



June 7, 2007

Ms. Sally L. Conklin
Planning Coordinator
Armstrong County
Department of Planning and Development
402 Market Street
Kittanning, PA 16201

**Subject: SWANA Technical Assistance Project
Armstrong Recycling Center Expansion Plan**

Dear Sally:

This letter report summarizes R. W. Beck's project that was undertaken to assist Armstrong County (the "County") to plan in expanding their Recycling Center (the "Center"). The objective of the project was to develop a conceptual plan to expand the Center. The report presents the results of the background data collection, a description of the existing and proposed recyclables collection program, a description of the Center and its operation, and a conceptual construction plan with budgetary project cost estimate and an operating plan for the Center expansion.

This project was performed as part of the Recycling Technical Assistance program sponsored by the Pennsylvania Department of Environmental Protection (DEP) and the Solid Waste Association of North America (SWANA).

The letter report is divided into the following sections:

- Background data;
- Existing and proposed recyclables collection program;
- Description of the Center and its operation;
- Conceptual construction plan with budgetary project cost estimate and operating plan for the Center expansion; and
- Conclusions and recommendations.

Executive Summary

R. W. Beck conducted a project kick-off meeting with the County and a site visit to the Center. During the site visit, R. W. Beck took photographs and field measurements of the proposed expansion area at the Center.

The Progressive Workshop collects the materials at the "Circuit Rider" sites and permanent trailer sites, operates the Center, and maintains the collection vehicles. Circuit Rider sites are comprised of a staffed collection site available for a scheduled time (usually three- or four-hour increments) on a rotating basis. At these sites, materials are unloaded from customers' vehicles and placed directly onto a collection vehicle, with the assistance of Progressive Workshop trainees. Permanent trailer sites are unstaffed and available to residents 24-hours per day for

material drop-off. Since the opening of the Center in 1995, over 10,500 tons of materials have been recycled. Since the inception of the program, the amount of materials recycled has increased over 330 percent. Paper products collected include newspaper, magazine, cardboard, and office paper. Glass (all colors) was the second largest material collected at 14 percent by weight in 2006. In 2006, the Center collected almost 6,000 gallons of used motor oil. In recent years, the County has added numerous permanent trailer sites, and the result has been increased participation and volume of recyclables generated in the program.

R. W. Beck recommends that the County expand the Center to:

1. Accept the anticipated surge in recyclable materials collected and received;
2. Increase recyclable materials storage; and
3. Improve material handling and flow efficiency.

The conceptual expansion plan consists of an enclosed two-level 2,016-square-foot expansion located on the southwest corner of the Center. The exterior will match the exterior of the adjoining receiving shed. The upper level will have a steel-supported concrete floor to minimize wearing of the floor. The lower level will have a concrete slab floor, matching the existing concrete floor in the lower level of the barn. To receive a higher volume of recyclables in the upper level of the Center, the expansion plan will provide additional space for safer operation and increase overall productivity.

To increase baling production at the Center, the expansion plan includes installing a new horizontal baler to be purchased by the County through a state procurement process (pre-purchased) which will be placed in the lower level of the expansion. The new horizontal baler would compact various paper products and plastic containers.

The proposed schedule is to complete the detailed design documents in 2008, and to bid and construct the facility expansion in 2009. Based on the proposed schedule, the budgetary project cost estimate is approximately \$579,000. Budgetary project cost estimate includes the construction cost, engineering, and construction support services. Possible sources for future studies, as well as funding for engineering and construction include:

1. PennTAP;
2. Act101 Section 901 Planning Grants; and
3. Act 101 Section 902 Project Development Grant Funds.

Background Data

R. W. Beck conducted a project kick-off meeting with the County and a site visit to the Center. The meeting resulted in a better understanding of the goals the County has for the drop-off program and operations at the Center. R. W. Beck toured the Center to gain a first-hand understanding of the operations and current configuration of the Center. In addition, R. W. Beck interviewed Mr. Leonard Meneely, Executive Director, Progressive Workshop of Armstrong County, Inc. (the “Progressive Workshop”), who oversees recyclable materials collection and

operations at the Center. The Progressive Workshop is a private non-profit organization that provides vocational rehabilitation services to adults with physical and/or mental disabilities. Progressive Workshop staff member responsibilities include the duties of driving vehicles, taking part in materials collection and processing, training the “trainees” and supervision of the Center operations. The functions of assisting customers at the Circuit Rider sites and the Center, materials sorting, contaminant removal, processing duties such as loading material into balers, etc., are part of the training and employment opportunities provided to Workshop trainees. Employees provide some of the duties at the Center, such as driving and supervising, while the trainees perform sorting, contaminant removal, and load material into balers. Figure 1 shows a front view of the upper level of the Center.

Figure 1
Armstrong County Recycling Center – Upper Front Level



Based on the observations made at the Center, R. W. Beck recommends that the County expand the Center to:

1. Accept the anticipated surge in recyclable materials collected and received;
2. Increase recyclable materials storage; and
3. Improve material handling and flow efficiency.

As a follow-up to a data request, the County provided an equipment list, which is included in Appendix A, and engineering drawings for the Center.

Existing and Proposed Recyclables Collection Program

Since the onset of its partnership with the Progressive Workshop, the Center has focused on providing recycling opportunities to all residents of the County. To accomplish this task, the Center has always accepted recyclable materials delivered directly to the facility. To reach an

even greater portion of the community, the Progressive Workshop has operated the Circuit Rider collection program that offers more convenience to residents to drop-off their recyclable materials at pre-scheduled times and closer locations. In the past, the Circuit Rider program was responsible for a major portion of the residential recycling in Armstrong County. As recycling participation increases at the Circuit Rider sites, and when funds are available the Center locates permanent trailers at the sites to increase participation by residents. The permanent trailer sites are accessible 24 hours per day, 7 days per week to residents.

The Center has 16 trailers to collect recyclables at the permanent drop-off sites. The Center currently operates five Circuit Rider collection sites during March through December and 12 permanent trailer collection sites year round. The Circuit Rider sites are generally available to receive materials for a two to four hour periods. Ford City Borough is the only municipality that has two trailer sites. The Center recently reduced the number of Circuit Rider program sites from thirteen to five, changing some to permanent trailer sites. In the County, Kittanning and Leechburg boroughs provide residents with curbside collection of recyclables. In addition, Leechburg Borough operates a recycling drop-off center. Figure 2 shows the recycling trailer used at permanent trailer sites. Table 1 lists the locations of the five circuit rider sites and the 12 permanent trailer sites.

Figure 2
Recycling Trailer Used At Permanent Trailer Sites



Table 1
Armstrong Recycling Center
Existing Recycling Drop-off Sites

Circuit Rider Sites	Permanent Trailer Sites
Apollo Borough Brady's Bend Township Elderton Borough East Franklin Township/Franklin Village Mahoning Township	Apollo Borough/Kiski Township Cowansville/East Franklin Township Dayton Borough Ford City Borough – Site 1 Ford City Borough – Site 2 Freeport Borough Parker City Pine Township Rural Valley Borough Worthington Borough/West Franklin Township South Buffalo Township Elderton Borough ¹

¹ Site expected to be in place by the time this report is complete.

In addition to the above recycling collection sites, residents may drop off recyclables at the Center during normal operating hours. The Center and collection sites are available at no cost to Armstrong County residents. The Center also operates a commercial recyclables collection program, which is available to County businesses for a nominal fee, and provides collection events for difficult-to-manage items like tires and appliances.

With the recent increase in the number of permanent collection sites, and through continued public educational programs, the amount of materials received by the Center has been consistently increasing. The Center is currently considering adding another permanent site, but is deciding on its location, based on demographics and demand for recycling services. Once all of the permanent collection sites are in place, over 95 percent of the County residents will have access to recycling within five miles of their home, significantly increasing the convenience of recycling.

2006 Recyclables Collected and Marketed

Since the opening of the Center in 1995, over 10,500 tons of materials have been recycled. Figure 3 graphically illustrates the amount of materials recycled, excluding used motor oil, each year since 1995. Since the inception of the program, the amount of materials recycled has increased over 330 percent. From 2005 to 2006, the increase in tons received at the Center was 140 tons, representing a 13.6 percent increase.

Figure 3
Recyclables Collected at the Armstrong Recycling Center by Year (1995-2006)

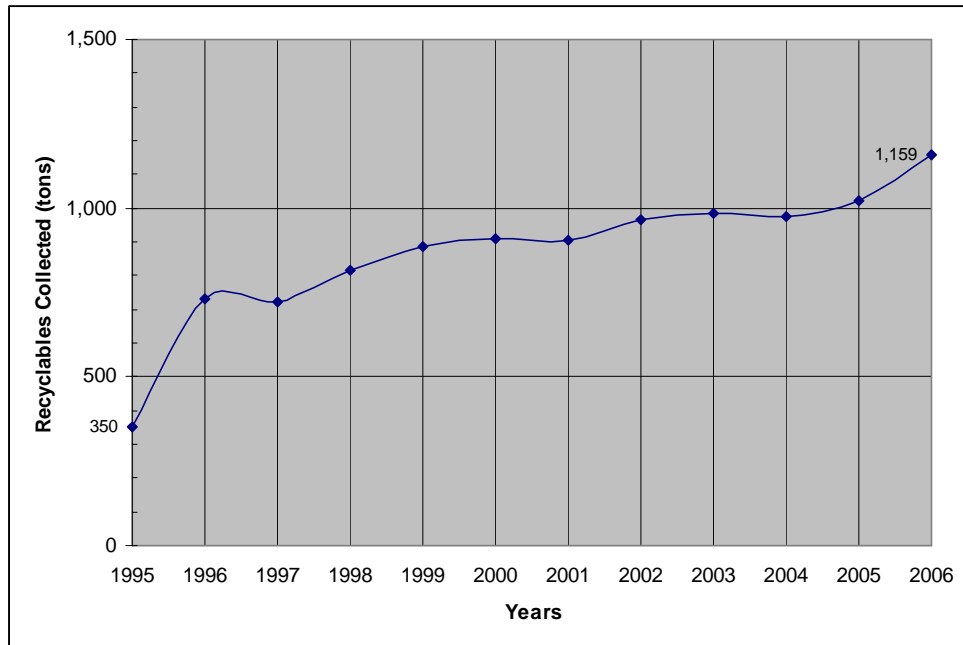
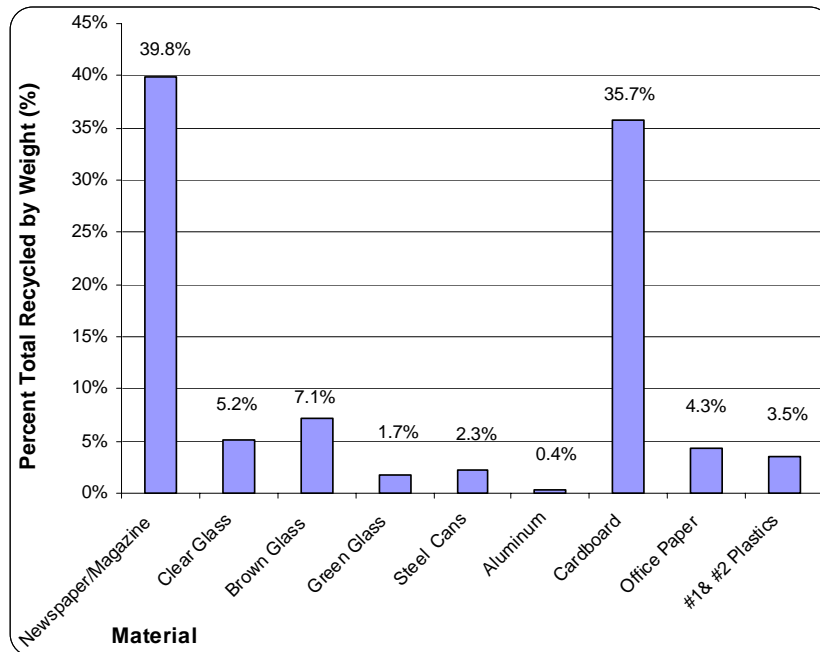


Figure 4 presents the recyclable materials collected by the Center, excluding used motor oil, by percent weight during 2006. In 2006, paper collectively represented almost 80 percent by weight of the material collected. Paper products collected include newspaper, magazine, cardboard, and office paper. Glass (all colors) was the second largest material collected at 14 percent by weight in 2006. In 2006, the Center collected almost 6,000 gallons of used motor oil.

Figure 4
2006 Recyclables Collected at the Armstrong Recycling Center



Description of the Center

Overview

As identified in the 2004 Armstrong County Solid Waste Management Plan, recycling will continue to play an important role in the County's overall waste management strategy. The Armstrong Recycling Center was opened in April 1995 as a joint effort between the County and the Progressive Workshop of Armstrong County. The Center is located along Route 85 east of Kittanning in Rayburn Township at the County's Armsdale Complex. It is open to the public for receiving recyclables five days per week, Tuesday through Saturday. It also processes materials on Mondays, with the exception of the first Monday of each month. The operating hours are:

- Monday – 8:00 a.m. to 4:00 p.m (facility is processing only, not open to the public on Mondays), except closed the first Monday of each month;
- Tuesday – 8:00 a.m. to 4:00 p.m.;
- Wednesday – 12:00 p.m. to 8:00 p.m.;
- Thursday – 8:00 a.m. to 4:00 p.m.;
- Friday – 9:00 a.m. to 5:00 p.m.; and
- Saturday – 9:00 a.m. to 1:00 p.m.

The following materials are accepted at the Center:

- Aluminum and steel cans;
- #1 & #2 plastic bottles;
- Clear, amber, and green glass bottles and jars;
- Corrugated cardboard;
- Office paper;
- Magazines;
- Newspaper; and
- Used motor oil.

The Center is a two-level dairy barn with a wood exterior. In 1995, an immediate expansion on the northwest corner of the Center provided a receiving shed that encloses a vertical baler and an inlet hopper for an inclined conveyor discharging multiple materials into a wooden storage bin on the upper level.

Small skid-steer, front-end loaders are used to remove the delivered materials from the delivery vehicles at the front of the upper level. Most materials are delivered essentially source-separated, thus the trainees perform minimal sorting. The Center's operations generally involve batch processing, and using manual labor to ensure that materials are sorted properly and to remove contaminants. The materials (with the exception of glass and metal cans) are generally inspected for contaminants, stored, and baled. Forklifts are used to transport the finished product bales from the south door on the lower level of the barn to an adjoining building for storage. This storage building was expanded in 2004. Sometimes, the bales are loaded directly into trucks at the loading dock, which is located at the rear lower level of the barn.

At the southeast corner of the Center, collected used motor oil is stored in a 6,000-gallon aboveground steel storage tank surrounded by a concrete block wall for secondary containment. The collected waste oil fuels two furnaces that provide forced air heating of the Center during cold weather.

Staffing

The Armstrong Recycling Center is a joint effort between the County and the Progressive Workshop. The Progressive Workshop operates the Center under a contract with the County. The Progressive Workshop of Armstrong County, Inc. is a private non-profit vocational rehabilitation facility. The Workshop provides vocational rehabilitation services to adults with physical, emotional or mental disabilities that hinder them from employment in the community. Businesses benefit from an additional labor force and trainees benefit from the paid "hands-on" work experience. Individualized training and job development is used as part of the trainee's ultimate goal of employment in the community.

The Progressive Workshop has staff members who serve in some supervisory-type functions, as well as perform jobs that trainees are not able to perform, such as operating balers and driving

rolling stock and vehicles. Trainees learn work skills and gain job experiences primarily through performing tasks such as sorting materials (though most materials arrive presorted, there is some quality control and sorting of materials) and placing materials in chutes (manually, by opening doors, and/or by using shovels). The trainees gain experience and training at the Center, which will ultimately help them compete for job placement in the traditional workforce. The Center's main goals are to provide training opportunities for trainees, and to assist the County in achieving the recycling goals set forth in the 2004 Solid Waste Management Plan. Progressive Workshop staffing typically includes 10 to 12 employees/trainees in the following positions:

- Operation manager (Progressive Workshop employee);
- Marketing manager (Progressive Workshop employee);
- Two to three truck drivers (one part-time) (Progressive Workshop employees);
- Door receiving coordinator (Progressive Workshop employee); and
- Five to six sorters/material handlers (Progressive Workshop trainees).

Existing Operations

The Center consists of the following four major areas:

1. Upper barn level;
2. Lower barn level;
3. Receiving shed; and
4. Adjoining bale storage building.

The equipment discussed in the operating narrative below is listed in Appendix A – Armstrong Recycling Center Equipment List. The appendix lists the suppliers, manufacturers, model numbers, serial numbers, and conditions of the equipment.

The upper barn level includes:

- A shredded newsprint baler with drop feed chute and pneumatic feed conveying line;
- Two drop feed chutes leading to two balers at the lower level;
- The six-compartment wooden storage bin with an elevated, cleated belt feed conveyor and rotating distributor;
- A metals conveyor and magnetic separator with aluminum drop chute and ferrous chute; and
- The Gaylords for the glass containers are on the lower level.

An enclosed northeast corner of the upper barn level provides an office and a restroom. The employee break/lunch room is located in the northeast corner on the lower level, along with another restroom and a conference room. The upper barn has a wooden floor that was recovered due to excessive wear on the original floor. The lower level of the barn, which has a concrete floor, includes a Peltz Manufacturing rotating chopper and blower; a Dens-a-Can International densifier; a Marathon Equipment horizontal baler; and a Piqua Waste Equipment vertical baler.

The six compartments of the wooden bin store the following materials separately:

1. Aluminum cans;
2. Steel cans;
3. Mixed cans;
4. Clear HDPE plastic containers;
5. Colored HDPE containers; and
6. Clear and color PET containers.

Most recyclable materials arrive presorted. Processing at the Center primarily consists of removing contaminants and baling or densifying all materials (except glass). Received recyclables are stored in barrels, bags, and Gaylord boxes. Trainees empty the receptacles onto an inclined, cleated belt feed conveyor with a rotating distributor at the top. The rotating distributor positions to direct the materials into the appropriate storage bin compartments to await baling.

The trainees manually remove the plastics containers from the base of the wooden storage bin and load the materials into appropriate feed chutes for the balers. Similarly, the trainees manually empty various receptacles containing paper materials into appropriate feed chutes for the balers. The drop chutes on the upper barn level feed the materials to two balers below as follows:

- Marathon Equipment horizontal baler – paper and cardboard; and
- Piqua Waste Equipment vertical baler – plastics.

The first central drop chute feeds paper and plastics to the Marathon Equipment horizontal baler. The second drop chute on the north side of the upper barn level directs plastics into the Piqua Waste Equipment vertical baler.

Newspaper flows via a drop feed chute into the rotating chopper and the blower, both are on the lower level, pneumatically conveys the shredded paper to the Moren Engineering horizontal baler on the upper level. The Center sells the shredded newspaper bales to local farmers for animal bedding.

On the upper level of the barn, trainees place glass containers into a chute, such that it drops down into a Gaylord box containing the proper color of glass (clear, amber, or green) in the lower level of the barn building. This method of gravity fall glass crushing saves the Center from having to use a mechanical glass crusher.

Trainees manually load mixed metal cans onto an inclined, cleated belt conveyor, and a magnetic head pulley separates the steel cans onto a chute and the aluminum cans fall over the conveyor end. The ferrous metal slides down a chute into a barrel and the aluminum falls through a chute into the Dens-a-Can International densifier below. The densifier is used to compact steel cans as well.

Commercial recyclers and the Center's trucks deliver segregated loads of cardboard to the receiving shed. Trainees manually load cardboard into the Galbreath vertical baler. In addition, trainees can manually drop cardboard through a rear wall opening on the upper level of the barn, such that cardboard falls into the vicinity of the baler inlet hopper. The recycling bin truck is then used to feed segregated loads of metal cans and plastic containers into the inlet hopper of the elevated, cleated belt feed conveyor. The inclined conveyor loads the materials into the selected compartments of the wooden storage bin on the upper level of the barn.

Conceptual Expansion Plan with Budgetary Project Cost Estimate

The current volume of materials received is stretching the capacity of the existing facility. Therefore, the County is considering expansion of the Center to increase the storage areas and processing capacities of the facility. Due to the increase of recyclables collected in recent months, the County has begun to process recyclables on Mondays, with the exception of the first Monday of the month, due to extra hours worked the first Saturday of the month. The following discussion describes the conceptual expansion plan proposed for the Center.

The two-level expansion will be located on the southwest corner of the Center. Figure 5 depicts the southwest corner of the Center. The expansion will add 2,016 square feet of enclosed space (23 x 42 x 2 floors). The expansion will include removing two rear roll-up doors at the loading dock. The expansion will provide a loading dock with a single roll-up door for possible direct transport of baled products to buyers. The exterior will match the exterior of the adjoining receiving shed. The upper level will have a steel-supported concrete floor and the lower level will have a concrete slab floor, matching the existing concrete floor in the lower level of the barn. Since the Center does not have sprinklers, the engineering design should explore the ability to provide automated fire protection.

Figure 5
 Armstrong Recycling Center – Proposed Southwest Expansion Area



To increase baling production at the Center, the expansion plan includes installing a new horizontal baler prepurchased by the County in the lower level of the expansion. The new horizontal baler would compact various paper products and plastic containers.

Table 2 lists the balers by type, use, and location in the conceptual expansion plan.

Table 2 Armstrong Recycling Center Conceptual Expansion Plan Baler Configuration				
Manufacturer	Type	Installation Year	Material Processed	Location
Piqua Waste Equipment	Vertical	1995	Plastics	Lower level of barn
Moren Engineering	Horizontal	1995	Shredded newspaper	Upper level of barn
Marathon Equipment	Horizontal	1999	Paper and Plastics	Lower level of barn
Galbreath	Vertical	2000	Cardboard	Receiving shed
(To be determined)	Horizontal	2009	Paper and Plastics	Lower level of expansion area

Table 3 provides a conceptual construction plan for the Center expansion. Table 4 provides a budgetary cost estimate for the proposed project. The construction cost estimate was prepared by a local contractor and reviewed by R. W. Beck. R. W. Beck completed the budgetary project cost estimate, adding costs for escalation (3.5 percent per year), engineering, and construction support services. The proposed schedule is to complete the detailed design documents in 2008, and to bid and construct the facility expansion in 2009.

Table 3 Armstrong Recycling Center Conceptual Expansion Plan Construction Plan	
Item	Description
Expansion Size	Two-level – 24 ft. wide by 42 ft. long
Applicable Construction Codes	2003 International Codes (including International Building Code 2003) Enforced by Rayburn Township
Upper Level	Higher pressure (4000 psi+), wear-resistant concrete floor supported by steel, matching upper wood floor of barn, which is about 9 feet above the lower level of the barn
Lower Level	Concrete floor, matching lower concrete floor of barn
Exterior	Match previous rear expansion for the receiving shed at northwest corner At center rear, Provide new loading dock with one roll-up door and leveler to load box truck
Access	Provide stair tower between upper and lower levels of the barn Provide man door access to outside at lower level Remove two roll-up doors at existing loading dock Provide a new roll-up door at the new loading dock
Plumbing	Provide several 1-inch minimum hose connections with floor drains on each level Connect drains to existing service
Electrical	Provide overhead lighting on both levels Provide 120-volt outlets on both levels Provide electric service to three balers
Heating	Expand or upgrade waste oil-fired forced heating system to serve the expansion area
Mechanical	Install new horizontal baler

Table 4 Armstrong County Recycling Center Expansion Estimated Budget (2009 Dollars)	
Item	Cost
Excavation	\$26,307
Masonry	\$48,985
Concrete	\$72,571
Steel Structure	\$87,085
Framing & Exterior Finish	\$94,342
Heating, Ventilation, & Air Conditioning	\$21,771
Electrical	\$16,328
Loading Dock	\$11,611
Exterior and Loading Dock Roll-up Door	\$12,156
Roof System	\$15,784
Install New Baler	\$105,427
Bid Construction Cost Estimate	\$512,367
Detailed Engineering & Construction Support Services	\$ 66,608
Project Cost	\$578,974

Conclusions and Recommendations

Based on the observations at the Center, R. W. Beck recommends that the County expand the Center to:

1. Accept the anticipated surge in recyclable materials collected and received;
2. Increase recyclable materials storage; and
3. Improve material handling and flow efficiency, while maintaining training opportunities for Progressive Workshop trainees.

These recommendations will be used to assist the County and the Progressive Workshop with the development of grant applications and other funding requests. In addition, the conceptual construction and operating plans will improve the materials processing flow to create greater operational efficiency and to handle the increased volume of materials anticipated at the Center. As described above, the County has been increasing the number of permanent trailer sites for recycling in recent years, which has been greatly increasing participation in the County's program. The expansion is necessary to process the increased volume of materials.

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The conceptual expansion plan consists of a two-level, enclosed 2,016-square-foot expansion located on the southwest corner of the Center. The exterior will match the exterior of the adjoining receiving shed. The upper level will have a steel-supported concrete floor to minimize wearing of the floor. The upper barn has a wooden floor that was recovered due to excessive wear on the original floor. The lower level will have a concrete slab floor, matching the existing concrete floor in the lower level of the barn. To receive a higher volume of recyclables in the upper level of the Center, the expansion plan will provide additional space for safer operation and increase overall productivity.

To increase baling production at the Center, the expansion plan comprises installing a new horizontal baler prepurchased by the County in the lower level of the expansion. The new horizontal baler would compact various paper products and plastic containers.

The proposed schedule is to complete the detailed design documents in 2008, and to bid and construct the facility expansion in 2009. Based on the proposed schedule, the budgetary project cost estimate is approximately \$579,000. Budgetary project cost estimate includes the construction cost, engineering, and construction support services. Possible sources for future studies and funding of engineering and construction costs include:

1. PennTAP;
2. Act 101 Section 901 Planning Grants; and
3. Act 101 Section 902 Project Development Grant Funds.

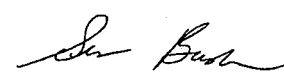
Next steps that the County should consider in order refine the specifics of the expansion include:

1. For the proposed planning period, review projected recyclables collected by material considering recent experience since preparing the 2004 Armstrong County Solid Waste Management Plan;
2. Perform an in-depth storage and material flow analysis for the proposed Center expansion;
3. Prepare engineering design drawings and specifications for the proposed Center expansion to include in the bid package; and
4. Develop a corresponding definitive cost estimate.

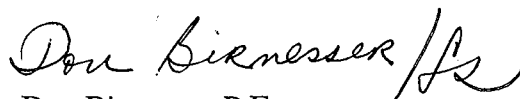
We hope these findings are useful to you, and we appreciate the opportunity to work with the County of Armstrong on this project. Please contact us at (508) 935-1807 or sbush@rwbeck.com should you have any questions.

Very truly yours,

R.W. BECK, INC.



Susan Bush
Project Manager



Don Birnesser, P.E.,
Senior Engineer

Appendix A
Armstrong Recycling Center
Equipment List

**Appendix A
Armstrong Recycling Center
Equipment List**

Year Purchased	Equipment	Supplier	Manufacturer	Model Number	Serial Number	Condition
1994-1995	Down Stroke Baler	Bruce Mooney	Piqua Waste Equipment Inc.	HD 2200		Good
	Magnetic Separator/Elevator	Bruce Mooney	Dens-a-Can Can Elevator			Poor
	Glass Crusher	Bruce Mooney	Dens-a-Can Int'l	GB 100	G0245295	Good
	Hopper/Conveyor	Bruce Mooney	Remco			Good
	Paper Baler	Bruce Mooney	Moren Engineering	14-S	994145	Good
	Blower	Bruce Mooney	Peltz Mfg. Inc.	95	1343	Fair
	Chopper	Bruce Mooney	Peltz Mfg. Inc. Rotochopper	95	1341	Fair
	Conveyor	Bruce Mooney	Peltz Mfg. Inc. Rotochopper	95	1342	Fair
	Skid-loader	Crytzer Equipment	Case Industrial	JI Case 1840	JAF0172337	Good
	Platform Scale	Acme Scale	PA Scale Co.	7400M	34221485	Good
	Pallet Truck	Grainer	BT Pallet Jack	12000U	1050265	Fair
	Recycling Bin Truck	Murray's Ford	Ford	F800 Series	FDXF82CISVA66190	Good
	Side unloading recycler	G-S Products	G-S Products	GS 4000	GS4225D004D95	Good
1997	Bin Trailer	Donated	Geneva Mfg. Inc.	RS 14	4BEUS1417LVWJH002	Poor
1999	Horizontal Baler	Marathon Equipment	Marathon	G-3560	108620	Good
2000	Vertical Baler	Bruce Mooney	Galbreath	PAT 3060	GVB C234	Good
2002	6,000 gal. Oil Tank	Brookville Tanks	Brookville Tank Mfg.	6838	A429660	Good
2004	Recycling Truck	Hunters	International	4200 VT 365	1HTMPAFN45H121731	Good
	Box for Truck	Hunters	V8 True Body		408-1938	Good
	Lift Gate	Hunters	Anthony	SF Series AST 20CO	66400	Good
	Recycling Trailer	Dempster	Alleycat	RSWT-3000	04087	Good
	Recycling Trailer	Dempster	Alleycat	RSWT-3000	04054	Good
	Recycling Trailer	Dempster	Alleycat	RSWT-3000	04086	Good
	Recycling Trailer	Dempster	Alleycat	RSWT-3000	04061	Good

Year Purchased	Equipment	Supplier	Manufacturer	Model Number	Serial Number	Condition
	Recycling Truck	Allegheny	Ford	F 650 4X2	3FRNF65F66V318664	Good
	Box for Truck	Allegheny	Morgan	GVS009724096	MPA05VB06038	Good
	Lift Gate	Allegheny	Maxon	TE-20	120558690	Good
	Can Densifier	Bruce Mooney	Dens a Can	DAC 1200 W Conv.	B193 05-05	Good
	Pallet Truck	MSC	Multiton		305624-M50	Good
	Pallet Truck Lift	MSC	Multiton		14038635	Good
	Pallet Truck	MSC	Multiton		308620-M50	Good
	Pallet Truck Lift	MSC	Multiton		14038668	Good
	Pallet Truck	MSC	Multiton		308625-M50	Good
	Pallet Truck Lift	MSC	Multiton		14038688	Good
2006	Pick-up Truck	Allegheny	Ford	F250	1FTNF21526EB82399	Good
	Recycling Trailer	Dempster	Alleycat	RSWT-3000	06035	Good
	Recycling Trailer	Dempster	Alleycat	RSWT-3000	06036	Good
	Recycling Trailer	Dempster	Alleycat	RSWT-3000	06045	Good
	Recycling Trailer	Dempster	Alleycat	RSWT-3000	06038	Good
	Recycling Trailer	Dempster	Alleycat	RSWT-3000	06039	Good
	Recycling Trailer	Dempster	Alleycat	RSWT-3000	06040	Good
	Recycling Trailer	Dempster	Alleycat	RSWT-3000	06041	Good
	Recycling Trailer	Dempster	Alleycat	RSWT-3000	06042	Good
	Recycling Trailer	Dempster	Alleycat	RSWT-3000	06043	Good
	Recycling Trailer	Dempster	Alleycat	RSWT-3000	06044	Good
	Furnace 1	Rosenburger	Ag Solutions LLC	Model B 300	06H1926	Good
	Furnace 2	Rosenburger	Ag Solutions LLC	Model B 300	05K1065	Good
	Recycling Trailer	Dempster	Alleycat	RSWT-3000	06073	Good
	Recycling Trailer	Dempster	Alleycat	RSWT-3000	06074	Good