TFCH (treated formerly characteristic hazardous wastes)
2. Offal - packing house and killing plant
3. Regulated Asbestos Waste
4. Ash (except ash produced by law enforcement, household pharmaceutical waste, and structural fire damages)
5. Infectious Waste
6. Sludge
7. Industrial Solid Waste
8. Spill of a Chemical Substance or Commercial Product
9. PCS - Petroleum Contaminated Soils
10. Not Otherwise Specified (e.g., vehicle wash sump waste)

Attached (*Special Waste Landfills in New Mexico*) is a current listing of landfills in New Mexico that are permitted to accept special wastes. The Caja del Rio Landfill is permitted to accept petroleum contaminated soils and sludge. On December 13, 2012, the Board approved the Not Otherwise Specified special waste category to be included in the landfill permit application for renewal and modification.

Although infectious waste is covered under the special waste categories, it is applicable to transformation facilities, not municipal solid waste landfills. Therefore, it is not an applicable category of waste for consideration and Agency staff does not recommend accepting this type of material.

Disposal of regulated asbestos waste requires a separate excavation area that complies with all New Mexico Environment Department Solid Waste Bureau and Occupational Safety and Health Bureau regulations and standards. Furthermore, specialized training on the handling and disposal of regulated asbestos waste is required for workers. Therefore, the Agency staff does

not recommend accepting this type of material.

The remaining five special waste categories for consideration for acceptance at the Caja del Rio Landfill are:

1. Industrial Solid Waste
2. Spill of a Chemical Substance or Commercial Product
3. TFCH (treated formerly characteristic hazardous waste)
4. Ash
5. Offal- packing house and killing plant

To evaluate whether it is in the best interest of the Agency to accept the remaining special waste categories at the Caja del Rio Landfill, Agency staff compiled the 2012 reported quantities for all special waste for the State of New Mexico (see *2012 Special Waste Acceptance Summary*). Based on the reported quantities for statewide and nearby landfills, it appears that the three additional categories to take under consideration are: industrial solid waste, spill of chemical substance or commercial product, and TFCH.

By including these three additional categories of special waste in the application for the landfill permit renewal and modification, local businesses will be allowed to dispose of these special wastes at the Caja del Rio Landfill rather than transporting them to another permitted facility, which has happened in the past. Agency staff predicts the quantity for each of these special wastes will be limited, as the number of businesses in and around Santa Fe County that can potentially generate these wastes is minimal.

The one-time cost over the life of a 20-year landfill permit for each special waste category is approximately \$3,000.00 (\$1,000 for permitting fee and \$2,000 for disposal management plan). Cumulatively, the cost for three additional categories of special waste is approximately \$9,000.00.

ACTION REQUESTED:

The Agency staff recommends the Board approve the three additional special waste categories to be part of the application for the landfill permit renewal and modification: industrial solid waste, spill of chemical substance or commercial product, and TFCH.

The matter is before the Board for discussion with possible action.

Attachments: Special Waste Landfills in New Mexico
2012 Special Waste Acceptance Summary

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SPECIAL W/ E LANDFILLS
IN NEW MEXICO

[illegible]

2012 SPECIAL WASTE ACCEPTANCE SUMMARY

FACILITY	Asbestos	Ash	Spill of a Chemical Substance or Commercial Product ¹	Industrial Solid Waste	Offal	PCS	Sludge	TFCH ¹	Other Sludges ²	Other Special Waste ³
<u>Nearby Landfills</u>										
Caja del Rio LF (Santa Fe)						X	1,144			
Cerro Colorado LF			X	X	X	X	X	X	1	8
Estancia Valley Regional LF (Moriarty)		X	X	X	X	X	X			
Red Rocks Regional LF (Thoreau)				18,105		1,028	6			9
Rio Rancho Sanitary LF		X	X	4,618	X	2,267	12,083	X	1,755	3,133
Sandoval County LF						X	X			
Valencia Regional Landfill and Recycling Facility		X	X	10,723	X	6,854	X	X	282	80
<u>Other New Mexico Landfills</u>										
Butterfield Trail Regional LF (Deming)				2,087	X	259	302			
Camino Real LF ⁴				14,993		X	1,608			3,061
Clovis Regional Solid Waste Facility	X	X	X	X	X	X	X	X		
Corralitos Regional LF (Las Cruces)							1,051			
Keers Asbestos LF	2,702									
Lea County Regional LF			X	985	X	X	7	X		359
Lea Land Inc. Industrial Solid Waste LF	173		X	X		X	X			
Greentree/Otero County Regional LF	2,716					X	67			
San Juan County Regional LF (Aztec)			X	1,013	X	695	2,464	X		1,515
City of Socorro LF				X	X		776			
Southwest New Mexico Regional LF (Silver City)					15		X			
Tucumcari LF ⁵					X	X				

Notes:

1. Tonnages not reported individually on NMED Annual Reports. Material reported as part of the 'Other Special Waste'.
2. Other Sludges means any solid, semi-solid or liquid waste generated by a municipal, commercial or industrial waste water treatment plant, water supply treatment plant or air pollution control facility, but does not include treated effluent (sewage) from a waste water treatment plant.
3. Other special waste means other special wastes that are not specifically identified in the form. (e.g., Treated Formerly Characteristic Hazardous Waste (TFCH), spill of a chemical substance or commercial products).
4. Majority of special waste from out of state (e.g., El Paso).
5. Not accepting special waste at this time.

MEMORANDUM

To: SFSWMA Joint Powers Board Members
From: Randall Kippenbrock, P.E., Executive Director (RLK)
Date: August 8, 2013
Subject: Request for Approval of Amendment No. 1 to the Professional Services Agreement with BlueWater Environmental Consulting of Santa Fe, NM, for Environmental Services for the Caja del Rio Landfill and Buckman Road Recycling and Transfer Station in the Amount of \$46,996.65 (RFP No. '12/27/P).

BACKGROUND & SUMMARY:

On August 16, 2012, the Joint Powers Board approved RFP No. '12/27/P to BlueWater Environmental Consulting of Santa Fe, NM, for environmental services for the Caja del Rio Landfill and Buckman Road Recycling and Transfer Station (BuRRT).

Environmental services consist of the following tasks:

- Methane gas monitoring – Caja del Rio Landfill
- Groundwater discharge permit sampling & reporting – Caja del Rio Landfill and BuRRT
- Groundwater monitoring – Caja del Rio Landfill
- Leachate sampling – Caja del Rio Landfill
- Annual monitoring summary – Caja del Rio Landfill
- Facility inspections – Caja del Rio Landfill
- Other regulatory consulting services as assigned

Amendment No. 1 will increase the Agreement in the amount of \$46,996.65 for a total not-to-exceed amount of \$93,993.30 for environmental services for FY-14. The amendment will also extend the Agreement to August 15, 2014. As per Article 5 of the Agreement, the Agreement can be extended for additional time upon approval by the Board, not to exceed four years.

Funding is available in 52501.510300 (Professional Services).

ACTION REQUESTED:

Staff recommends approval of Professional Services Agreement with BlueWater Environmental Consulting for environmental services for the Caja del Rio Landfill and BuRRT in the amount of \$46,996.65.

- Attachments: 1) Professional Services Agreement – Amendment No. 1
2) Professional Services Agreement

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ATTACHMENT

Professional Services Agreement - Amendment No. 1

**SANTA FE SOLID WASTE MANAGEMENT AGENCY
AMENDMENT No. 1
PROFESSIONAL SERVICES AGREEMENT
(Environmental Services - 2012)**

This AMENDMENT No. 1 (the "Amendment") to the PROFESSIONAL SERVICES AGREEMENT, dated August 16, 2012 (the "Agreement"), is made and entered into between the Santa Fe Solid Waste Management Agency (the "Agency") and BlueWater Environmental Consulting, LLC, Santa Fe, NM (the "Contractor"). The Amendment shall be effective as of the date this Amendment is executed by the Agency.

RECITALS

Under the terms of the Agreement, the Contractor has agreed to provide environmental services to the Agency.

Pursuant to Article 18, Amendment of the Agreement, and for good and valuable consideration, the receipt and sufficiency of which are acknowledged by the parties, the Agency and the Contractor agree as follows:

1. SCOPE OF SERVICES

Article 1, Scope of Services of the Agreement is hereby amended to include the Scope of Services for FY-14 attached hereto as Exhibit A.

2. COMPENSATION

Article 3, Compensation of the Agreement is hereby amended to increase the amount of compensation by a total of Forty-Six Thousand Nine Hundred Ninety-Six Dollars and Sixty-Five Cents (\$46,996.65) so that Article 3 reads in its entirety as follows:

A. The Agency shall pay to the Contractor in full payment for services rendered, a sum not to exceed Ninety-Three Thousand Nine Hundred Ninety-Three Dollars and Thirty Cents (\$93,993.30), including applicable gross receipts taxes.

DESCRIPTION	AMOUNT
ORIGINAL CONTRACT	\$46,996.65
AMENDMENT NO. 1	\$46,996.65
CONTRACT TO DATE	\$93,993.30

B. Contractor shall be responsible for payment of gross receipts taxes levied by the State of New Mexico on the sums payable under this Agreement.

C. Payment shall be made upon receipt and approval by the Agency of detailed statements containing a report of services completed. Compensation shall be paid only for services actually performed in accordance with the Fee Schedule attached hereto in Exhibit A.

D. Detailed statements containing reimbursement expenses shall be itemized.

3. **TERM AND EFFECTIVE DATE**

Article 5, Terms and Effective Date of the Agreement is amended to define the term of the Agreement, so that Article 5 reads in its entirety as follows:

A. This Agreement shall be effective when signed by the Agency and shall terminate on August 15, 2014, unless terminated sooner pursuant to Article 6 below.

B. Pursuant to the limitations on multi-term contracts for professional services codified in NMSA 1978 § 13-1-150, this Agreement may not exceed four years, including all extensions and renewals. Subject to that limitation, the

Agreement can be renewed annually, if agreed upon by the Agency and the Contractor and approved by the Joint Powers Board.

4. **AGREEMENT IN FULL FORCE**

Except as specifically provided in this Amendment, the Agreement remains and shall remain in full force and effect, in accordance with its terms.

IN WITNESS WHEREOF, the parties have executed this AMENDMENT No. 1 to the Professional Services Agreement as of the dates set forth below.

SANTA FE SOLID WASTE
MANAGEMENT AGENCY:

Peter Ives
Chairperson

Date:

ATTEST:

Yolanda Y. Vigil
Santa Fe City Clerk

BLUEWATER ENVIRONMENTAL CONSULTING, LLC:

Don Duncan
Managing Member

Date:

APPROVED AS TO FORM:

Justin W. Miller
Agency Attorney

Date:

EXHIBIT A

Scope of Work
for
BlueWater Environmental Consulting. LLC

FISCAL YEAR 2014 SCOPE OF SERVICES

Santa Fe Solid Waste Management Agency

June 11, 2013

The following provides the Scope of Services BlueWater Environmental Consulting, LLC will provide Santa Fe Solid Waste Management Agency for Fiscal Year 2014.

TASK 1 METHANE GAS MONITORING – CAJA DEL RIO LANDFILL

To complete this task BlueWater will:

- Perform quarterly methane gas monitoring at 10 bar-hole probe locations and the permanent structures.
- Prepare a quarterly report for each methane monitoring event that includes, but is not limited to: executive summary, introduction, description of field methods, results with tables and figures, discussion, and conclusions.
- Submit the quarterly reports to the Solid Waste Bureau of the New Mexico Environment Department within 45-days of the monitoring event.
- Provide one report and one electronic version of each report on a CD-ROM to the Agency. Additionally, BlueWater will submit a copy of the report transmittal letter addressed to the Solid Waste Bureau with the Bureau's date stamp.

TASK 2 DP-1115 SAMPLING & REPORTING – BURRT

To complete this task BlueWater will:

- Report the volume of wastewater discharged monthly to the septic tank. BlueWater will determine the volume of discharge by obtaining monthly water meter readings from the City of Santa Fe.
- Collect semi-annual wastewater samples from the evaporation lagoon for analysis of total Kjeldahl nitrogen (TKN), nitrate for nitrogen (NO₃-N), total dissolved solids (TDS), and chloride.

- Conduct semi-annual inspections of the septic tank for the accumulation of scum and solids and prepare logs of the inspections.
- Submit semi-annual reports that include the above items to the Ground Water Quality Bureau by August 1 and February 1.
- Provide a copy of each report to the Agency. Additionally, BlueWater will submit a copy of the report transmittal letter addressed to the Ground Water Quality Bureau with the Bureau's date stamp.

TASK 3 DP-1120 SEMI-ANNUAL INSPECTIONS & REPORTING – CAJA DEL RIO LANDFILL

To complete this task BlueWater will:

- Conduct semi-annual inspections of the shop wash holding tank for the accumulation of wastewater and solids and submit inspection logs to the Agency.
- Conduct semi-annual inspections of the two septic tanks for the accumulation of scum and solids and submit inspection logs to the Agency.
- Conduct semi-annual visual inspections of the ground surface above the two leach fields for proper maintenance and possible damage. BlueWater will submit inspection logs to the Agency.
- Submit semi-annual reports that include the above items to the Ground Water Quality Bureau by August 1 and February 1.
- Provide a copy of each report to the Agency. Additionally, BlueWater will submit a copy of the report transmittal letter addressed to the Ground Water Quality Bureau with the Bureau's date stamp.
- Modify the sampling and reporting as necessary to comply with changes to the final permit requirements.

TASK 4 DP-1120 SAMPLING – CAJA DEL RIO LANDFILL

To complete this task BlueWater will:

- Collect annual samples of the wastewater from each of the two septic tanks for analysis of TKN.
- Sample wastewater from the equipment wash evaporation lagoon annually. Samples shall be analyzed for TDS, chloride, VOC using EPA method 8260, semi-volatile organics using EPA method 8270C, and metals using EPA method 7000A or 6010B. Compare the analytical results to the NMAC 20.6.2.3103 ground water standards and identify any analytes on the NMAC 6.2.7.WW toxic pollutants list with results and a list of elements or compounds that exceed ground water standards and/or toxic pollutants with concentrations greater than the detection limit of the analytical method.
- Include the above information in the semi-annual report due February 1.

TASK 5 GROUND WATER MONITORING – CAJA DEL RIO LANDFILL

To complete this task, BlueWater will perform the following services:

- Perform annual ground water sampling for three ground water monitoring wells and two piezometers.
- Sample the monitoring wells in accordance with the Sampling and Analysis Plan, Revision 1. The sampling method includes using low-flow bladder pumps that are powered by compressed nitrogen. To ensure that the monitoring wells have been adequately purged, BlueWater will monitor the temperature, pH, electro-conductivity (EC), redox potential (eH), and turbidity using a flow through cell.

- In addition to the ground water samples, the Sampling and Analysis Plan, Revision 1 specifies collecting the following quality control samples during each ground water sampling event:
 - Trip blank
 - Blind standard reference material/performance evaluation (SRM/PE) sample
 - Blind field duplicate
- Submit the samples to Hall Environmental Analysis Laboratory (HEAL) for analysis at detection limits that are equal to or less than the corresponding practical quantitation limit (PQL).
- Check the off-site "Headquarters Well" for the presence of water.
- Validate laboratory data using the USEPA Contract Laboratory Program, National Functional Guidelines for Organic Data Review (EPA, 1999) and USEPA Contract Laboratory Program, National Functional Guidelines for Inorganic Data Review (EPA, 2004) as guidelines. Data validation is necessary to assess the accuracy and precision of laboratory results.
- Use a T-test, with a type I error of 0.01, to statistically compare laboratory results to baseline levels pursuant to the Ground water Monitoring Plan, Revision 1.
- Prepare a monitoring report that includes, but is not limited to, an executive summary, the methods used for ground water sampling and laboratory analysis, results with tables and figures, a narrative discussion, and a conclusion.
- Submit the ground water report to the Solid Waste Bureau of the New Mexico Environment Department within 90-days of the monitoring event, pursuant to Subsection N of 20.9.9.10 NMAC.
- Provide one copy of the report and one electronic version of each report on a CD-ROM to the Agency. Additionally, BlueWater will submit a copy of the report transmittal letter addressed to the Solid Waste Bureau with the Bureau's date stamp.

TASK 6 LEACHATE SAMPLING – CAJA DEL RIO LANDFILL

To complete this task, BlueWater will perform the following services:

- Compile leachate pumping volumes from each cell for the prior year.
- Collect one composite leachate sample in proportion to the prior year's pumping volumes.
- Submit the sample to Hall Environmental Analysis Laboratory for analysis of 20.9.10.20 Subsections A and C.
- Prepare a monitoring report that includes, but is not limited to, an executive summary, the methods used for sampling and laboratory analysis, results with tables and figures, a narrative discussion, and a conclusion.
- Submit the report to the Solid Waste Bureau of the New Mexico Environment Department within 90-days of the monitoring event, pursuant to Subsection N of 20.9.9.10 NMAC.
- Provide one copy of the report and one electronic version of each report on a CD-ROM to the Agency. Additionally, BlueWater will submit a copy of the report transmittal letter addressed to the Solid Waste Bureau with the Bureau's date stamp.

TASK 7 ANNUAL MONITORING SUMMARY – CAJA DEL RIO LANDFILL

To complete this task, BlueWater will prepare an annual report that summarizes the following information:

- Methane monitoring results, sampling dates, and report submittal dates.
- Ground water monitoring results, sampling date, and report submittal date.
- Leachate monitoring results, sampling dates, report submittal date, and leachate pumping volumes.

TASK 8 INSPECTIONS – CAJA DEL RIO LANDFILL

To complete this task, BlueWater will perform the following services:

- Inspect the maintenance shop quarterly for best management practices of used oil, used anti-freeze, and other spent fluids.
- Submit an inspection report with recommendations to the Agency within 14-days of the inspection.
- Inspect the operations of the landfill quarterly for compliance with 20.9.2 – 20.9.10 NMAC and the current operations plan.
- Submit an inspection report with recommendations to the Agency within 14-days of the inspection.
- Attend Solid Waste Bureau inspections.

TASK 9 REGULATORY CONSULTING SERVICES

Upon request by the Agency, BlueWater will provide other consulting services not previously identified.

BlueWater Environmental Consulting, LLC
SANTA FE SOLID WASTE MANAGEMENT AGENCY
FISCAL YEAR 2014 BUDGET

Task	Invoice Item	Invoicing Basis	Unit Fee	Number of Units	Extended Fee
1	Quarterly Methane Monitoring & Reporting	Fixed fee	\$780.00	4	\$3,120.00
2	DP-1115 Semi-annual Monitoring & Reporting	Fixed fee	\$925.00	2	\$1,850.00
3	DP-1120 Semi-annual Inspections & Reporting	Fixed fee	\$800.00	2	\$1,600.00
4	DP-1120 Annual Sampling	Fixed fee	\$1,400.00	1	\$1,400.00
5	Annual Ground Water Detection Monitoring & Reporting	Fixed fee	\$8,750.00	1	\$8,750.00
6	Leachate Sampling & Reporting	Fixed fee	\$3,750.00	1	\$3,750.00
7	Annual Monitoring Summary	Fixed fee	\$670.00	1	\$670.00
8	Quarterly Shop & Operations Inspections	Fixed fee	\$575.00	4	\$2,300.00
9	Consulting Services	Time and Materials	Per Fee Schedule	As assigned by the Agency	\$20,000.00
Subtotal					\$43,440.00
NMGRT @ 0.081875					\$3,556.65
Total					\$46,996.65

COMMENTS

Task 5

Includes costs for checking the Headquarters Well for the presence of water, but does not include costs for sampling if water is present.

BlueWater Environmental Consulting, LLC

Fee Schedule January 1, 2012

Professional Services by Title

Principal	\$125.00
Senior	\$100.00
Project Scientist	\$80.00
Staff Scientist	\$65.00
Technician	\$50.00
Secretary	\$40.00

Expenses

Mileage	\$1.50/mile
Field vehicle	\$50.00/day
Bladder Pump	\$125.00/day
Bladder Pump Tubing	\$2.50/foot
DTW meter	\$35.00/day
pH meter	\$15.00/day
EC meter	\$15.00/day
Turbidity meter	\$25.00/day
Methane meter	\$35.00/day
Slide hammer	\$10.00/day
Stainless steel, gas probe	\$15.00/day
Expendable supplies	cost + 10%
Rented equipment	cost + 10%
Subcontractor or vendor fees	cost + 10%

ATTACHMENT

Professional Services Agreement

**SANTA FE SOLID WASTE MANAGEMENT AGENCY
PROFESSIONAL SERVICES AGREEMENT
(Environmental Services - 2012)**

This PROFESSIONAL SERVICES AGREEMENT ("Agreement") is made and entered into by and between the Santa Fe Solid Waste Management Agency ("the Agency") and BlueWater Environmental Consulting, LLC, Santa Fe, NM (the "Contractor") for Environmental Services for the Caja del Rio Landfill and Buckman Road Recycling and Transfer Station (RFP No. '12/27/P) as described in Exhibit A and below. The Agreement shall be effective as of the date this Agreement is executed by the Agency.

1. SCOPE OF SERVICES

The professional services subject to this Agreement are set forth in the Scope of Work attached hereto as Exhibit A.

2. STANDARDS OF PERFORMANCE; LICENSES

A. Contractor represents that it possesses the experience and knowledge necessary to perform the services described in this Agreement.

B. Contractor agrees to obtain and maintain throughout the term of this Agreement all applicable professional and business licenses required by law for itself and its employees, agents, representatives and subcontractors.

3. COMPENSATION

A. The Agency shall pay to Contractor in full payment for services rendered, including applicable gross receipts taxes, a sum not to exceed Forty-Six Thousand Nine Hundred Ninety-Six Dollars and Sixty-Five Cents (\$46,996.65).

B. Contractor shall be responsible for payment of gross receipts taxes levied by the State of New Mexico on the sums payable under this Agreement.

C. Payment shall be made upon receipt and approval by the Agency of detailed statements containing a report of services completed. Compensation shall be paid only for services actually performed in accordance with the fee schedule set forth in the Scope of Work hereto attached in Exhibit A.

D. Detailed statements containing reimbursement expenses shall be itemized.

4. APPROPRIATIONS

The terms of this Agreement are contingent upon sufficient appropriations to and authorization from the Joint Powers Board for the Agency for the performance of this Agreement. If sufficient appropriations are not made or authorization provided, this Agreement shall terminate upon written notice from the Agency to Contractor. The Agency shall be responsible for charges incurred up to the date of notification under this Section per Section 6 of this Agreement. The Agency's decision as to whether sufficient appropriations are available shall be accepted by Contractor and shall be final.

5. TERM AND EFFECTIVE DATE

A. This Agreement shall be effective when signed by the Agency and terminate on August 16, 2013, unless it is terminated sooner pursuant to Article 6 below.

B. Pursuant to the limitations on multi-term contracts for professional services codified in NMSA 1978 § 13-1-150, this Agreement may not exceed four years, including all extensions and renewals. Subject to that limitation, the Agreement can be renewed annually, if agreed upon by the Agency and Contractor and approved by the Joint Powers Board.

6. TERMINATION

The Agency may terminate this Agreement upon ten (10) days written notice to Contractor. If the Agency terminates the Agreement:

- 1) Contractor shall render a final report of the services performed up to the date of termination and shall turn over to the Agency original copies of all work product, research, or papers prepared for the services covered by this Agreement. The Agency shall pay Contractor for services rendered and expenses incurred under this Section, including for preparation of the final report.
- 2) If compensation is not based upon hourly rates for services rendered, the Agency shall pay Contractor for the reasonable value of services satisfactorily performed through the date Contractor receives notice of such termination for which compensation has not already been paid.
- 3) If compensation is based upon hourly rates and expenses, Contractor shall be paid for services rendered and expenses incurred through the date Contractor receives notice of such termination.

7. STATUS OF CONTRACTOR; RESPONSIBILITY FOR PAYMENT OF EMPLOYEES AND SUBCONTRACTORS

- A. Contractor, its agents, and its employees are independent contractors performing professional services for the Agency and are not employees of the Agency.
- B. Contractor, its agents, and its employees shall not accrue leave, retirement, insurance, bonding, or any other benefits afforded to employees of the Agency, and shall not be permitted to use Agency vehicles in the performance of this Agreement.
- C. Contractor shall be solely responsible for payment of wages, salaries, and benefits to any and all employees or subcontractors Contractor retains to perform any of its obligations pursuant to this Agreement.

8. CONFIDENTIALITY

Any confidential information provided to or developed by Contractor in the performance of this Agreement shall be kept confidential, and shall not be made available to any individual or organization by Contractor without the Agency's prior written approval.

9. CONFLICT OF INTEREST

Contractor warrants that it presently has no interest and shall not acquire any interest, direct or indirect, that would conflict in any manner or degree with its performance of its obligations pursuant to this Agreement. Contractor further agrees that it shall not employ or contract with anyone in the performance of this Agreement that has any such conflict of interest.

10. ASSIGNMENT; SUBCONTRACTING

Contractor shall not assign or transfer any rights, privileges, obligations or other interests under this Agreement, including any claims for money due, without the Agency's prior written consent. Contractor shall not subcontract any portion of the services to be performed under this Agreement without the Agency's prior written approval.

11. RELEASE

Contractor, upon acceptance of final payment of the amount due under this Agreement, releases the Agency, its officers, and its employees from all liabilities, claims, and obligations whatsoever arising from or under this Agreement. Contractor agrees not to purport to bind the Agency to any obligation not assumed herein by the Agency unless Contractor has express written authority to do so, and then only within the strict limits of that authority.

12. INSURANCE

A. Contractor, at its own cost and expense, shall carry and maintain in full force and effect during the term of this Agreement professional liability insurance of \$1,000,000 for each claim, comprehensive general liability insurance of \$1,000,000 for each occurrence

and \$2,000,000 in general aggregate coverage for bodily injury and property damage liability, in a form and with an insurance company acceptable to the Agency. The Agency shall be named as an additional insured under the insurance policy, and the policy shall provide that the Agency will be notified no less than 30 days before the policy is cancelled for any reason. Contractor has furnished the Agency with a copy of a Certificate of Insurance or other evidence of Contractor's compliance with the provisions of this section as a condition of entering into this Agreement.

B. Contractor shall carry and maintain Workers' Compensation insurance in accordance with New Mexico law to provide coverage for Contractor's employees throughout the term of this Agreement. Contractor shall provide the Agency with evidence demonstrating that appropriate Workers' Compensation insurance has been obtained.

C. Contractor shall also carry and maintain sufficient automobile liability insurance throughout the term of this Agreement to cover no less than \$1,000,000 combined single limit for each accident.

13. INDEMNIFICATION

Contractor shall indemnify, hold harmless and defend the Agency from all losses, damages, claims or judgments, including payment of all attorneys' fees and costs on account of any suit, judgment, execution, claim, action, or demand whatsoever to the extent arising from the negligent acts, errors, or omissions, or willful and reckless disregard of obligations under this Agreement, in the performance of any services covered by this Agreement, whether occurring on Agency managed or owned property or otherwise, by Contractor or its employees, agents, representatives, or subcontractors, excepting only such liability that arises out of the Agency's negligence.

14. NEW MEXICO TORT CLAIMS ACT

Any liability incurred by the Agency in connection with this Agreement is subject to the immunities and limitations set forth in the New Mexico Tort Claims Act, NMSA 1978 §§ 41-4-1 to 41-4-27. The Agency and its employees do not waive sovereign immunity, any available defense, or any limitation of liability recognized by law. No provision in this Agreement modifies or waives any provision of the New Mexico Tort Claims Act.

15. THIRD PARTY BENEFICIARIES

By entering into this Agreement, the parties do not intend to create any right, title, or interest in, or for the benefit of, any person other than the Agency and Contractor. No person shall claim any right, title or interest under this Agreement or seek to enforce this Agreement as a third party beneficiary.

16. RECORDS AND AUDIT

Contractor shall maintain throughout the term of this Agreement and for a period of three years thereafter detailed records that indicate the date, time, and nature of services rendered. These records shall be subject to inspection by the Agency, the City of Santa Fe Finance Department, and the State Auditor. The Agency shall have the right to audit the billing both before and after payment. Payment under this Agreement shall not foreclose the right of the Agency to recover excessive or illegal payments.

17. APPLICABLE LAW; CHOICE OF LAW; VENUE

Contractor shall abide by all applicable federal and state laws and regulations, and all ordinances, rules and regulations of the Agency. In any action, suit, or legal dispute arising from this Agreement, Contractor agrees that the laws of the State of New Mexico shall govern. The parties agree that any action or suit arising from this Agreement shall be commenced in a federal

or state court of competent jurisdiction in New Mexico. Any action or suit commenced in the courts of the State of New Mexico shall be brought in the First Judicial District Court.

18. AMENDMENT

This Agreement shall not be altered, changed, or modified except by an amendment in writing executed by the parties.

19. SCOPE OF AGREEMENT

This Agreement expresses the entire agreement and understanding between the parties with respect to the services set forth in the Scope of Work attached hereto as Exhibit A. No prior agreement or understanding, verbal or otherwise, of the parties or their agents shall be valid or enforceable unless embodied in this Agreement.

20. NON-DISCRIMINATION

During the term of this Agreement, Contractor shall not discriminate against any employee or applicant for an employment position to be used in the performance of the services Contractor undertakes pursuant to this Agreement on the basis of ethnicity, race, age, religion, creed, color, national origin, ancestry, sex, gender, sexual orientation, physical or mental disability, medical condition, or citizenship status.

21. SEVERABILITY

If one or more of the provisions of this Agreement or any application thereof is found to be invalid, illegal, or unenforceable in any respect, the validity, legality, and enforceability of the remaining provisions of the Agreement and any other application thereof shall not in any way be affected or impaired.

22. NOTICES

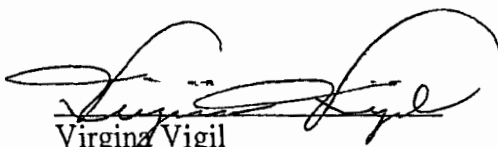
Any notices required to be given under this Agreement shall be in writing and served by personal delivery or by mail, postage prepaid, to the parties at the following addresses:

AGENCY: Mr. Randall Kippenbrock, P.E.
Executive Director
Santa Fe Solid Waste Management Agency
149 Wildlife Way
Santa Fe, NM 87506

CONTRACTOR: Mr. Donald M. Duncan
Managing Member
BlueWater Environmental Consulting, LLC
1382 Santa Rosa Drive
Santa Fe, NM 87505-3488

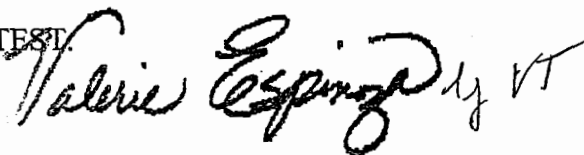
IN WITNESS WHEREOF, the parties have executed this Agreement on the date set forth below.

SANTA FE SOLID WASTE
MANAGEMENT AGENCY:


Virginia Vigil
Chairperson

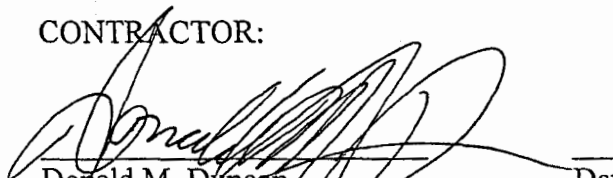
8/16/12
Date:

ATTEST:

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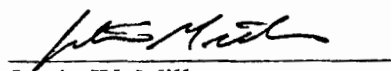
Valerie Espinoza
Santa Fe County Clerk

CONTRACTOR:


Donald M. Duncan
Managing Member
BlueWater Environmental Consulting, LLC

8/20/12
Date:

APPROVED AS TO FORM:


Justin W. Miller
Agency Attorney

8/16/12
Date:

EXHIBIT A

Scope of Work

for

BlueWater Environmental Consulting, LLC

FISCAL YEAR 2013 SCOPE OF SERVICES

Santa Fe Solid Waste Management Agency

August 2, 2012

The following provides the Scope of Services BlueWater Environmental Consulting, LLC will provide Santa Fe Solid Waste Management Agency for Fiscal Year 2013.

TASK 1 METHANE GAS MONITORING – CAJA DEL RIO LANDFILL

To complete this task BlueWater will:

- Perform quarterly methane gas monitoring at 10 bar-hole probe locations and the permanent structures.
- Prepare a quarterly report for each methane monitoring event that includes, but is not limited to: executive summary, introduction, description of field methods, results with tables and figures, discussion, and conclusions.
- Submit the quarterly reports to the Solid Waste Bureau of the New Mexico Environment Department within 45-days of the monitoring event.
- Provide one report and one electronic version of each report on a CD-ROM to the Agency. Additionally, BlueWater will submit a copy of the report transmittal letter addressed to the Solid Waste Bureau with the Bureau's date stamp.

TASK 2 DP-1115 SAMPLING & REPORTING – BURRT

To complete this task BlueWater will:

- Report the volume of wastewater discharged monthly to the septic tank. BlueWater will determine the volume of discharge by obtaining monthly water meter readings from the City of Santa Fe.
- Collect semi-annual wastewater samples from the evaporation lagoon for analysis of total Kjeldahl nitrogen (TKN), nitrate for nitrogen ($\text{NO}_3\text{-N}$), total dissolved solids (TDS), and chloride.

- Conduct semi-annual inspections of the septic tank for the accumulation of scum and solids and prepare logs of the inspections.
- Submit semi-annual reports that include the above items to the Ground Water Quality Bureau by August 1 and February 1.
- Provide a copy of each report to the Agency. Additionally, BlueWater will submit a copy of the report transmittal letter addressed to the Ground Water Quality Bureau with the Bureau's date stamp.

TASK 3 DP-1120 SEMI-ANNUAL INSPECTIONS & REPORTING – CAJA DEL RIO LANDFILL

To complete this task BlueWater will:

- Conduct semi-annual inspections of the shop wash holding tank for the accumulation of wastewater and solids and submit inspection logs to the Agency.
- Conduct semi-annual inspections of the two septic tanks for the accumulation of scum and solids and submit inspection logs to the Agency.
- Conduct semi-annual visual inspections of the ground surface above the two leach fields for proper maintenance and possible damage. BlueWater will submit inspection logs to the Agency.
- Submit semi-annual reports that include the above items to the Ground Water Quality Bureau by August 1 and February 1.
- Provide a copy of each report to the Agency. Additionally, BlueWater will submit a copy of the report transmittal letter addressed to the Ground Water Quality Bureau with the Bureau's date stamp.
- Modify the sampling and reporting as necessary to comply with changes to the final permit requirements.

TASK 4 DP-1120 SAMPLING – CAJA DEL RIO LANDFILL

To complete this task BlueWater will:

- Collect annual samples of the wastewater from each of the two septic tanks for analysis of TKN.
- Sample wastewater from the equipment wash evaporation lagoon annually. Samples shall be analyzed for TDS, chloride, VOC using EPA method 8260, semi-volatile organics using EPA method 8270C, and metals using EPA method 7000A or 6010B. Compare the analytical results to the NMAC 20.6.2.3103 ground water standards and identify any analytes on the NMAC 6.2.7.WW toxic pollutants list with results and a list of elements or compounds that exceed ground water standards and/or toxic pollutants with concentrations greater than the detection limit of the analytical method.
- Include the above information in the semi-annual report due February 1.

TASK 5 GROUND WATER MONITORING – CAJA DEL RIO LANDFILL

To complete this task, BlueWater will perform the following services:

- Perform annual ground water sampling for three ground water monitoring wells and two piezometers.
- Sample the monitoring wells in accordance with the Sampling and Analysis Plan, Revision 1. The sampling method includes using low-flow bladder pumps that are powered by compressed nitrogen. To ensure that the monitoring wells have been adequately purged, BlueWater will monitor the temperature, pH, electro-conductivity (EC), redox potential (eH), and turbidity using a flow through cell.

- In addition to the ground water samples, the Sampling and Analysis Plan, Revision 1 specifies collecting the following quality control samples during each ground water sampling event:
 - Trip blank
 - Blind standard reference material/performance evaluation (SRM/PE) sample
 - Blind field duplicate
- Submit the samples to Hall Environmental Analysis Laboratory (HEAL) for analysis at detection limits that are equal to or less than the corresponding practical quantitation limit (PQL).
- Check the off-site "Headquarters Well" for the presence of water.
- Validate laboratory data using the USEPA Contract Laboratory Program, National Functional Guidelines for Organic Data Review (EPA, 1999) and USEPA Contract Laboratory Program, National Functional Guidelines for Inorganic Data Review (EPA, 2004) as guidelines. Data validation is necessary to assess the accuracy and precision of laboratory results.
- Use a T-test, with a type I error of 0.01, to statistically compare laboratory results to baseline levels pursuant to the Ground water Monitoring Plan, Revision 1.
- Prepare a monitoring report that includes, but is not limited to, an executive summary, the methods used for ground water sampling and laboratory analysis, results with tables and figures, a narrative discussion, and a conclusion.
- Submit the ground water report to the Solid Waste Bureau of the New Mexico Environment Department within 90-days of the monitoring event, pursuant to Subsection N of 20.9.9.10 NMAC.
- Provide one copy of the report and one electronic version of each report on a CD-ROM to the Agency. Additionally, BlueWater will submit a copy of the report transmittal letter addressed to the Solid Waste Bureau with the Bureau's date stamp.

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To complete this task, BlueWater will perform the following services:

- Compile leachate pumping volumes from each cell for the prior year.
- Collect one composite leachate sample in proportion to the prior year's pumping volumes.
- Submit the sample to Hall Environmental Analysis Laboratory for analysis of 20.9.10.20 Subsections A and C.
- Prepare a monitoring report that includes, but is not limited to, an executive summary, the methods used for sampling and laboratory analysis, results with tables and figures, a narrative discussion, and a conclusion.
- Submit the report to the Solid Waste Bureau of the New Mexico Environment Department within 90-days of the monitoring event, pursuant to Subsection N of 20.9.9.10 NMAC.
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TASK 7 ANNUAL MONITORING SUMMARY – CAJA DEL RIO LANDFILL

To complete this task, BlueWater will prepare an annual report that summarizes the following information:

- Methane monitoring results, sampling dates, and report submittal dates.
- Ground water monitoring results, sampling date, and report submittal date.
- Leachate monitoring results, sampling dates, report submittal date, and leachate pumping volumes.

TASK 8 INSPECTIONS – CAJA DEL RIO LANDFILL

To complete this task, BlueWater will perform the following services:

- Inspect the maintenance shop quarterly for best management practices of used oil, used anti-freeze, and other spent fluids.
- Submit an inspection report with recommendations to the Agency within 14-days of the inspection.
- Inspect the operations of the landfill quarterly for compliance with 20.9.2 – 20.9.10 NMAC and the current operations plan.
- Submit an inspection report with recommendations to the Agency within 14-days of the inspection.
- Attend Solid Waste Bureau inspections.

TASK 9 REGULATORY CONSULTING SERVICES

Upon request by the Agency, BlueWater will provide other consulting services not previously identified.

BlueWater Environmental Consulting, LLC
SANTA FE SOLID WASTE MANAGEMENT AGENCY
FISCAL YEAR 2013 BUDGET

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4	DP-1120 Annual Sampling	Fixed fee	\$1,400.00	1	\$1,400.00
5	Annual Ground Water Detection Monitoring & Reporting	Fixed fee	\$8,750.00	1	\$8,750.00
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Subtotal					\$43,440.00
NMGRT @ 0.081875					\$3,556.65
Total					\$46,996.65

COMMENTS

Task 5

- Includes costs for checking the Headquarters Well for the presence of water, but does not include costs for sampling if water is present.

BlueWater Environmental Consulting, LLC

Fee Schedule

January 1, 2012

Professional Services by Title

Principal	\$125.00
Senior	\$100.00
Project Scientist	\$80.00
Staff Scientist	\$65.00
Technician	\$50.00
Secretary	\$40.00

Expenses

Mileage	\$1.50/mile
Field vehicle	\$50.00/day
Bladder Pump	\$125.00/day
Bladder Pump Tubing	\$2.50/foot
DTW meter	\$35.00/day
pH meter	\$15.00/day
EC meter	\$15.00/day
Turbidity meter	\$25.00/day
Methane meter	\$35.00/day
Slide hammer	\$10.00/day
Stainless steel, gas probe	\$15.00/day
Expendable supplies	cost + 10%
Rented equipment	cost + 10%
Subcontractor or vendor fees	cost + 10%