



District of Columbia Water and Sewer Authority  
 Biosolids Management Program  
**Biosolids Management Program Goals and Action Plan**

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Goals	Milestones	Actions	Indicator	Means of Verification	Assumptions	Baseline*	Responsible Party	Progress & Outcome
<b>1</b>	<b>Sustained regulatory compliance</b>							
	<b>1.1</b>	<b>Reduce the number of odor incidents in the field by 50%</b>	# of odor incidents	review of monthly inspection reports	State regulations remain unchanged, public	18		
		Develop an early warning system for IR sensors SOP)					Ramirez	10%
		Develop a plan for communicating polymer changes					Peot/Ritter	60%
		Develop a plan for sludge age, blend ratio, thickener performance					Peot/Ritter	20%
	<b>1.2</b>	<b>Reduce the number of low pH trucks leaving the plant by 50%</b>	# of low pH trucks	review of monthly inspection reports	State regulations remain unchanged, public	12		
		Finish IR temp feedback system					Ramirez	60%
		Investigate thermocouple backup system					Ramirez	10%
<b>2</b>	<b>Improved biosolids quality management</b>							
	<b>2.1</b>	<b>Conduct a minimum of two research projects designed to improve</b>	# of research projects	review of research final reports	Research budget remains intact for FY07	NA		
		U of MD EDC research projects					Ramirez	30%
		Va Tech Digester research					Peot	30%
		MABA odors					Peot	30%
	<b>2.2</b>	<b>Reduce truck loading time during rush hour by 20%</b>	avg. loading time for trucks	review of scale database records	Maintenace support is available	2 hours		
		Coordinate with CM and DES to solve silo issues					Ritter	40%
		SOP for Off Hour Propping using silo self loading					Ritter	20%
	<b>2.3</b>	<b>Coordinate at least 2 meetings with operators and maintenance to</b>	# of meetings with operations team	review of meeting notes	Operational flexibility exists within the system	NA		
		Correlate BD's to centrifuge (% solids, polymer dose, odors)					Peot	20%
		Optimize blend ratio for centrifuge optimization					Peot	20%
		Examine additives for enhancing dewatering (Kemicond)					Ramirez	50%
	<b>2.4</b>	<b>Continue verification of NBP EMS annually</b>	# of internal audits	review of audit reports	Assumes internal audit staff remains available	NA		
		Develop schedule with internal auditors for element review					Petra wesley	20%
		Review audit results in annual report					Petra Wesley	10%
	<b>2.5</b>	<b>Calculate and track pretreatment effects in reducing pollutants fro</b>	# of completed spreadsheets	check agains PT data		0		
		Develop a list of industrial dischargers, sortable by category/flow					Wilson	60%
	<b>2.6</b>	<b>Achieve at least one program diversification project</b>	# of diversification projects, monthly	direct observation of new facilities, report	Assumes regulatory acceptance for compost	NA		
		Start compost operation in Aq Bag system by end of fiscal year					Ramirez	30%
		Track diversity options by tonnage					Razik	50%

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		Begin development of new BMP w/o digestion					Sobek	20%
<b>3</b>	<b>Expanded relations with interested parties</b>							
	<b>3.1</b>	<b>Increase interested party list by 25%</b>	# of interested parties	review of IP list		120		
		Contact at least one county official a week via e-mail or phone					Peot	20%
		Add new members of the public and CFT to the IP list (create cards or inserts for brochures)					Peot	20%
	<b>3.2</b>	<b>Increase VBC web site participation by 25%</b>	# of visits	data review	VBC still with us through the year	1500 (verify)		
		Charge VBC with tracking and progress fo site visits					Berger	10%
		Discuss stakeholder workgroup formation with VBC					Berger	0%
	<b>3.3</b>	<b>Receive all complaint information within 30 days of incident</b>	# of complaints beyond 30 days	review of complaint report		6		
		Contact State with request for information on complaints					Berger	0%
		Develop a system for grabbing the data and placing in database					Razik	10%
	<b>3.4</b>	<b>Disseminate results for all completed research to interested parties</b>	# of e-mails sent	review of e-mail records	reports available on schedule	NA		
		Request semi-annual reports from researchers with fact sheets					Ramirez	10%
		Send summaries to interested parties					Peot	0%
		Include summaries in annual report and VBC newsletter					Peot	0%
	<b>3.5</b>	<b>Assist with efforts to increase local monitor coverage in Virginia</b>	# of sessions	attendance sheets	locals willing to host	NA		
		Hold at least one MES inspector training program in VA					Razik	10%
		Provide info to VBC for monitor training webpage					Razik	50%
<b>4</b>	<b>Improved/innovative environmental performance</b>							
	<b>4.1</b>	<b>Calculate the environmental benefits of reduced trucking</b>	# of research projects	review of research final reports	reports available on schedule	NA		
		Calculate truck miles, pollution saved, etc w/higher % solids cake					Peot	50%
	<b>4.2</b>	<b>Monitor full compliance with nutrient management planning</b>						
		MES staff to conduct spot checks of nutrient management plans						20%
	<b>4.3</b>	<b>Calculate biosolids program greenhouse gas balance by end of FY</b>	# of completed greenhouse gas	review of GH gas balance sheets		NA		
		Calculate GH gas savings from ERCO site					Peot	50%
		Calculate for composting operations (potential)					Peot	10%
		Calculate monthly GH gas benefits in terms of car miles					Peot	100%
		Verify calcs with academic sources					Peot	20%