

**Lee County Board Of County Commissioners  
Agenda Item Summary**

Blue Sheet No. 2006 1558

**1. ACTION REQUESTED/PURPOSE:**

(1) Approve an addition of \$5,718.00 to Purchase Order No. 77421 to Delta Ducan Conveying Technology, for the purpose of adding speed sensor switches, inspection ports and changing paint and material specifications for the ash conditioning equipment (WTE expansion project), as specified by the County's Construction Manager. (2) Authorize the Division Director to approve additional changes/additions, if necessary, for minor changes up to \$20,000.00, total. Total price will now amount to \$485,933.00, with allowable to \$505,933.00.

**2. WHAT ACTION ACCOMPLISHES:** Provides change to PO 77421 reflecting the purchase of additional lime handling and control equipment.

**3. MANAGEMENT RECOMMENDATION:** Staff Recommends the action requested.

**4. Departmental Category:** 8

**C8B**

**5. Meeting Date:** DEC 05 2006

**6. Agenda:**  
 Consent  
 Administrative  
 Appeals  
 Public  
 Walk-On

**7. Requirement/Purpose: (specify)**  
 Statute  
 Ordinance  
 Admin. Code AC 4-1  
 Other

**8. Request Initiated:**  
**Commissioner**  
**Department** Public Works  
**Division** Solid Waste  
**By:** Lindsey Sampson

*Lindsey Sampson*

**9. Background:**

On June 27, 2006, the BOCC approved issuance of a purchase order to Delta Ducan, the low priced proposer, for a dolomitic lime storage silo. Action at that time was necessary in order to assure that delivery of the silo met the expansion project's construction schedule. The design of the lime conveying and control equipment was still being developed and finalized.

On August 15, 2006, the BOCC approved a change to the original PO adding the equipment to meet the requirements for conveying the lime to the three individual combustion trains along with control of such delivery.

This agenda item provides for minor changes and additions to the specified equipment deemed necessary following review of detailed engineering shop drawings and specifications.

Funds are available in account string: 200923 40131.506540 with the approval of carryover funds.

Attachments: Copy of Original Delta Ducan Blue Sheet No. 20060782  
 Copy of CO No. 1 Delta Ducan Blue Sheet No. 20061021  
 Covanta Recommendation dated 11/13/06, w/ attachments

**10. Review for Scheduling:**

Department Director	Purchasing or Contracts	Human Resources	Other	County Attorney	Budget Services				County Manager/P.W. Director
					Analyst	Risk	Grants	Mer.	
<i>J. J. Jaramba</i> 11-20-06	N.A. per J.S. <i>J.S.</i>	N.A.		<i>S. P. P.</i> 11/20/06	<i>RK</i> 11/20/06	<i>11/21/06</i>	<i>11/16/06</i>	<i>11/21/06</i>	<i>J. J. Jaramba</i> 11-20-06

**11. Commission Action:**

- Approved
- Deferred
- Denied
- Other

COUNTY ADMIN:  
 11-20-06 11:00  
 11:30 RK  
 COUNTY ADMIN  
 FORWARDED TO:  
 11-21-06 12:40  
 to PR

Rec. by CoAtty  
 Date: 11/20/06  
 Time: 10:26am  
 Forwarded To:  
 11/20/06  
 11:00am

**Sampson, Lindsey J.**

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**From:** Young, Peter [pyoung@CovantaEnergy.com]  
**Sent:** Monday, November 13, 2006 6:37 PM  
**To:** Sampson, Lindsey J.  
**Cc:** Murphy, Mike; gfontana@roe.com; Gounaris, Demetrios; dcastro@hdrinc.com  
**Subject:** FW: Speed Switches for Short Limestone Screw Conveyors  
**Attachments:** SpeedSwitch\_Applications.pdf; 2100-4100-8100 Series.pdf

Lindsey,

The attached PDF files identify the Delta Ducon STD zero speed switch. This alternate switch for the Dolomitic lime screws is acceptable to Covanta. This would replace the more expensive Milltronics hi temp switch originally proposed by Delta Ducon (\$2,376 vs \$4,905). This results in a net change order amount of \$5,718.

If you concur with all, please expedite your approval for BREI to release Delta Ducon accordingly.

Thanks,  
Peter

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**From:** Dave Lizzi [mailto:dlizzi@deltaducon.com]  
**Sent:** Monday, November 13, 2006 2:35 PM  
**To:** Gounaris, Demetrios  
**Subject:** Speed Switches for Short Limestone Screw Conveyors

Demetri,  
Attached for your review is the information on the speed switch we could use on the Dolomitic Lime Screw Conveyors. These switches are made for Delta/Ducon Rotary Feeders but can easily be adapted to the screw conveyors. I checked with Purchasing and we can offer this switch in lieu of those listed in the Change Order No. 1 letter for \$792.00 each. This price includes all engineering both D/D and Vendor and mounting brackets. Please advise me of your thoughts on this matter.  
Best Regards,  
Dave

11/20/2006



40 LLOYD AVE. • MALVERN, PA • 19355  
Phone: 610-695-9700 • Fax: 610-695-9724

October 04, 2006  
Mr. Steve Stuhrke  
Burns & Roe  
800 Kinderkamack Road  
Oradell, NJ 07649

Project: Dolomitic Lime System  
Delta/Ducon Project: 1367

Dear Steve,

In response to your recent e-mail dated 9/28/06 from Peter Isolde on the Screw conveyor requirements Delta/Ducon offers the following Change Order No 1:

**Item No. 1 – Fabricated Flights.**

Replace the Screw Conveyor flight material from A36 to AR360 Steel.

**Item No. 2 – Add Observation Port.**

Provide an Observation port which will be 7 inches Square with hinged cover and toggle clamps.

**Item No. 3 – Add Conveyor Speed Switch.**

Provide the Screw Conveyor with a (Milltronics MFA4) with (MSP3 high temperature probe and all mounting hardware.

*CHANGE to  
DD. STD Speed Sw.      delete*

**Item No. 4 – Add (Optional) Speed Switch.**

Provide the Screw Conveyor with an Electro Sensor M-100 with Target disk & mounting bracket and guard.

**Item No. 5 – Provide Painting per Spec.**

Replace the Manufactures Standard Paint system with Spec required painting system.

The following items to remain the same per Delta/Ducon's Vendor drawing.

1. Flights continuously welded on 2 inch Schedule 40 pipe.
2. Conveyor designed for 65% trough loading at 22 rpm at 50 ppcf.



Change Order No. 1

TOTAL

<u>Item No. 1</u> .....	+ \$1,071.00
Replace A36 with AR360 Steel @ 357.00 each	
<u>Item No. 2</u> .. (3 EA) .....	+ \$1,101.00
Provide Observation Port @ \$367.00 each	
<u>Item No. 3</u> .. 3 EA. D.D. STANDARD .....	+ <del>\$4,905.00</del> 2,376.00
Add Speed Switch (Milltronics) @ \$1,635.00 each	
<u>Item No. 4</u> .. Delete .....	+ <del>\$2,640.00</del> \$792.00
Add Speed Switch (Electro Sensor) @ +880.00 each	
<u>Item No. 5</u> .....	+ \$1,170.00
Revise Painting requirement @ +\$390.00 each	

TOTAL \$ 5,718

Please advise Delta/Ducon as soon as possible which items are to be incorporated into the Screw Conveyor requirements. Please also note that Delta/Ducon **has not** added any Profit or Overhead charges to the above adders, but has passed on the cost requirements of our conveyor vendor directly to you. Delta/Ducon apologizes for this unfortunate situation but assures you that all efforts are being made to deliver to you a reliable Dolomitic Lime Feed System. If possible could we have your response ASAP but no later than **October 11, 2006** to keep the current delivery schedule?

Sincerely,

David Lizzi Sr.  
Delta/Ducon Engineering

cc: Burns & Roe - Team  
Covanta - Team  
Jim Dixon  
Ron Tempesta  
Ron Grabowski  
J.R. Fisher  
Cathy Heisner  
File 1367

## **Sampson, Lindsey J.**

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**From:** Young, Peter [pyoung@CovantaEnergy.com]  
**Sent:** Monday, November 13, 2006 5:05 PM  
**To:** Sampson, Lindsey J.  
**Cc:** Gounaris, Demetrios; Anacker, Dennis; Murphy, Mike; gfontana@roe.com; Gorsky, Nick; dcastro@hdrinc.com  
**Subject:** RE: FW: Screw Conveyors for the Dolomitic Lime Storage&Discharge System - D/D 1367

Lindsey,

In follow up to our discussions earlier today regarding Delta Ducon's requested changes for the screw conveyor, please note the following:

1. Nick check the type screw material used at our Montgomery Facility for their dolomitic system and found it to be AR400. The AR360 in the Lee spec is not as good but sufficient.
2. During Demetri's discussions with Delta Ducon this afternoon regarding their offered speed switch and temperature probe, it was concluded that the temperature probe is not required and not intended to be supplied. Delta Ducon also indicated that they have their own standard speed switch that appears will do the job at a lower cost. Delta Ducon was requested to propose a price for this alternative switch. As soon as we get this proposal, we'll review and modify our total change order recommendation accordingly.

If you have any other questions on this change order request, let us know.

Peter

-----Original Message-----

**From:** Young, Peter  
**Sent:** Sunday, November 12, 2006 7:02 PM  
**To:** 'Sampson, Lindsey J.'  
**Cc:** dcastro@hdrinc.com; Stuhrke, Steve; Anacker, Dennis; Murphy, Mike; 'gfontana@roe.com'  
**Subject:** FW: FW: Screw Conveyors for the Dolomitic Lime Storage&Discharge System - D/D 1367  
**Importance:** High

Lindsey,

I had sent a 10/4/06 email recommending a change order be issued to Delta Ducon regarding the screw conveyors. BREI is advising that the changes have not yet been authorized by the County.

Repeating my 10/4/06 email here for your convenience, all of the items listed in Delta Ducon's attached letter to meet the Screw conveyor specification are in fact applicable requirements and are recommended for a total change order cost of \$8,247 plus the cost for reversing starters (in Square D's change order scope). Delta Ducon's contribution of not adding any mark-up or engineering costs to help resolve the oversight on scope is recognized.

As a reminder on the background resulting in these changes, you will recall that the original Dolomitic system contemplated was based on using screw conveyors. However, due to the final location of the silo, the concept changed from all screws to all pneumatic piping. The screw conveyor specification was no longer thought to be applicable for the bid specifications. Later on, when BREI determined that screws had to be combined with the pneumatic piping, the standard screw conveyor specification was not highlighted to Delta Ducon, and Delta Ducon included non-compliant screws in their final scope.

This scope should be promptly released to Delta Ducon to avoid further delivery delays.

Peter

-----Original Message-----

**From:** Stephen Stuhrke [mailto:ssstuhrke@roe.com]

Sent: Monday, October 30, 2006 9:39 AM  
To: Young, Peter  
Cc: Anacker, Dennis; D'Amico, Don; Glenn Fontana; Peter Isolde  
Subject: Fwd: FW: Screw Conveyors for the Dolomitic Lime Storage&Discharge System - D/D 1367

Peter,  
Delta Ducon wants resolution on this change order before they will revise the screw conveyor lengths. They would like to go back to their screw conveyor supplier once for all the changes. Note the screw conveyors changed in length due to the final arrangement and the unusually tall stackouts (bins). The length increased to about 9'-9" (see attached sketch that was sent to Delta Ducon).

What is the status of the change order as submitted to the County?  
Please advise. Thanks.

Steve Stuhrke  
(201) 986-4096  
sstuhrke@roe.com

>>> "Young, Peter" <pyoung@CovantaEnergy.com> 10/04/06 4:40 PM >>>  
Steve and Lindsey,

The Dolomitic lime screw conveyors should meet the standard screw conveyor specifications except Schedule 40 pipe is an acceptable deviation. Covanta agrees with all of BREI's recommendations except we also need the reversing feature as well. We added our comments/position on each specific item below between the \*\*\*\*\*'s.

All of the items listed in Delta Ducon's attached letter to meet the Screw conveyor specification are in fact applicable requirements and are recommended for a total change order cost of \$8,247 plus the cost for reversing starters (in Square D's change order scope). Delta Ducon's contribution of not adding any mark-up or engineering costs to help resolve the oversight on scope is recognized.

This scope should be promptly released to Delta Ducon to avoid delivery delays.

Peter

-----Original Message-----

From: Stephen Stuhrke [mailto:ssstuhrke@roe.com]  
Sent: Wednesday, October 04, 2006 9:28 AM  
To: Young, Peter  
Cc: Anacker, Dennis; Glenn Fontana; Rubin, Ira; Cole, Kevin; Peter Isolde  
Subject: Fwd: Screw Conveyors for the Dolomitic Lime Storage & Discharge System - D/D 1367

Pete,  
As you can see, Delta Ducon apparently missed the requirements in the specifications for the small screw conveyers. They are now asking for a change order in the amount of \$10,887 (if all items are required). As you may recall, when this was first identified by Delta Ducon via their "e-mail" to me dated 9/26/06 2:48 PM, we provided a response back to Delta Ducon. This was via my "e-mail" to David Lizzi dated 9/28/06 10:23 AM and was prepared by our Mr. Pete Isolde.

Our responses below addresses each of the issues. In summary, because of the need for a response back to Delta Ducon by 10/11 to maintain delivery schedules, please see the following:

Item 1: Fabricated Flight and AR360 Steel Recommended (using schedule 40 pipe per their standard as opposed to schedule 80 pipe).

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Covanta Response: Covanta concurs with BREI's recommendation - Schedule 40 is acceptable  
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\*\*\*\*

Item 2: Observation Port

Although required with quick opening cover, it should not be necessary due to the short length of cover (<5 feet). Apparently to add the port, the cover will be three (3) pieces as opposed to a single unit. Not recommended.

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Covanta Response: A quick opening port is required. Operations needs to verify flow on a daily basis. If another practical method of visually verifying flow is available, please advise.

\*\*\*\*\*  
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Item 3: Conveyer Speed Switch

Recommended, required for design. (Note jog switch and local controls are being provided.)

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Covanta Response:Covanta concurs with BREI's recommendation

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\*\*\*\*

Item 4: Optional Speed Switch

Cheaper alternate to item 3 above.

\*\*\*\*\*

Not Applicable

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Item 5: Painting per Specification

Recommended.

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Covanta Response:Covanta concurs with BREI's recommendation - Standard manufacturer's paint is not appropriate or acceptable.

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Item 6: Reversing Requirement for Conveyor This pricing has not been received as there may be a problem with the conveyor due to its short length.

Delta Ducon still investigating. However, this feature is not really necessary with the material, loading and capacity. Not recommended by B&R unless cost is minimal and there is no impact on delivery. Note also that there will be a significant impact to electrical (MCC change) if this feature is added.

\*\*\*\*\*  
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Covanta's Response: These screw conveyors will get plugged. The method to unplug is to jog in reverse. The reversing feature (and associated MCC) is required.

\*\*\*\*\*  
\*

Therefore, items 1, 3, and 5 add up to \$7,146 and this is the recommended add.  
Any questions, please call.

Steve Stuhrke  
(201) 986-4096  
sstuhrke@roe.com

>>> "Dave Lizzi" <dlizzi@deltaducon.com> 10/04/06 8:19 AM >>>

Steve,

I have attached Change Order No.1 which outlines the changes requested to the three (3) added short conveyors to convey material from the discharge of our rotary feeder to the Fly Ash Conveyors. As mentioned in my e-mail of 9/26/06 the Small Screw Conveyors that were added, were not bid to the original specifications as that section was removed. Please refer to the Specification SM-162 dated 5/23/06 Attachment 1 Pages 1A-5 & 1A-10 used for bidding. Delta/Ducon apologizes for this unfortunate situation but would like to

resolve all of these conveyor issues and proceed to furnishing you a reliable Dolomitic Lime Feed System. If Possible please respond by October 11, 2006.

Best Regards,  
David Lizzi Sr.  
Delta/Ducon Engineering  
Ph. 610-695-9704  
Fax 610-695-9724  
dlizzi@deltaducon.com



**Lee County Board Of County Commissioners  
Agenda Item Summary**

**Blue Sheet No. 20061021**

**1. ACTION REQUESTED/PURPOSE:**

Approve an addition of \$279,340.00 to Purchase Order No. 77421 to Delta Ducan Conveying Technology, for the purpose of adding a complete pneumatic conveying system including day tanks and controls for the ash conditioning equipment (WTE expansion project), as specified by the County's design engineer. Total price will now amount to \$480,215.00.

**2. WHAT ACTION ACCOMPLISHES:** Provides change to PO 77421 reflecting the purchase of additional lime handling and control equipment.

**3. MANAGEMENT RECOMMENDATION:** Staff Recommends the action requested.

*COPY*

**4. Departmental Category:** 8

**5. Meeting Date:** August 15, 2006

**6. Agenda:**

- Consent
- Administrative
- Appeals
- Public
- Walk-On

**7. Requirement/Purpose: (specify)**

- Statute
- Ordinance
- Admin. Code AC 4-1
- Other

**8. Request Initiated:**

Commissioner \_\_\_\_\_  
 Department Public Works  
 Division Solid Waste  
 By: Lindsey Sampson

**9. Background:**

On June 27, 2006, the BOCC approved issuance of a purchase order to Delta Ducan, the low priced proposer, for a dolomitic lime storage silo. Action at that time was necessary in order to assure that delivery of the silo met the expansion project's construction schedule. The design of the lime conveying and control equipment was still being developed and finalized.

Now that this design is complete, the lime silo vendor has provided pricing information for the equipment that will meet the requirements for conveying the lime to the three individual combustion trains along with control of such delivery.

Funds are available in account string: 200923 40131.506540

Attachments: Copy of Original Delta Ducan Blue Sheet No. 20060782  
 Burns & Roe Technical Bid Evaluation w/ Pricing Summary dated 7/21/06  
 Covanta Recommendation dated 7/26/06

**10. Review for Scheduling:**

Department Director	Purchasing or Contracts	Human Resources	Other	County Attorney	Budget Services				County Manager/P.W. Director
					Analyst	Risk	Grants	Mgr.	
	N.A. per J.S.	N.A.							

**11. Commission Action:**

- Approved
- Deferred
- Denied
- Other

Agenda Item Summary

1. **ACTION REQUESTED/PURPOSE:** Approve award of formal quotation (RFP B&R 2661-SM162) and issuance of a purchase order to Delta Ducan, Inc., the low price proposer, meeting all specification requirements for dolomitic lime storage equipment in an amount of \$191,775.00, including \$9,100.00 for optional lighting and electrical outlets to be exercised if necessary.

*COPY*

2. **WHAT ACTION ACCOMPLISHES:** Provides the necessary dolomitic lime storage equipment for the Waste To Energy Expansion Project.

3. **MANAGEMENT RECOMMENDATION:** Staff recommends approval of the requested motion.

4. **Departmental Category:** 8

5. **Meeting Date:** June 27, 2005

6. **Agenda:**  
 Consent  
 Administrative  
 Appeals  
 Public  
 Walk-On

7. **Requirement/Purpose: (specify)**  
 Statute \_\_\_\_\_  
 Ordinance \_\_\_\_\_  
 Admin. Code AC 4-1  
 Other \_\_\_\_\_

8. **Request Initiated:**  
 Commissioner \_\_\_\_\_  
 Department Public Works  
 Division Solid Waste  
 By: Lindsey J. Sampson

9. **Background:**

Please note that additional lime handling and delivery equipment will likely be purchased from this company in the near future.

Sealed quotes were received by the County's design engineer, Burns & Roe, on behalf of the Solid Waste Division on July 28, 5005. On that date three responses were received. After review, recommendation was made to award to the low-priced proposer meeting all specification requirements.

Funds are available in account string: 200923 40102.506540

Attachments: Burns & Roe revised bid evaluation dated 6/5/06  
 Bid Abstract and Pricing summary Sheets  
 Covanta recommendation letter dated 6/5/06.

10. **Review for Scheduling:**

Department Director	Purchasing or Contracts	Human Resources	Other	County Attorney	Budget Services				County Manager/P. W. Director
					Analyst	Risk	Grants	Mgr.	
	NA per JS.	NA							

11. **Commission Action:**

- Approved
- Deferred
- Denied
- Other