

Worksession

MEMORANDUM

May 1, 2009

TO: County Council

FROM: *KL* Keith Levchenko, Senior Legislative Analyst

SUBJECT: Worksession: CIP Amendment - Department of Environmental Protection (DEP)- Transfer Station Improvements (Project #500550)

**Transportation, Infrastructure, Energy & Environment (T&E) Committee Recommendation:
Amend the Transfer Station Improvements Project**

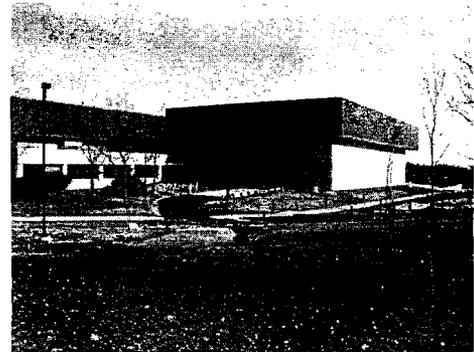
- Remove the FY10 appropriation.
- Add the following text to the project description form:
“The FY10 appropriation for this project is zero pending additional Gude Landfill remediation planning being done by DEP as required by the Maryland Department of the Environment. Appropriation authority within this project may be pursued in the future depending on the results of this planning work.”

On March 19, 2009 the Executive transmitted a number of CIP amendments, including an amendment to the Transfer Station Improvements project (project description form on ©1).

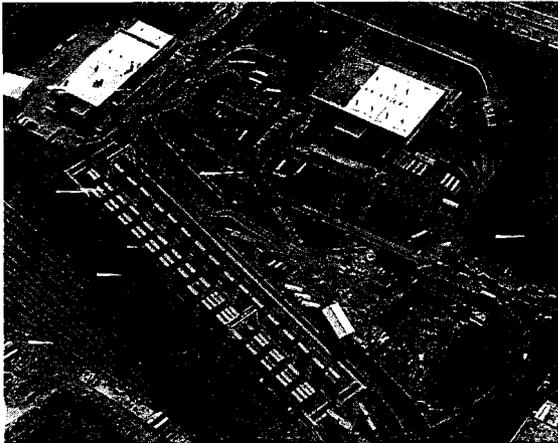
Background

The project, as approved in the FY09-14 CIP (project description form attached on ©2) includes two distinct scopes of work.

The first piece, which was completed last year, included the expansion of the transfer building (see photo to the right), upgrades and additions to the truck weighing facilities, the addition of one more bay at the Public Unloading Facility and associated connecting roads and paving. This work was done to help improve the safety of



the unloading operations by separating large collection vehicles from smaller vehicles and to increase the efficiency of operations and reduce the frequent queuing of vehicles onto Shady Grove Road.



The second piece of the project involves re-locating the Yard Trim/Wood Waste Processing Facility from the Transfer Station (see photo) to the Closed Gude Landfill. The current space is not adequate to handle the volume and types of vehicles. This relocation will improve safety and efficiency at the Transfer Station by reducing overall vehicle traffic and will allow DSWS to provide a safer, efficient, and more flexible yard trim/wood waste facility.

Residential drop-off would still occur at the Transfer Station (to maintain a one-stop capability for residents with multiple items such as trash, recyclables, and yard trim), but commercial drop-off of yard trim (most of the yard trim volume) would move. The Transfer Station would also still send some yard trim to the compost facility by rail as it does now.

Gude Landfill Remediation Issues

On February 9 the T&E Committee was briefed on DEP's latest efforts to address Maryland Department of the Environment (MDE) requirements as well as community concerns regarding methane migration and groundwater quality. DEP noted at the briefing that these issues need to be addressed first before the yard trim relocation project can move into construction.

The March 19 CIP amendment assumed a delay in the construction of the yard trim facility from FY10 to FY11 and assumed to spend about \$1.3 million in FY09 on further study, mitigation and design work to address MDE's and the community's concerns regarding the yard trim relocation.

Since the March 19 transmittal, based on continued coordination with MDE, DEP has identified the next steps of work to be done as a "nature and extent" study followed by a remediation alternatives assessment. The first study is likely to take the first half of FY10. While some of this work will relate to the potential relocation of the yard trim facility, much of it will be far broader in context. Given these next steps, DEP staff and Council staff have discussed various options for moving forward with this work.

In order to move forward immediately on the necessary studies to identify remediation needs and alternatives, and because of reduced waste volumes being experienced by the Division of Solid Waste Services, DEP has identified surplus appropriation in FY09 in the Solid Waste Disposal Fund that can be used to begin this work. DEP can contract through the Northeast Maryland Waste Disposal Authority to implement this work in a timely and cost-effective manner.

The FY09 funding would preclude the need for a July 1 (FY10) appropriation for the Transfer Station Improvements project. Also, since the yard trim relocation is now on hold pending the outcome of the studies mentioned above, even the delayed timing of the yard trim project assumed in the March 19 amendment is very much in doubt.

In light of the above information, the T&E Committee recommends the following:

- **Assume DEP will utilize surplus Solid Waste Disposal Fund appropriation in FY09 to begin the remediation studies mentioned above. *DEP will provide more details regarding the FY09 surplus appropriation and contract scopes as this work progresses.***
- **Do not approve the Executive's March 19 amendment to the Transfer Station Improvements project.**
- **Instead, amend the current project to show no appropriation for FY10. Include the following text in the project description form:**

"The FY10 appropriation for this project is zero pending additional Gude Landfill remediation planning being done by DEP as required by the Maryland Department of the Environment. Appropriation authority within this project may be pursued in the future depending on the results of this planning work."

During FY10, if DEP reaches a point where FY10 dollars are needed (either operating or CIP dollars) for additional remediation work and/or to pursue further work regarding the yard trim relocation, a supplemental appropriation can be requested.

Attachments

F:\Levchenko\Solid Waste\Operating Budget\FY10\Council Transfer Station Amendment 5 5 09.doc

Transfer Station Improvements -- No. 500550

Category
Subcategory
Administering Agency
Planning Area

Solid Waste-Sanitation
Solid Waste Management
General Services
Rockville

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

March 18, 2009
No
None.
Planning Stage

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY08	Rem. FY08	Total 6 Years	FY09	FY10	FY11	FY12	FY13	FY14	Beyond 6 Years
Planning, Design, and Supervision	2,374	614	580	1,180	904	276	0	0	0	0	0
Land	1	1	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	10,397	0	565	9,832	0	500	9,332	0	0	0	0
Construction	7,141	6,538	119	484	0	484	0	0	0	0	0
Other	41	0	0	41	0	41	0	0	0	0	0
Total	19,954	7,153	1,264	11,537	904	1,301	9,332	0	0	0	0

FUNDING SCHEDULE (\$000)

Solid Waste Disposal Fund	19,954	7,153	1,264	11,537	904	1,301	9,332	0	0	0	0
Total	19,954	7,153	1,264	11,537	904	1,301	9,332	0	0	0	0

OPERATING BUDGET IMPACT (\$000)

Maintenance				297	0	0	0	99	99	99
Energy				132	0	0	0	44	44	44
Program-Staff				408	0	0	0	136	136	136
Program-Other				1,203	0	0	0	401	401	401
Net Impact				2,040	0	0	0	680	680	680
WorkYears					0.0	0.0	0.0	2.2	2.2	2.2

DESCRIPTION

This project consists of the assessment of the effectiveness of current operations at the Transfer Station Complex, and the planning, design and implementation of improvements to the facility. The County needs to plan and prepare the necessary infrastructure to maintain fundamental waste management services. This requires: modifications to the current transfer station facility to improve safety by separating large collection vehicles from smaller vehicles being driven and unloaded by residents and businesses; increases in the efficiency of operations through additional truck scales for weighing in and weighing out vehicles and additional unloading areas; and reductions in the frequent queuing of vehicles onto Shady Grove Road. This project also provides for the design and construction of a yard trim/wood waste processing facility to be relocated from the Transfer Station complex to the Gude Drive Landfill.

COST CHANGE

Revised project schedule to reflect current implementation plans.

JUSTIFICATION

The growth in County population, the increases in the percentage of County-generated waste that stays in the County and is disposed of at County facilities, the increases in the number and size of businesses, and the corresponding increases in the number of collection vehicles serving these businesses dropping off refuse and recyclables all contribute to significant impacts on the efficient and effective operation of County waste facilities. Over the past several years, the County added programs to the Transfer Station site to improve customer service, recycling opportunities, and address State and County requirements, i.e., yard waste was banned from disposal facilities. When the Transfer Station opened over 20 years ago, it just handled waste for disposal. Presently, in addition to handling waste for disposal, the Transfer Station provides an extensive drop-off area for recycling and a yard waste drop-off and processing area. This has resulted in increased demands on the Transfer Station site resulting in a need to upgrade the facility to safely and efficiently handle the increased volume in traffic and waste. The Management of Yard Trim/Wood Waste is the second largest activity at the Transfer Station, after the management of burnable solid wastes. The Transfer Station receives approximately 40,000 to 80,000 tons per year of yard trim/wood waste to be managed as a separate recyclable commodity. The new facility at the Gude Landfill includes an 8,000 square foot maintenance building, two seventy foot scales with a scale house, office space, loading scale and tarping station, parking, waste drop off, and processing areas.

OTHER DISCLOSURES

- A pedestrian impact analysis has been completed for this project.

CE Recommended Amendment
3/19/09

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP																																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Date First Appropriation</td> <td>FY05</td> <td>(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td>FY09</td> <td>19,954</td> </tr> <tr> <td>Current Scope</td> <td></td> <td></td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td>19,954</td> </tr> <tr> <td>Appropriation Request</td> <td>FY10</td> <td>1391,600</td> </tr> <tr> <td>Supplemental Appropriation Request</td> <td></td> <td>0</td> </tr> <tr> <td>Transfer</td> <td></td> <td>0</td> </tr> <tr> <td>Cumulative Appropriation</td> <td></td> <td>9,321</td> </tr> <tr> <td>Expenditures / Encumbrances</td> <td></td> <td>7,172</td> </tr> <tr> <td>Unencumbered Balance</td> <td></td> <td>2,149</td> </tr> <tr> <td>Partial Closeout Thru</td> <td>FY07</td> <td>0</td> </tr> <tr> <td>New Partial Closeout</td> <td>FY08</td> <td>0</td> </tr> <tr> <td>Total Partial Closeout</td> <td></td> <td>0</td> </tr> </table>	Date First Appropriation	FY05	(\$000)	First Cost Estimate	FY09	19,954	Current Scope			Last FY's Cost Estimate		19,954	Appropriation Request	FY10	1391,600	Supplemental Appropriation Request		0	Transfer		0	Cumulative Appropriation		9,321	Expenditures / Encumbrances		7,172	Unencumbered Balance		2,149	Partial Closeout Thru	FY07	0	New Partial Closeout	FY08	0	Total Partial Closeout		0	<p>Department of General Services Department of Environmental Protection M-NCPPC Department of Permitting Services PEPCO WSSC</p>	<p>See Map on Next Page</p>
Date First Appropriation	FY05	(\$000)																																							
First Cost Estimate	FY09	19,954																																							
Current Scope																																									
Last FY's Cost Estimate		19,954																																							
Appropriation Request	FY10	1391,600																																							
Supplemental Appropriation Request		0																																							
Transfer		0																																							
Cumulative Appropriation		9,321																																							
Expenditures / Encumbrances		7,172																																							
Unencumbered Balance		2,149																																							
Partial Closeout Thru	FY07	0																																							
New Partial Closeout	FY08	0																																							
Total Partial Closeout		0																																							

Transfer Station Improvements -- No. 500550

Category
Subcategory
Administering Agency
Planning Area

Solid Waste-Sanitation
Solid Waste Management
General Services
Rockville

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

June 03, 2008
No
None
Planning Stage

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY07	Est. FY08	Total 6 Years	FY09	FY10	FY11	FY12	FY13	FY14	Beyond 6 Years
Planning, Design, and Supervision	2,375	497	698	1,180	904	276	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	10,397	0	565	9,832	0	9,832	0	0	0	0	0
Construction	7,141	4,803	1,854	484	0	484	0	0	0	0	0
Other	41	0	0	41	0	41	0	0	0	0	0
Total	19,954	5,300	3,117	11,537	904	10,633	0	0	0	0	0

FUNDING SCHEDULE (\$000)

Solid Waste Disposal Fund	19,954	5,300	3,117	11,537	904	10,633	0	0	0	0	0
Total	19,954	5,300	3,117	11,537	904	10,633	0	0	0	0	0

OPERATING BUDGET IMPACT (\$000)

Maintenance				149	0	9	35	35	35	35
Energy				68	0	4	16	16	16	16
Program-Staff				569	0	33	134	134	134	134
Program-Other				1,713	0	101	403	403	403	403
Net Impact				2,499	0	147	588	588	588	588
WorkYears					0.0	0.3	2.2	2.2	2.2	2.2

DESCRIPTION

This project consists of the assessment of the effectiveness of current operations at the Transfer Station Complex, and the planning, design and implementation of improvements to the facility. The County needs to plan and prepare the necessary infrastructure to maintain fundamental waste management services. This requires: modifications to the current transfer station facility to improve safety by separating large collection vehicles from smaller vehicles being driven and unloaded by residents and businesses; increases in the efficiency of operations through additional truck scales for weighing in and weighing out vehicles and additional unloading areas; and reductions in the frequent queuing of vehicles onto Shady Grove Road. This project also provides for the design and construction of a yard trim/wood waste processing facility to be relocated from the Transfer Station complex to the Gude Drive Landfill.

COST CHANGE

Increase due to the addition of design and construction costs for the yard trim/wood waste facility.

JUSTIFICATION

The growth in County population, the increases in the percentage of County-generated waste that stays in the County and is disposed of at County facilities, the increases in the number and size of businesses, and the corresponding increases in the number of collection vehicles serving these businesses dropping off refuse and recyclables all contribute to significant impacts on the efficient and effective operation of County waste facilities. Over the past several years, the County added programs to the Transfer Station site to improve customer service, recycling opportunities, and address State and County requirements, i.e., yard waste was banned from disposal facilities. When the Transfer Station opened over 20 years ago, it just handled waste for disposal. Presently, in addition to handling waste for disposal, the Transfer Station provides an extensive drop-off area for recycling and a yard waste drop-off and processing area. This has resulted in increased demands on the Transfer Station site resulting in a need to upgrade the facility to safely and efficiently handle the increased volume in traffic and waste. The Management of Yard Trim/Wood Waste is the second largest activity at the Transfer Station, after the management of burnable solid wastes. The Transfer Station receives approximately 40,000 to 80,000 tons per year of yard trim/wood waste to be managed as a separate recyclable commodity. The new facility at the Gude Landfill includes an 8,000 square foot maintenance building, two seventy foot scales with a scale house, office space, loading scale and tarping station, parking, waste drop off, and processing areas.

OTHER DISCLOSURES

- A pedestrian impact analysis has been completed for this project.

Approved FY09-14

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Date First Appropriation</td> <td>FY05</td> <td>(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td>FY09</td> <td>19,954</td> </tr> <tr> <td>Current Scope</td> <td></td> <td></td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td>8,417</td> </tr> </table>	Date First Appropriation	FY05	(\$000)	First Cost Estimate	FY09	19,954	Current Scope			Last FY's Cost Estimate		8,417	Department of General Services Department of Environmental Protection M-NCPPC Department of Permitting Services PEPCO WSSC	See Map on Next Page
Date First Appropriation	FY05	(\$000)												
First Cost Estimate	FY09	19,954												
Current Scope														
Last FY's Cost Estimate		8,417												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Appropriation Request</td> <td>FY09</td> <td>904</td> </tr> <tr> <td>Appropriation Request Est.</td> <td>FY10</td> <td>10,633</td> </tr> <tr> <td>Supplemental Appropriation Request</td> <td></td> <td>0</td> </tr> <tr> <td>Transfer</td> <td></td> <td>0</td> </tr> </table>	Appropriation Request	FY09	904	Appropriation Request Est.	FY10	10,633	Supplemental Appropriation Request		0	Transfer		0		
Appropriation Request	FY09	904												
Appropriation Request Est.	FY10	10,633												
Supplemental Appropriation Request		0												
Transfer		0												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Cumulative Appropriation</td> <td></td> <td>8,417</td> </tr> <tr> <td>Expenditures / Encumbrances</td> <td></td> <td>7,864</td> </tr> <tr> <td>Unencumbered Balance</td> <td></td> <td>553</td> </tr> </table>	Cumulative Appropriation		8,417	Expenditures / Encumbrances		7,864	Unencumbered Balance		553					
Cumulative Appropriation		8,417												
Expenditures / Encumbrances		7,864												
Unencumbered Balance		553												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Partial Closeout Thru</td> <td>FY06</td> <td>0</td> </tr> <tr> <td>New Partial Closeout</td> <td>FY07</td> <td>0</td> </tr> <tr> <td>Total Partial Closeout</td> <td></td> <td>0</td> </tr> </table>	Partial Closeout Thru	FY06	0	New Partial Closeout	FY07	0	Total Partial Closeout		0					
Partial Closeout Thru	FY06	0												
New Partial Closeout	FY07	0												
Total Partial Closeout		0												

