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## AGENDA

### REGULAR MEETING

SANTA FE SOLID WASTE MANAGEMENT AGENCY

SOLID WASTE ADVISORY COMMITTEE (SWAC)

MEETING # 10

FEBURARY 6, 2013

1:30 P.M.

GENOVEVA CHAVEZ COMMUNITY CENTER

CONFERENCE ROOM NO. 1

3221 RODEO ROAD

SANTA FE, NM

- I. Call to Order
- II. Roll Call
- III. Approval of Agenda
- IV. Approval of Minutes for Meeting # 9 – December 5, 2012
- V. Matters from the Public
- VI. Discussion with Possible Action on Formulating Standing and Ad-Hoc Committees
- VII. Updates
  - (A) City of Santa Fe
  - (B) Santa Fe County
  - (C) Santa Fe Solid Waste Management Agency
    - i. Solid Waste Assessment and Management Study/RFP 13/16/P
    - ii. Landfill Permit Renewal and Modification Project
- VIII. Date and Topics for SWAC Meeting # 11
- IX. Adjournment

Anyone needing further information or requiring special needs for the disabled should contact Lisa Merrill at 424-1850, ext. 420.

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OF THE  
SANTA FE SOLID WASTE MANAGEMENT AGENCY  
February 6, 2013**

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**PUBLIC MEETING AGENDA  
SOLID WASTE ADVISORY COMMITTEE MEETING #9  
OF THE  
SANTA FE SOLID WASTE MANAGEMENT AGENCY  
Room 1  
Genoveva Chavez Community Center  
February 6, 2013**

**I. CALL TO ORDER**

A meeting of the Solid Waste Advisory Committee of the Santa Fe Solid Waste Management Agency, for the Comprehensive Solid Waste Management Plan, was called to order by Chair John Lopez, on Wednesday, February 6, 2013, at approximately 1:30 p.m., in Room 1, Genoveva Chavez Community Center, 3221 Rodeo Road, Santa Fe, New Mexico.

**II. ROLL CALL**

**MEMBERS PRESENT:**

Chair John Lopez, County At-Large Resident  
Vice-Chair Tim Grey, Bureau Chief, NMED/Solid Waste Bureau, State of New Mexico  
Randall Kippenbrock, Executive Director, SFSWMA  
Olivar Barela, Solid Waste Division Manager, Santa Fe County  
English Bird, Executive Director, NM Recycling Coalition, Recycling Advocacy Organization  
Andrew Leyba, County Resident, Caja del Rio/Las Campanas Area  
Katherine Mortimer, Supervising Planner, City of Santa Fe  
Cindy Padilla, Director, Environmental Services Division, City of Santa Fe  
Louise Pape, Sustainable Santa Fe Commission  
Lisa Randall, Santa Fe Public Schools – Schools  
Frank Santiago, District Operations Manager, Waste Mgt. Of Central NM, Waste Haulers  
Karen Sweeney, County At-Large Resident

**MEMBERS EXCUSED:**

Simon Brackley, President, Santa Fe Chamber of Commerce, Business Groups  
Robert Martinez, Public Works, Santa Fe County E  
Mary Jane Park, City At-Large Resident E  
Kim Shanahan, Executive Officer, SF Area Homebuilders Ass'n, Business Groups  
Simone Ward, Restore Director, Habitat for Humanity, Reuse Organizations  
Barbara Witt, Capital Scrap Metals, Inc, Private Recyclers

**MEMBERS ABSENT:**

B.J. Davis, Executive Director, Earth Care International, Environmental Organizations  
Larry Dennis, Facilities Manager, St. Vincent Hospital, Institutions  
Neva Van Peski, City At-Large Resident

**STAFF PRESENT:**

Randall Kippenbrock, Executive Director – SWMA  
Lisa Merrill, Education and Outreach Coordinator, SWMA  
Mike Smith, BuRRT Site Manager, SWMA  
Melessia Helberg, Stenographer

**OTHERS:**

Joe Eiger, Eldorado  
Justin Stockdale, Recycled Revival

There was not a quorum of the membership in attendance when the meeting was called to order. Chair Lopez called the meeting to order for receiving of reports. With the arrival of Andrew Leyba there was a quorum of the membership for conducting official business.

**III. APPROVAL OF THE AGENDA**

**MOTION:** Tim Gray moved, seconded by Katherine Mortimer, to approve the agenda as published.

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

**IV. APPROVAL OF MINUTES FOR MEETING #9: DECEMBER 5, 2012**

**MOTION:** Olivar Barela moved, seconded by Louise Pape, to approve the minutes of the meeting of December 5, 2012, as submitted.

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

**V. MATTERS FROM THE PUBLIC**

There were no matters from the public.

**VI. DISCUSSION WITH POSSIBLE ACTION ON FORMULATING STANDING AND AD HOC COMMITTEES**

Lisa Merrill said she would like to wait to establish any more ad hoc committees until the RFP is complete, because the Waste Assessment Study might change things.

Ms. Padilla said that's fine, and Mr. Kippenbrock will talk about the study later in the meeting, and she can speak to that from the City perspective. She said they have a Recycling Subcommittee which meets every other Monday at her office on Siler Road at 2:30 p.m. She said everyone is invited,

commenting she would hate to create a new committee on recycling and diversion. She said any recommendations from the study can be considered. She said the Committee updated its strategy on recycling.

Chair Lopez asked when is the next meeting of the Committee, and Ms. Padilla said they will be meeting again this coming Monday, at 2:20 p.m., 1142 Siler Road.

Ms. Randall asked the time frame to choose the company to do the work and the expected release of the Study, and Mr. Kippenbrock said he will be talking about that later in the meeting.

Mr. Kippenbrock said he currently is in negotiation with the firm selected for negotiations. He said on the 3<sup>rd</sup> Thursday in March, they will be taking it to the SWMA Board. He said once the funding is secured from the City and County and all mechanisms are in place, they will award the contract. He said April will be the kick-off month, with 1 year to complete the study. He said there will be periodic reports to this Committee.

Ms. Merrill said in November, they formulated an ad hoc Reuse Subcommittee, and thinks that should be put on hold until they start talking with the company which will be doing the Waste Study.

## **VIII. UPDATES**

### **A) CITY OF SANTA FE**

Cindy Padilla said today is her "high-5 day." She said the Recycling Supervisor Manager position posted today, noting it took a while to get the position reclassified for a Recycling Manager. She said the Recycling Collection Residential & Commercial crews will be put under one supervisor. She said she has added, as part of their duties, to help with the recycling strategy marketing campaign and putting the program together, as well as working on the study in cooperation with the Agency, the City and the County. She asked people who are interested to apply, or to let her know of anyone who might be interested in the position. She said it is a supervisory, non-union, management position, which is part of the leadership team and will be a critical part of and leader for recycling/diversion program for the City. She said people can go to the website for job opportunities and a for job description.

Ms. Padilla said they updated the recycling strategies, noting they met two weeks ago to look at the main points to increase diversion. She said recycling bin distribution is one of those. They partnered with the Sierra Club and will be making bins more available for people outside of work hours. She said on the third Wednesday of every month, January through April 2013, the Sierra Club will be setting up a table here at the Chavez Center, 5:30 p.m. to 7:30 p.m., to make recycling bins available. This has been advertised in the New Mexico and she also has done a radio spot.

Ms. Padilla said, regarding education and outreach, the City has a City Hall Live television program that airs once a week at 11:00 a.m., on TV 28, and she is one of the co-hosts. She said they will be putting together a 50 minute program on recycling, to talk about diversion and making decisions early

on. She said part of the Subcommittee will be developing the story board and the script. She said if anyone is interested in working on that with her, please to let her know. She said it will be something that can be used for education and outreach in making presentations. She said it probably can be presented in segments.

Ms. Padilla said part of the continued strategy is on the commercial and business recycling. She said Mr. Kippenbrock continues to meet with business, and Ms. Merrill put together a rate calculator so people can compare recycling and non-recycling right away.

Ms. Padilla said the City continues to be committed to recycling and diversion, reiterating her invitation to this Committee to attend the meetings, commenting she needs input from this Committee.

Ms. Pape suggested that they could get kids from the school and have the kids do something fun with them.

Ms. Padilla said something could be added for kids. She said the process is designed to be educational, as a cradle to grave kind of thing. She said recycling is more than just putting stuff on the curb. She said they just ordered 480 yard signs, and Mr. Kippenbrock has enlisted some schools to get the kids to do a recycling message on the sign. They will be putting those out in the neighborhoods, reminding people to recycle.

Ms. Padilla said there will be a training presentation on Zero Waste on February 21-22, 2013, at the Community College. She said the classes are great, and the instructor is up to date on the latest of what people are doing and the steps to get there.

Ms. Padilla said she and Ms. Mortimer will be attending, and Ms. Merrill said she also will be attending.

Chair Lopez asked if there is a professional organization for recyclers at the State level.

Mr. Stockdale said it is the New Mexico Recycling Coalition, represented by English Bird.

Chair Lopez asked if they could circulate the announcement for the position.

Ms. Bird said she will put it at her website.

Ms. Merrill said people can email English Bird at [english@recyclenewmexico.com](mailto:english@recyclenewmexico.com), and let them know they want to be put on the list.

*Andrew Leyba arrived at the meeting*

## **B) SANTA FE COUNTY**

Olivar Barela said he doesn't have a lot which is new to report. The Solid Waste Task Force is in abeyance until the Assessment Management Study comes back and the Task Force can review that and come up with recommendations. He said Adam will be making a report to the County Commission on February 12, 2013. He said they did come up with some short term solutions, including connecting the study of a County-wide Solid Waste Management approach. He also was to include language in the Ordinance to include all recycled material. He said at the last BCC meeting the Commission adopted a "Lead by Example" Resolution which involves all the County offices to start recycling and be accountable for and a leader in that effort.

Mr. Barela said they are looking to budget a second compliance officer to assist in enforcing the Ordinance at the transfer stations, and to be more visible in rural areas where there is illegal dumping. Also, to advocate for out-of-county waste for the landfill.

Mr. Barela said they will be doing a pilot program with 285 people at Eldorado, and he will let them talk about that.

Ms. Sweeney said on Saturday they will have two volunteers at the check-in station to inquire if people need information about recycling, noting they will handouts. She said after people have seen them around on weekends, they may go up to the tipping floor and get into the garbage. The hope is to increase recycling.

Mr. Barela said this is an experiment and they are going to measure and see what kind of response they get and see if they can increase recycling. He said there will be a banner up there and they will put it up at the transfer station so people are aware of recycling. He said it is a start, and if it works in Eldorado, they may do it at other places.

Chair Lopez asked Ms. Sweeney what she means by "getting into the trash."

Ms. Sweeney said, for example, there is cardboard all over the place on the tipping floor and they would go up there and point out things that can be recycled. She said Mr. Barela thought they should be present.

Ms. Merrill asked if there has been any more talk about establishing another small reuse center at Eldorado, with more monitoring.

Mr. Eiger said, "It gets used on a very informal basis. People leave good stuff there and other people remove it. But it's not advertised and there is no supervision, it just kind of happens. The amounts that are reduced that way are pretty small."

Mr. Stockton asked if they intend to re-embrace the reuse concept, beyond the tipping floor, commenting there is a huge opportunity to start recovering those valuable goods of which people aren't aware. He said originally the building was developed as a reuse center and very much encouraged

people to deposit their usable goods. He uses that station, and the volumes have declined over the past year since the County sort of stepped back away from that. He asked if he would expect to engage the public, but not advertising, but promoting that.

Ms. Sweeney said they were there to see what would be the next logical step. She said the people who work there do pull some good stuff out of it.

Mr. Barela said the reuse area in Eldorado worked well, and at times looks like it worked too well. Nevertheless, they had the same situation in La Cienega, which wasn't a good operation. They got that remedied, but he had to get it under control before he could look at it again. He said, "I'm not opposed to it and it is kind of functioning in Eldorado informally, if you will, but we'll look at it more formally."

Mr. Stockdale said the struggle is always to manage what is going into the reuse center on a volunteer basis, noting there is demand for the material. He thinks if there is volunteer support for such a program it provides a new opportunity which is a truly managed effort.

Mr. Eiger said another idea which has become popular in Europe, particularly in the Netherlands, is called "monthly repair cafes." He said men and woman with various skills show up in a "place like that," and do on-site repairs and it is ready to use again.

Ms. Padilla suggested when they are at the Transfer Station, it would be good to have a questionnaire which would include questions which would help to get a sense of the interest in this.

Mr. Gray asked if they will have all of the PPE and training, noting volunteers are on the tipping floor and not running equipment, and everyone is going to be trained, safe and no one can get hurt.

Ms. Padilla said that is very important on the tipping floor, commenting PPE and safety are really important, especially when there are people who aren't familiar with operations.

Mr. Barela said the plan initially is for the group to be first at the scale house to introduce themselves, and then move onto the tipping floor.

Ms. Merrill said another suggestion is to establish a contact at Eldorado. She said she saw a webinar about a person who established his own recycling station, and had his cell phone number on all the bins to call if they had questions. She said that's a little over the top, but perhaps people could email you if they have questions on what is and is not recyclable.

Mr. Eiger that information is on the sheets they will hand out.

Ms. Merrill said that's great, and suggested the email address could be posted at the Transfer Station all the time.



Ms. Pape said there are about 85 people at the Commons, and if you have something you don't want to put out for whatever reason, they send out an email to the people to see if anyone wants the item(s), and it works.

Unidentified asked the email address to get on the list, and she said it is [www.freecycle.org](http://www.freecycle.org).

Mr. Eiger spoke about large item pickup days of the year, which was advertised, where he lived previously. He said anybody could come with a pickup and get whatever they wanted, noting there was a huge amount of change going on that way.

Ms. Pape talked about the end of the semester at the College of Santa Fe when people would put out a massive amount of stuff. She would like to see an organized approach at the end of the term, or other events where something ends and things are thrown away.

Ms. Mortimer said it would be good to connect that with Habitat or other efforts which needs furnishings.

Mr. Stockton said someone should lead that charge here in Santa Fe.

Ms. Pape said at Stanford there is a basement where kids can take things, and it runs continuously.

Chair Lopez said this is the 3<sup>rd</sup> or 4<sup>th</sup> meeting he's attended and there are always good ideas that come up through the discussion. He asked how we get those ideas from this Committee for implementation.

Ms. Padilla said she taken some of the ideas and made those part of the recycling strategies, noting it may not be implemented overnight.

Ms. Mortimer said it would be good to show the minutes to the company which will be doing the study to pull ideas from the minutes to include in the plan.

Chair Lopez said in Colorado where his son lives, you can take couches, mattresses and such to the curb, and during a two-week period in the Spring, the City picks them up for free, which is an outstanding service. He said there are some restrictions.

Mr. Stockdale said there could be standing committees to move forward ideas from this Committee. He suggested the subcommittees could be asked to tackle very specific projects.

Mr. Gray said he struggled with Habitat and Good Will trying to get rid of State surplus – chairs, tables, and such, but they don't want anything to do with it, and he doesn't know the reason, but they haven't been responsive in Santa Fe.

Ms. Sweeney said she believes Simone Ward has been trying to get things, and suggested he speak with her at the next meeting.

Ms. Padilla said it's pretty labor-intensive for them, and we need to think about that when we look at reuse.

Ms. Bird said "pay as you throw" needs to stay on the radar. She said one piece such as this can lead to a lot of things getting accomplished.

Ms. Randall said the School does "pay as you throw," which means they have to lock up the premises. She said they don't like to do this, but they have to do so when the school is closed to control illegal dumping of trash.

Andrew Leyba asked the penalty for illegal dumping.

Ms. Padilla said the City can issue citations and take the person to Municipal Court. She said Brenda Marco is the lead compliance officer, and they have people in the division who are commissioned so they can enforce the ordinance for illegal dumping. Video surveillance.

Ms. Sweeney asked if this extends to citations for dumping on private land.

Ms. Padilla said, "Absolutely." She said not a lot of cases are brought forth, but the mechanism is there for enforcement.

Mr. Gray said the County is going aggressively after illegal dumpings, and they publicize it every time someone is caught and taken to Court, and they have seen a huge drop in cases because of the publicity.

## **C) SANTA FE SOLID WASTE MANAGEMENT AGENCY**

### **i) SOLID WASTE ASSESSMENT AND MANAGEMENT STUDY/RFP 13/16/P.**

Mr. Kippenbrock said the study is being done jointly by the City, the County and the Agency to address issues we have been hearing. He said they will be looking at education, diversion, recycling and improving those areas.

Mr. Kippenbrock said he currently is in negotiation with the firm selected for negotiations. He said on the 3<sup>rd</sup> Thursday in March, they will be taking it to the SWMA Board. He said once the funding is secured from the City and County and all mechanisms in place, they will award the contract. He said April will be the kick-off month, with 1 year to complete the study. He said there will be periodic reports to this Committee.

Mr. Kippenbrock reviewed the scope of services for the Study for the Agency, the City and the County. He said there will be many meetings related to this effort, which includes the kick-off meeting, update meetings, and finally presentations to the City and the County as well as to the Joint Power Board, and he anticipates at least one meeting with SWAC presented by the consultant. The proposed budget is approximately \$400,000, with costs shared by the City, the County and the Agency based on the tasks we ask them to perform.

Ms. Pape said the City is working to reduce greenhouse gas emissions, and asked if there is some way to tie the 5 goals. She has been reading about how we really can't allow food waste to go into dumps, because it creates methane gas. She would like to start connecting waste to climate change goals.

Ms. Padilla said by the end of February, there will be 5 CNG collection units in the Solid Waste fleet. She said CNG definitely will be a factor in the contractor looking at their assessments, and the greenhouse gas emissions. She said life cycle issues, in terms of environmental protection, will be considered, but is not the primary focus. She said food waste is part of the scope of services.

Mr. Leyba asked if it would be possible to get legal services for landfills put under the control of the City and County Attorneys and not private firms. He said that would cut \$25,000 from the budget.

Mr. Kippenbrock said he will look at that.

Mr. Leyba asked of the \$1.4 million expense, how much is depreciation.

Mr. Kippenbrock said he can't answer that right now, and he will have to get those numbers for him.

Ms. Padilla pointed out that figure was just for the BuRRT.

Mr. Kippenbrock said yes, it is just the operating expense for the MURF itself.

Mr. Leyba asked if it would be possible to look at the financials, and Mr. Kippenbrock said yes.

Ms. Sweeney asked if there is any reference to food waste in the planned study.

Ms. Padilla said yes, and the City is looking at it as well, but the County's involvement is a little different because it is in a different place, but it is all part of the diversion.

Ms. Padilla said the contract is with the Agency, but the City and the County will doing MOUs. She said they are beginning the process with the MOU which goes to the Public Utilities Committee tonight. She said the concept was approved in May 2012, and we estimated the City's portion to be about \$200,000. She said now we are working to put the money place to pay for the study.

Ms. Randall asked if the cost of the study would show up as an increase in fees in a year or so.

Ms. Padilla said, "Not necessarily in a year, but it is calculated as a cost of service. And when we look at our cost of service, and I won't get too far in, and we can have a conversation in terms of looking at rates. We have a firm in Denver that does a 5-year forecast for us for our operational expenses, and any contracts or professional services or agreements are all part of our cost of service that is analyzed when doing a rate analysis. And when they do the rate analysis they factor in all of those elements and components of all of our cost of services, everything that we do, it's all calculated. It's a part of the operational expenses. So will it show up as a direct cost for this. No. But it will be factored in as part of our cost of service."

## **ii. LANDFILL PERMIT REVIEW AND MODIFICATION PROJECT**

Mr. Kippenbrock said the last SWAC meeting was on December 5, 2012. On December 13, 2012, there was a special meeting of the SWMA Joint Powers Board strictly to discuss the options on the vertical and lateral expansion of the landfill permitting process. And what we have done, the Board selected an option and went with a certain height as well as the lateral expansion. In January, a community meeting was held, and all of the posters you see here in this room were presented. He said there were 3 citizens in attendance and the attendance was mostly composed of City, County and Agency staff, with 2 representatives from NMED.

Mr. Kippenbrock reviewed the posters which were presented at the public meeting. He said they were able to demonstrate that we have protected groundwater and surface as well through leachate collection, groundwater monitoring systems as well as the methane/ landfill gas collection system. He said he talked about what it will look like during the operation and what the landfill will look like when it is closed, what it will look like from various points in the area.

Mr. Kippenbrock reviewed the posters of what the landfill will look like in 70 to 90 years, which is the existing landfill as well as the BLM portion. He said he picked these points because these are the locations from which the landfill is most obvious, because when you drive along Caja del Rio Road you don't see it, but it pops up every now and then.

Ms. Merrill said it is important to bear in mind is that even with the closed-off landfill right next to the cell that we're burying right now, it has native plants all over it. She said it is angular, just like the closed off landfill when you're driving into BuRRT, but it won't be a bright brown patch like that and will be a little bit more disguised.

A member asked about the smell from the landfill.

Ms. Merrill said there is no smell.

Mr. Leyba said he has been there when it does, and asked if there is any smell now.

Ms. Merrill said if a “raunchy” truck comes in you’ll get a smell, but they bury it immediately.

Mr. Kippenbrock said if you have a closed landfill that is not operated properly – the methane gas system isn’t in place, the waste isn’t covered daily, there is no groundwater monitoring – you can have some foul odors.

Unidentified said you will have more odor from the wastewater treatment plant than you will from the landfill.

Mr. Kippenbrock said the existing landfill is permitted to go 40 feet vertically, with an additional 40 feet over the same area. He said there is still one more blasting to do in Cell 5B/6B, 10-13 acres. He said there is less than 300,000 cubic yards that has to come out, noting our goal is that it will be the last blast for the next 70-90 years. He said the black box will come along in 20-30 years which will magically reduce waste by extracting gas and other components, with less than 10% ash left over which can be used for base material. This is what they see in 20-30 years.

Mr. Kippenbrock said the Committee needs to bear in mind that permitting has to be done every 20 years according to NMED regulations which allows us to stay in one area for the next 70-90 years. The current operation will be 10 years below grade until we reach the 40 foot height, then over the next 10-20 years, we will still be looking at this scenario to get it built out. Once that is completed, we want to close that off and begin the process of post-closure, noting it takes 15 years to close off a methane gas system and eventually a total of 30 years. They want to move to the BLM and take advantage of approximately 50 years in that area – 40-50 years. He said it will take a long time to come up from the surface and eventually reach the top that “I just showed you in those photos.”

Mr. Kippenbrock said we got approval from the SWMA Board to move forward with the permit application, and our consultant, CDM Smith out of Albuquerque, is working diligently on that, and we’re looking at their comments and giving feedback to them. He said, hopefully, the application will be submitted by July 2013. He said then NMED has approximately 12 months to review it, back and forth with comments, noting that process can take up to a total of 18 months. He said they should be going out for public comment in January 2014, to get feedback on a completed document, and then move forward, depending on how everything shakes out.

Mr. Kippenbrock noted Ms. Padilla, formerly was with NMED.

Ms. Padilla said it definitely takes a while, and there is a full review of everything, all aspects, done by NMED – it has to meet the letter of the regulations and the law, in full compliance.

Mr. Leyba said the City has a bunch of wells right there.

Mr. Kippenbrock said, “The wells are up here to my knowledge. This was produced by the consultant CDM Smith. And they also gave it to NMED. They want the same board as well.”

Mr. Leyba asked if there is any danger of water contamination.

Mr. Kippenbrock said, "No. I'll explain it in layman's terms. I'm not a hydrogeologist, I'm an engineer. But, in general, we do groundwater monitoring as required by NMED. We had no contamination. Our wells are set approximately 220 feet below the trash, the core about 325 feet, more or less. There is naturally occurring high arsenic, which is common in this area, unfortunately. To answer your question, groundwater flows to the northwest. This is the landfill right here, and some of the nearest residents are right here, including where you live. You're basically east of us, but the groundwater flow, based on this map is going this direction right here, so it is going away from the residents. And one of the things that CDM Smith brought up. In this area, you'll notice there is almost no line in here. It's very flat. But overall, groundwater moves at 1 inch per year. And the closest water source that they pointed out, 3.75 miles as far as the direction to go to that water source. And their calculation is that it would take 100,000 years to move that much. He said the folks that live on this side, or up-gradient, including the golf course, are not impacted by the landfill."

Mr. Kippenbrock said, "But to answer your question, that was one of the comments that was brought up. Technically, groundwater moves north/northwest away from the neighbors and it travels very slow, and we don't have any contamination. Keep in mind, Mr. Leyba, since 1994, EPA requires a liner system that consists of high density, polyethylene lining, 60 mils. You have to lay down your clay liner, then your HEPE, and then gravel protection on top of that. So technically, you can have up to 4 feet of materials that need to be in, on the floor in side slope to protect groundwater."

Ms. Padilla said, "And in the modeling that they do, the contractors have to model that in terms of permeability of that particular liner. So they have to do modeling and it has to be greater than [inaudible] something 6. So they do the modeling and that's what takes a lot of time." She said they are looking at a lot of things.

Mr. Santiago said New Mexico is one of the most restrictive in terms of how close you can get to the groundwater, versus other states around us. We're already doing far and above the others."

Mr. Kippenbrock said, "The other thing is, I always look at the liner system like a bathtub or when you're washing your face and hold your hand on your face, that's how the water flows on the floor of the liner area. It has 2% slope in all directions. And in the lowest point where we pump out the leachate, basically percolated liquid going through the trash, we have to pump that out on a monthly basis, so you can't have more than 1 foot over the liner area. You can also let it evaporate in our evaporation pond as well, but we prefer it to be circulated."

A member asked if they have a lot of leachate.

Mr. Kippenbrock said, "The most we had several years ago. Normally you get the most leachate in your newly constructed cell. It is below grade, you get your monsoon in there, you have to pump that all out and recirculate it. That was about 400,000 gallons. I think annually, it's more like \$200,000. And I'm just saying those numbers out loud. We have 6 leachate lines. We go monthly on each one, pump one of those out. We have leachate monitoring, we have groundwater monitoring and we have methane gas monitoring, air monitoring as well. We have the air permit, and so on."

Mr. Gray said it says, "To date no methane has been detected at the sampling locations."

Mr. Kippenbrock said this is correct.

Mr. Gray said, "Just going back to a comment that was made earlier about tying in food waste, composting to greenhouse gas emissions. If you don't have methane at your landfill, it's going to give you a negative. It's going to be a bad thing for the City and County's greenhouse emissions to show composting. So I'm in strong support of that, but it's going to give you a wrong impression on your greenhouse gas emissions. It's going to show you having more emissions than what you actually have, especially since you don't have any methane at the landfill."

Mr. Kippenbrock said the methane monitoring is subsurface and building monitoring. We don't have any methane gas migration. Now, for landfill gas collections we have a system in place, but we only turn on the system 3 times a week, 4 hours each time. That's how low the generation of landfill gas that we have. In just laymen's terms, landfill gas is about 40-45% methane, and the bulk of it is carbon dioxide and very small percentages of non-methane, organic compound, NMOC. The part they're really going after, that NMOC, is why we had to put in that system, because we went over the threshold on an annual basis and they forced us to put in a system, but there's not enough methane to do it. People have asked about converting to an energy source. We're not there yet. I don't know if we'll ever get there. There may be some micro turbine or other development years down the road, where they can take small quantities like ours. We currently do maybe 100 to 175 cu. ft. per minute, that's our flow rate, but only 4 hours each time. That may not be viable for a possible \$1-\$2 million plant to convert it into GNG, or whatever you want to call it. So, that's where we're at."

#### **VIII. DATE AND TOPIC FOR SWAC MEETING #11**

The Board discussed the frequency of meetings.

Ms. Mortimer said once the Solid Waste Management Plan is underway, it might make sense to meet more frequently and then readjust or rethink it.

Ms. Padilla said 3 months from now will be May and they will be starting the contract the first part of April, and hopefully things will move relatively quickly.

Mr. Gray suggested we might want defer to the company as to when they want to meet with us, and Ms. Mortimer agreed, saying we should be flexible over the next year.

Ms. Padilla said it would be helpful to know what parts of the study you are most interested in, which probably would be diversion and recycling, commenting that a lot of what they're doing won't be of any interest to the group, and she wants to make good use of your time.

Mr. Leyba suggested meeting every 3 months and then go to a schedule suggested by the consultant, and Chair Lopez said he agrees.

After discussion, it was the consensus among the Board to hold the next meeting in May 2013, and Ms. Merrill will send out an email after they talk with the consultant.

Ms. Merrill reminded everyone of the recycling meeting at Ms. Padilla's office on Monday at 2:30 p.m. at her office on Siler Road.

Ms. Padilla said the location might change if we get more people, which is great. She said the agendas will follow the strategy and updates will be done according to what they're working on.

Ms. Sweeney suggested we look back in the minutes and scour for some of the ideas which are useful. She said she would volunteer to do that.

Chair Lopez thanked her, and said just a list of ideas would be very helpful.

Ms. Merrill volunteered to contact St. John's College to develop some sort of community garage sale day when all the students get out.

Olivar Barela said the County Task Force will be meeting on February 12<sup>th</sup> at 2:00 p.m., in the Commission Chambers downtown.

Ms. Randall thanked staff for their time and effort in putting together reports, and all of the work that goes on behind the scenes to keep us informed.

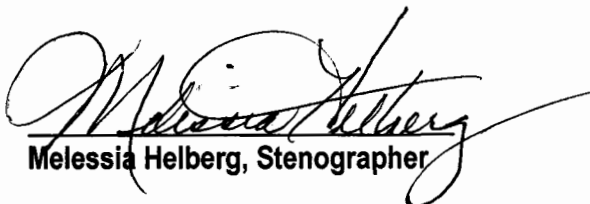
## **IX. ADJOURNMENT**

**MOTION:** There was no further business to come before the Committee, and Andrew Leyba moved, seconded by Karen Sweeney, to adjourn the meeting.

**VOTE:** The motion was approved unanimously on a voice vote, and the meeting was adjourned at approximately 3:30 p.m.

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**John Lopez, Chair**



**Melessia Helberg, Stenographer**