			Certified Pollutant Reduc	tion Activities			
-	1		5/23/2012	Т		Date	Certification Valid
#	Applicant and certification request description	Watershed	N Credits Certified	P Credits Certified	S Reductions	Certified	Until
	Red Barn Trading Company - Client 113: credits generated						
	by exporting poultry manure from Juniata to a location						
1	outside of the watershed.	Susquehanna	8,246	1,031		06/22/06	X
1	Red Barn Trading Company - Client 28: credits generated by	Susquenanna	8,240	1,031		00/22/00	Λ
	exporting poultry manure from Schuylkill to a location						
2	outside of the watershed.	Susquehanna	21,141	2,643		09/07/06	X
	Red Barn Trading Company - Client 204: credits generated		,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	by exporting poultry manure from Huntington to a location						
3	outside of the watershed.	Susquehanna	9.036	1,130		09/07/06	X
_	Red Barn Trading Company - Client 205: credits generated		2,000	-,		0,,0,,0	
	by exporting poultry manure from Snyder to a location						
4	outside of the watershed.	Susquehanna	24,405	3,051		09/07/06	X
	Red Barn Trading Company - Client 198: credits generated						
	by exporting poultry manure from Union to a location outside						
5	of the watershed.	Susquehanna	10,525	1,317		09/18/06	X
	Red Barn Trading Company - Client 139: credits generated						
	by exporting poultry manure from Juniata to a location						
6	outside of the watershed.	Susquehanna	11,154	1,394		09/18/06	X
	IIDCAGitan Danianal Anthonism Facility and an dis-						
	HRG/Milton Regional Authority: Facility generated credits through the process/treatment of the wastewater. These						
	, i						
7	credits may be revised once the facility receives their final	C	46,000	6,000		10/22/06	X
/	NPDES permit. Red Barn Trading Company - Client 374: credits generated	Susquehanna	46,000	6,000		10/22/06	Λ
	by exporting poultry manure from Juniata to a location						
8	outside of the watershed.	Susquehanna	9.243	1,155		12/04/06	X
0	Red Barn Trading Company - Client 292: credits generated	Susquenanna	9,243	1,133		12/04/00	Λ
	by exporting poultry manure from Snyder to a location						
9	outside of the watershed.	Susquehanna	11,050	1,381		12/07/06	X
	Red Barn Trading Company - Client 388: credits generated		,	-,			
	by exporting poultry manure from Perry to a location outside						
10	of the watershed.	Susquehanna	17,319	2,165		12/08/06	X
10		Susquenanna	17,319	2,103		12/06/00	Λ
	Red Barn Trading Company - Client 282: credits generated						
1.1	by exporting poultry manure from Lancaster to a location	C	12,344	1,543		01/17/07	v
11	outside of the watershed.	Susquehanna	12,344	1,543		01/17/07	X
	Red Barn Trading Company - Client 401: credits generated						
1.0	by exporting poultry manure from Lebanon to a location		55.005	£ 022		01/17/07	37
12	outside of the watershed.	Susquehanna	55,387	6,923		01/17/07	X
	Red Barn Trading Company - Client 11: credits generated by						
1.2	exporting poultry manure from Franklin to a location outside	D 4	69.122	0.515		01/22/07	W
13	of the watershed.	Potomac	68,122	8,515		01/22/07	X
1	Red Barn Trading Company - Client 239: credits generated						
1.4	by exporting poultry manure from Lancaster to a location	Cusaushanns	14.260	1.784		01/22/07	v
14	outside of the watershed.	Susquehanna	14,269	1,/84		01/22/07	X
1	Red Barn Trading Company - Client 289: credits generated						
1.5	by exporting poultry manure from Lancaster to a location		26.670	4.505		01/22/07	V 7
15	outside of the watershed.	Susquehanna	36,679	4,585		01/22/07	X
	Red Barn Trading Company - Client 429: credits generated						
	by exporting poultry manure from York to a location outside			2 0.55		04/00/5=	
16	of the watershed.	Susquehanna	22,860	2,857		01/22/07	X

_					т		
	Red Barn Trading Company - Client 303: credits generated						
	by exporting poultry manure from Adams to a location						
17	outside of the watershed.	Susquehanna	24,724	3,090		01/24/07	X
	Red Barn Trading Company - Client 54: credits generated by	1	, · - ·	- ,	†		-
	exporting poultry manure from Juniata to a location outside						
18	of the watershed.	Susquehanna	6,671	834		04/05/07	X
10	Red Barn Trading Company - Client 136: credits generated	Susquemania	5,571	051		0 17 0 27 0 7	
	by exporting poultry manure from Lancaster to a location						
19	outside of the watershed.	Susquehanna	7,699	962		04/05/07	X
	Red Barn Trading Company - Client 173: credits generated		.,	, , , ,			
	by exporting poultry manure from Snyder to a location						
20	outside of the watershed.	Susquehanna	15,621	1,953		04/05/07	X
20	Red Barn Trading Company - Client 221: credits generated	Sasquenama	13,021	1,200		01/05/07	21
	by exporting poultry manure from Lancaster to a location						
21	outside of the watershed.	Susquehanna	15,624	1,953		04/05/07	X
Ť	Red Barn Trading Company - Client 428: credits generated	1	- , > -	y	†		
	by exporting poultry manure from Lancaster to a location						
22	outside of the watershed.	Susquehanna	7,054	882		04/05/07	X
		Jasquemanna	.,001	502	†	3.705/07	-1
	Mount Joy Borough Authority: Continuous No-till with a three year contract in place for the generation of these credits.						
22		Cuaguahann-	11 710			04/05/07	2 210000
23	Implementation began in 2006.	Susquehanna	11,718		 	04/05/07	3 years
							Credits were only
		Susquehanna	1,491				certified for the
		1				-	compliance year in
	Berks County Conservation District: Cover crops planted on						which they were
24	ten tracts of land. The project was completed in 2006.	Susquehanna	360			06/14/07	generated.
F	range on piece in 2000.	3 1 2			†	22/1/07	D
	Chesapeake Nutrient Management- Dilick Farm: Poultry					07/07/07(n)	
	manure export from Adams County to a location outside of					and	Credits were only
25	the watershed. The project was completed in 2006.	Susquehanna	6,236	780		09/27/07(p)	certified for the
	Lititz Run Watershed Association: Stream restoration project;						compliance year in
	credits are non-transferable. The project was completed in						which they were
26	2005.	Susquehanna	1,381	68	129	08/14/07	generated.
							Credits were only
		Susquehanna	7,212				certified for the
							compliance year in
	Berks County Conservation District: Cover crops planted on						which they were
27	forty-four tracts of land. The project was completed in 2007.	Susquehanna	622			03/19/08	generated.
			-		+		8
	Bion Environmental Technologies: use of a proprietary						
	livestock waste treatment technology for a scrape dairy						
	operation located in Lancaster County. This project can						
28	generate credits for multiple years.	Susquehanna		This certification wa	as revised and re-issued.		
	Union County Conservation District: installation of field lane	S	70	2	22.222		
	stabilization project on 7 farms. This project can generate	Susquehanna	78	2	23,323		
29	credits for multiple years.	Susquehanna	68	0	12,141	07/03/08	X
	Lebanon County Conservation District: installed 2 mortality	Susquehanna	2	1			
	composters. This project can generate credits for multiple	Susquenamia	4	1	+	─ ┤	
		1	2	1		08/15/08	10 years
30	years.	Susquehanna	<u>Z</u>	1		00/13/00	
30	years. Dauphin County Conservation District: worked with 2	Susquehanna	2	1		06/13/08	
30	Dauphin County Conservation District: worked with 2	Susquehanna	2	1		06/13/06	,
30	Dauphin County Conservation District: worked with 2 landowners to installed stream bank fencing, planted a	Susquehanna	2	1		08/13/08	- , ,
30	Dauphin County Conservation District: worked with 2	Susquehanna Susquehanna	3,463	183		08/15/08	10 years

		Susquehanna	7,042			Credits were only
		Susquenama	7,042			certified for the
Chester County Conservat	tion District: worked with 8 land					compliance year in
owners to install cover cro	ops. The project was completed in					which they were
32 2007.		Susquehanna	32,935		08/15/08	generated.
Cumberland County Cons	ervation District: generated by the					
installation of animal was	te systems. This proposal will	Susquehanna	2,628	146		
33 generate credits for multip	ole years.	Susquehanna	3,886	217	10/08/08	09/30/11
						Credits were only
						certified for the
Mifflin County Conservat	ion District: credits generated by					compliance year in
the implementation of no-	till. The project was completed in					which they were
34 2007.		Susquehanna	1,419		11/13/08	generated.
Red Barn Trading Compa	ny - Client 153: credits generated	_				-
1	are from Juniata to location outside					
35 of the watershed.		Susquehanna	24,160	3,020	11/26/08	X
	ny - Client 164: credits generated	1	= -,	-,	11,20,00	
	are from Dauphin to location					
outside of the watershed.	are from Baupinii to location	Susquehanna	24,378	3,047	11/26/08	X
	ny - Client 369: credits generated	Susquenama	24,376	3,047	11/20/08	Λ
	are from Lancaster to location					
outside of the watershed.	ire from Lancaster to location	C	16.025	2.004	11/26/09	v
	Cli (201 li)	Susquehanna	16,035	2,004	11/26/08	X
	ny - Client 391: credits generated					
' ' ' ' '	are from Montour to location					
outside of the watershed.	Cli (444 li)	Susquehanna	25,217	3,152	11/26/08	X
	ny - Client 444: credits generated					
	are from Juniata to location outside					
39 of the watershed.	ny- Client 535: credits generated by	Susquehanna	7,162	895	11/26/08	X
	from Lancaster to location outside	G 1	120 701	17.240	11/26/00	v
40 of the watershed.		Susquehanna	138,781	17,348	11/26/08	X
	on District: Nitrogen credits					
, ,	ntation of grazing BMPs. This					
proposal will generate cre						
41 Implementation began in	2007-2008.	Susquehanna	11		12/19/08	09/30/13
						Credits were only
						certified for the
Language County Conser	ration District: Nitrogon aradita to					compliance year in
	vation District: Nitrogen credits to					
1	mentation of cover crops and no-	C	2.500		01/20/00	which they were
42 till. The project was comp	pietea in 2009.	Susquehanna	3,590	 	01/20/09	generated.
						Credits were only
						certified for the
Lancaster County Conserv	vation District: Nitrogen and					compliance year in
Phosphorus credits genera	ited by poultry manure export. The					which they were
43 project was completed in		Susquehanna	10,680	1,335	01/20/09	generated.
	il and Capital RC&D: Nitrogen	1	•	· · · · · · · · · · · · · · · · · · ·	,	<u> </u>
	n and Capital RC&D. Nitrogen nplementation of no-till in Bradford					
	•					
	l generate credits for multiple					
1 1	n credits were revised and re-	Cusans I		TL::	o marriand and malianus d	
44 certified.		Susquehanna		This certification wa	s revised and re-issued .	

	Chesapeake Nutrient Management LLC: credits to be						
	generated by exporting poultry manure from Lancaster to a						
45	location outside of the watershed.	Susquehanna	502,350	62.850		03/13/09	X
7.5	Chesapeake Nutrient Management LLC: credits to be	Busquenanna	302,330	02,030		03/13/07	A
	generated by exporting poultry manure from Lancaster to a						
46	location outside of the watershed.	Susquehanna	184,714	23,089		05/06/09	X
10	isolation outside of the watershed.	Busquenama	101,711	23,007		03/00/09	X Credits were only
							certified for the
	Lancaster County Conservation District: credits generated by						compliance year in
	exporting poultry manure from Lancaster to location outside						which they were
47	of the watershed.	Susquehanna	43,055	5,382		08/21/09	generated.
	AET Agriculture Consulting: Nitrogen credits are to be generated from off-stream watering with stream fencing						
	(pasture), precision grazing and stream restoration on						
	conventional till and pasture. This proposal will generate						
40		C	1.151			09/21/00	2
48	credits for multiple years.	Susquehanna	1,151			08/21/09	3 years
							certified for the
							compliance year in
	Lancaster County Conservation District: Nitrogen credits						which they were
49	generated by the implementation of no-till and cover crops.	Susquehanna	615			09/29/09	generated.
	Capital RC&D: Nitrogen credits generated by						
50	implementation of no-till in Bedford County.	Susquehanna		This certification was	s revised and re-issued.		
	PA Environmental Council and Capital RC&D: Nitrogen,	-					
	phosphorous credits and sediment reductions are generated by						
	implementation of no-till in Bradford County. This proposal						
51	will generate credits for multiple years. Lycoming County Conservation District: Nitrogen credits	Susquehanna	3,271	42	3	10/26/09	3rd growing season
	generated from the implementation of precision grazing, off-						
	stream watering, stream bank fencing, off-stream watering						
	without fencing, horse pasture management and a riparian						
	forest buffer by Client MucMoT0001. This proposal will		2.45			40.004.000	00/20/44
52	generate credits for multiple years.	Susquehanna	845			10/26/09	09/30/14
	American Francisco d'Empte Nitro con condito con contra la						
	American Farmland Trust: Nitrogen credits generated through the BMP Challenge for Planned Nutrient Reduction Project						
52	,	C	427			11/02/00	00/20/00
53	by Client PA09-004. The project was completed in 2009.	Susquehanna	437			11/03/09	09/30/09
							Credits were only
							certified for the
	American Farmland Trust: Nitrogen credits generated through						compliance year in
	the BMP Challenge for Planned Nutrient Reduction Project						which they were
54	by Client PA09-002. The project was completed in 2009.	Susquehanna	435			11/03/09	generated.
1							Credits were only
							certified for the
	American Farmland Trust: Nitrogen credits generated through						compliance year in
	the BMP Challenge for Planned Nutrient Reduction Project						which they were
55	by Client PA09-003. The project was completed in 2009.	Susquehanna	85			11/03/09	generated.
55	of Chem 17107-003. The project was completed in 2009.	Sasquenama	0.5			11/05/07	generated.

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	EnergyWorks BioPower, LLC: This certification describes a						
	process for the calculation of annual credits to be generated						
	through the operation of the Gettysburg Energy and Nutrient						
	Recovery Facility that, as described in the submission, will						
	process poultry manure from a farm in Adams County in an						
	enclosed facility to generate renewable energy, nutrient						
	reductions and an ash by-product that can be used for						
	fertilizer or for a feed supplement. This certification includes						
	a verification plan, and authorizes the generation of annual						
	credits. Note: The values listed may change when the facility	Susquehanna /					
56	is operational and credits are verified.	Potomac	1,051,570	53,853		02/12/10	09/30/15
30	Lycoming County Conservation District: This certification	FOIOIIIaC	1,031,370	33,833	<u> </u>	02/12/10	09/30/13
	describes a process for the calculation of annual credits to be						
	<u> </u>						
	generated by the export of poultry litter from the Chesapeake						
	Bay Watershed for Client WhCWaT000. This certification						
	includes a verification plan, and authorizes the generation of						
57	annual credits.	Susquehanna		This certification wa	s revised and re-issued .		
	Bion Environmental Technologies and Bion PA1, LLC: This						
	certification describes a process for the calculation of annual						
	credits that provides Bion with the flexibility to operate under						
	various scenarios which include: the operation of the						
	microaerobic biological reactor and combustion of the coarse						
	solids; and the operation of the microaerobic biological						
	reactor and the export all or a portion of the coarse solids out						
	of the Chesapeake Bay Watershed. With the certification,						
	Bion is authorized to develop and implement two studies to: 1-						
	demonstrate that there is a difference in the level of nitrogen						
	bioavailability occurring in the field as a result of the use of						
	the effluent (both liquid and fine solids) discharged from the						
	, ,						
	reactor compared to the manure currently used at the Kreider						
	Farm; and 2- demonstrate that there is a difference in the						
	level of denitrification occurring in the field as a result of the						
	use of the effluent (both liquid and fine solids) discharged						
	from the reactor compared to the manure currently used at the						
	Kreider Farm. Note: The values listed may change when the						
58	facility is operational and credits are verified. Cove Area Regional Digester ("CARD"): This certification	Susquehanna	106,289			04/02/10	09/30/22
	describes a process for the calculation of annual credits for						
	· · · · · · · · · · · · · · · · · · ·						
	CARD for the part of the operation of the Facility that, as						
	described, will process dairy manure from contracted						
	participants. The manure, and all other waste streams, will be						
	trucked to the regional digester and will be processed through						
	a two stage anaerobic digestion process to generate renewable						
	energy, nutrient reductions and a by-product that can be used						
	as a fuel source for co-generation. Note: The values listed						
	may change when the facility is operational and credits are						
59	verified.	Susquehanna	627,443	35,781		05/14/10	09/30/15
	Bellefonte Wastewater Treatment Plant: This certification						
	describes a process for the calculation of annual credits for						
	the treatment plant. This certification includes a verification						
	plan, and authorizes the generation of annual credits. Note:						
60	The values listed may change when the credits are verified.	Susquehanna	11,142	1,305		06/18/10	09/30/15

	Northwestern Lancaster County Authority: This certification						
	describes a process for the calculation of annual credits for						
	the treatment plant. This certification includes a verification						
	•						
C1	plan, and authorizes the generation of annual credits. Note:	0 1	10.220	424		06/19/10	00/20/15
61	The values listed may change when the credits are verified.	Susquehanna	10,330	434		06/18/10	09/30/15
	City of Lancaster Advanced Wastewater Treatment Plant:						
	This certification describes a process for the calculation of						
	annual credits for the treatment plant. This certification						
	includes a verification plan, and authorizes the generation of						
	annual credits. Note: The values listed may change when the						
62	credits are verified.	Susquehanna		This certification wa	s revised and re-issued.		
	ElectroCell: This certification is applicable to the operation						
	of the Patz® OZy™ unit on a farm located in Lancaster						
	County. This certification includes a verification plan, and						
	authorizes the generation of nitrogen and phosphorous						
	credits. Note: The values listed may change when the credits						
62	, ,	Cuaguahan:	2 129	462		09/12/10	00/20/15
63	are verified. Brubaker Farms: This certification describes a process for the	Susquehanna	3,138	462		08/13/10	09/30/15
	calculation of annual nitrogen credits to be generated by the						
	implementation of no-till and cover crops. This certification						
	includes a verification plan, and authorizes the generation of		0.400			00/08/40	00/20/45
64	nitrogen credits.	Susquehanna	8,432			09/03/10	09/30/15
	Capital RC&D: This certification describes a process for the						
	calculation of annual nitrogen credits to be generated by the						
	implementation of no-till in Bedford County. This						
	certification includes a verification plan, and authorizes the						
65	generation of nitrogen credits.	Susquehanna	16,944			09/08/10	09/30/15
	AET Agriculture Consulting- Allan Scott: Nitrogen credits						
	are to be generated from the manure management change and						
	the installed buffer. This certification includes a verification						
66	plan, and authorizes the generation of nitrogen credits.	Susquehanna	1,239			09/22/10	09/30/15
	Lycoming County Conservation District: Nitrogen credits to						
	be generated from the installed best management practices						
	(BMPs) that include riparian buffer, off-stream watering with						
	streambank fencing and rotation grazing for Client						
	MuCFrT0001. This certification includes a verification plan,						
67	and authorizes the generation of nitrogen credits.	Susquehanna	687			09/22/10	09/30/15
0,	and damorizes the generation of introgen credits.	Sasquenanna	557			07/22/10	07/30/13
	Lycoming County Conservation District: Nitrogen credits to						
	be generated from the installed best management practices						
	(BMPs) that include riparian buffer, off-stream watering with						
	streambank fencing and rotation grazing for Client						
	LaCCoT0001. This certification includes a verification plan,						
68		Susquehanna	2,142			09/22/10	09/30/15
00	and generation of managem electrics.	quonuma	-,			37,22,10	07/20/12

		1			T	1	
	Lycoming County Conservation District: Nitrogen credits to						
	be generated from the installed best management practices						
	(BMPs) that include riparian buffer, off-stream watering with						
	streambank fencing and rotation grazing for Client						
	LaCCoT0002. This certification includes a verification plan,						
69	and authorizes the generation of nitrogen credits.	Susquehanna	735			09/22/10	09/30/15
07	and authorizes the generation of introgen credits.	Susquenama	755			07/22/10	07/30/13
	Lycoming County Conservation District: Nitrogen credits to						
	be generated from the installed best management practices						
	(BMPs) that include riparian buffer, off-stream watering with						
	streambank fencing and rotation grazing for Client						
	LyCLyT0001. This certification includes a verification plan,					00/20/40	00/20/45
70	and authorizes the generation of nitrogen credits.	Susquehanna	589			09/22/10	09/30/15
	Elizabethtown Borough Wastewater Treatment Plant : This						
	certification describes a process for the calculation of annual		45,518 (2011 Compliance Year)	2,531 (2011 Compliance Year)			
	credits for the treatment plant. This certification includes a		45,040 (2012 Compliance Year)	2,499 (2012 Compliance Year)			
	verification plan, and authorizes the generation of annual		44,646 (2013 Compliance Year)	2,473 (2013 Compliance Year)			
	credits. Note: The values listed may change when the credits		44,264 (2014 Compliance Year)	2,447 (2014 Compliance Year)			
71	are verified.	Susquehanna	43,494 (2015 Compliance Year)	2,395 (2015 Compliance Year)		10/13/2010	9/30/2015
	American Farmland Trust: Nutrient reductions generated	1	, ., . (==============================	_,e,e (
	from the nitrogen reduction practice shall be available for the						
	generation of nutrient reduction credits. This practice will be						
	completed by Client PA10-008B. This certification includes						
	a verification plan, and authorizes the generation of nitrogen						
	credits. Note: The values listed may change when the credits						
72	are verified.	Susquehanna	272			10/13/2010	9/30/2015
-	American Farmland Trust: Nutrient reductions generated	1					2,00,000
	from the nitrogen reduction practice shall be available for the						
	generation of nutrient reduction credits. This practice will be						
	completed by Client PA10-014. This certification includes a						
	verification plan, and authorizes the generation of nitrogen						
	credits. Note: The values listed may change when the credits						
73	are verified.	Susquehanna	1151			10/13/2010	9/30/2015
7.5	American Farmland Trust: Nutrient reductions generated	Sasquenanna	1101			13,13,2010	7,55,2015
	from the nitrogen reduction practice shall be available for the						
	generation of nutrient reduction credits. This practice will be						
	completed by Client PA10-016. This certification includes a						
	verification plan, and authorizes the generation of nitrogen						
	credits. Note: The values listed may change when the credits						
74	are verified.	Susquehanna	1185			10/13/2010	9/30/2015
,-	American Farmland Trust: Nutrient reductions generated	Susquenanna	1100			15/15/2010	7/30/2013
	from the nitrogen reduction practice shall be available for the						
	generation of nutrient reduction credits. This practice will be						
	completed by Client PA10-017. This certification includes a						
	verification plan, and authorizes the generation of nitrogen						
	credits. Note: The values listed may change when the credits						
75	are verified.	Susanahanna	937			10/13/2010	9/30/2015
75	are vermed.	Susquehanna	937		1	10/15/2010	7/30/2013

	American Farmland Trust: Nutrient reductions generated				T		1
	<u> </u>						
	from the nitrogen reduction practice shall be available for the						
	generation of nutrient reduction credits. This practice will be						
	completed by Client PA10-018. This certification includes a						
	verification plan, and authorizes the generation of nitrogen						
	credits. Note: The values listed may change when the credits						
76	are verified.	Susquehanna	545		1	0/13/2010	9/30/2015
	Berwick Area Joint Sewer Authority: This certification						
	describes a process for the calculation of annual credits for						
	the treatment plant. This certification includes a verification						
	plan, and authorizes the generation of annual credits. Note:						
77	The values listed may change when the credits are verified.	Susquehanna	33,600	690	1	/10/2011	9/30/2015
	Lycoming County Conservation District: Nitrogen credits to						
	, , ,						
	be generated from the installed best management practices						
	(BMPs) that include precision grazing, off-stream watering						
1	with streambank fencing, no-till, and riparian buffer for						
	Client AdCCIT0001. This certification includes a verification						
78	plan, and authorizes the generation of nitrogen credits.	Susquehanna	456		1	/11/2011	9/30/2015
	Lycoming County Conservation District: Nitrogen credits to						
	be generated from the installed best management practices						
	(BMPs) that include precision grazing, off-stream watering						
	with streambank fencing and rotational grazing and riparian						
	buffer for Client MuCJoT0001. This certification includes a						
	verification plan, and authorizes the generation of nitrogen						
79	credits.	Susquehanna	587		1	/11/2011	9/30/2015
	Lycoming County Conservation District: Nitrogen credits to						
	be generated from the installed riparian buffer for Client						
	MuCMuT0001. This certification includes a verification plan,						
80	and authorizes the generation of nitrogen credits. City of Lancaster Advanced Wastewater Treatment Plant:	Susquehanna	39		1	/11/2011	9/30/2015
	This certification describes a process for the calculation of		138,939 (2010 Compliance Year)	10,350 (2010 Compliance Year)			
	annual credits for the treatment plant. This certification		130,148 (2011 Compliance Year)	9,858 (2011 Compliance Year)			
	includes a verification plan, and authorizes the generation of		127,894 (2012 Compliance Year)	9,731 (2012 Compliance Year)			
	annual credits. Note: The values listed may change when the		125,063 (2013 Compliance Year)	9,573 (2012 Compliance Year)			
	, ,						
01	credits are verified. This certification replaces the previous	Cuamahan:	121,580 (2014 Compliance Year) 118,544 (2015 Compliance Year)	9,378 (2014 Compliance Year)		/16/2011	0/20/2015
81	certification that was provided on June 18, 2010. Pennsylvania Environmental Council and Capital RC&D-	Susquehanna	110,344 (2013 Comphance Year)	9,208 (2015 Compliance Year)	3	3/16/2011	9/30/2015
1	Pollutant credits to be generated from the installation of Best						
1	Management Practices (BMPs) that include Continuous No-						
	, ,						
1	Till, Conservation Till and Cereal Cover Crops. This practice						
1	will be completed Farm A-J through the Bradford County						
	Park the Plow Program. This certification includes a						
	verification plan, and authorizes the generation of nitrogen						
82	and phosphorous credits. Pennsylvania Environmental Council and Capital RC&D-	Susquehanna	1,336	16	3	5/21/2011	9/30/2015
1							
1	Pollutant credits to be generated from the installation of Best						
1	Management Practices (BMPs) that include Continuous No-						
	Till, Conservation Till and Cereal Cover Crops. This practice						
	will be completed Farm A-R through the Bradford County						
	Park the Plow Program. This certification includes a						
	verification plan, and authorizes the generation of nitrogen						
83	and phosphorous credits.	Susquehanna	70	5	I 3	3/21/2011	9/30/2015

	Pennsylvania Environmental Council and Capital RC&D-					
	Pollutant credits to be generated from the installation of Best					
	Management Practices (BMPs) that include Continuous No-					
	Till, Conservation Till and Cereal Cover Crops. This practice					
	will be completed Farm B through the Bradford County Park					
	the Plow Program. This certification includes a verification					
84	plan, and authorizes the generation of nitrogen credits.	Susquehanna	266		3/21/2011	9/30/2015
04	pian, and authorizes the generation of introgen credits.	Susquenanna	200		3/21/2011	9/30/2013
	Pennsylvania Environmental Council and Capital RC&D-					
	Pollutant credits to be generated from the installation of Best					
	Management Practices (BMPs) that include Continuous No-					
	Till, Conservation Till and Cereal Cover Crops. This practice					
	will be completed Farm C through the Bradford County Park					
	the Plow Program. This certification includes a verification					
85	plan, and authorizes the generation of nitrogen credits.	Susquehanna	426		3/21/2011	9/30/2015
		1				
	Pennsylvania Environmental Council and Capital RC&D-					
	Pollutant credits to be generated from the installation of Best					
	Management Practices (BMPs) that include Continuous No-					
	Till, Conservation Till and Cereal Cover Crops. This practice					
	will be completed Farm D through the Bradford County Park					
	the Plow Program. This certification includes a verification					
86	plan, and authorizes the generation of nitrogen credits.	Susquehanna	1,107		3/21/2011	9/30/2015
	Bion Environmental Technologies and Bion PA1, LLC: The					
	certification certifies the pollutant reduction activity pursuant					
	to which nutrient reduction credits may be generated from the					
	operation of the Bion Combustion Facility that, as described					
	in the certification request, will process poultry manure from					
	Kreider Farms to reduce nutrients while producing residual					
	ash that will be land-filled or beneficially used for its nutrient					
	content. The Bion Combustion Facility will be designed to					
	accept other biomass sources, such as the cellulosic coarse					
	solids produced by the Kreider Dairy Bion Environmental					
	Management System (BEMS) .The certification outlined that					
	no nutrient credits can be generated until Bion provides the					
	final location of the Facility, Bion receives final Department					
	approval of all required permits needed for the construction					
	and operation of the Facility, and the applicable Nutrient					
	Management Plans for the Kreider Farms are modified to					
	reflect the processing of the manure. This certification					
	includes a verification plan. Note: The values listed may					
	change when the facility is operational and credits are					
87	verified.	Susquehanna	559,457		5/24/2011	9/30/2022
	Lycoming County Conservation District: Nitrogen credits to					
	be generated from the installed best management practices					
	(BMPs) that include off-stream watering, streambank fencing					
	on the 4 acres of pasture and the riparian buffer installed on					
	the remaining 13.9 acres for Client PiCJaT0001. This					
	certification includes a verification plan, and authorizes the					
88	generation of nitrogen credits.	Susquehanna	95		6/2/2011	9/30/2015

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	Wyoming Valley Sanitary Authority: The certification is					
	applicable to the nutrient reductions generated from the					
	treatment of nitrogen and phosphorous. This approval					
	includes a verification plan, and authorizes the generation					
	nutrient reduction credits. Note: The values listed may		400 7 10			
89	change when the credits are verified.	Susquehanna	198,562	17,576	6/28/2011	9/30/2015
	Red Barn Trading Company: The certification is applicable to the nutrient reductions generated from the export of 240 tons					
	of poultry manure from Cherry Crest Farms. This approval					
	includes a verification plan, and authorizes the generation of					
	nutrient credits. Note: The values listed may change when					
90	the credits are verified.	Susquehanna	2,054	47	7/1/2011	9/30/2015
	Red Barn Trading Company: The certification is applicable to	•	,			
	the nutrient reductions generated from the export of 361 tons					
	of poultry manure from Todd Rohrer's Farm. This approval					
	includes a verification plan, and authorizes the generation of					
	nutrient credits. Note: The values listed may change when the					
91	credits are verified.	Susquehanna	3,131	19	7/1/2011	9/30/2015
	Red Barn Trading Company: The certification is applicable to					
	the nutrient reductions generated from the export of 210 tons					
	of poultry manure from Earl Ray Zimmerman's Farm. This					
	approval includes a verification plan, and authorizes the					
	generation of nutrient credits. Note: The values listed may					
92	change when the credits are verified.	Susquehanna	1,332	33	7/1/2011	9/30/2015
	Red Barn Trading Company: The certification is applicable to					
	the nutrient reductions generated from the export of 389 tons					
	of poultry manure from Mark Rohrer's Farm. This approval					
	includes a verification plan, and authorizes the generation of					
0.2	nutrient credits. Note: The values listed may change when the	g ,	2 274	26	7/1/2011	0/20/2015
93	credits are verified. Red Barn Trading Company: The certification is applicable to	Susquehanna	3,374	20	7/1/2011	9/30/2015
	the nutrient reductions generated from the export of 623 tons					
	of poultry manure from John Harnish's Farm. This approval					
	includes a verification plan, and authorizes the generation of					
	nutrient credits. Note: The values listed may change when the					
94	credits are verified.	Susquehanna	3,195	16	7/1/2011	9/30/2015
1	The second of The control of the second of t					
	TeamAg: This certification is applicable to the nitrogen credits to be generated from the pollutant reduction activity					
	of continuous no-till, cereal cover crops and a riparian forest					
	buffer on land owned by Lancaster Area Sewer Authority.					
	This approval includes a verification plan and authorizes the					
	generation of nitrogen reduction credits. Note: The values					
95	listed may change when the credits are verified.	Susquehanna	2,960		9/12/2011	9/30/2016
	University Area Joint Authority: This certification is					
	applicable to the phosphorus credits to be generated from the					
	pollutant reduction activity of the University Area Joint					
	Authority's installed treatment process. This approval					
	includes a verification plan and authorizes the generation of					
	phosphorus reduction credits. Note: The values listed may					
96	change when the credits are verified.	Susquehanna		7,500	10/14/2011	9/30/2013

	Lycoming County Conservation District: This certification	1			T		1
	describes a process for the calculation of annual credits to be						
	generated by the export of poultry litter from the Chesapeake						
	Bay Watershed for Client WhCWaT000. This certification						
	includes a verification plan, and authorizes the generation of						
97	annual credits.	Susquehanna	12,524	682		10/17/2011	9/30/2015
91	annual credits.	Susquenanna	12,324	082		10/17/2011	9/30/2013
	Lancaster Area Sewer Authority: This certification is						
	applicable to nitrogen and phosphorous credits to be		13,726 (2011 Compliance Year)	7,524 (2011 Compliance Year)			
	generated from the pollutant reduction activity of the		10,721 (2012 Compliance Year)	7,424 (2011 Compliance Year)			
	Lancaster Area Sewer Authority's installed treatment process.		7,550 (2013 Compliance Year)	7,320 (2013 Compliance Year)			
	This certification includes a verification plan, and authorizes						
98	the generation of nitrogen and phosphorus credits.	C	5,013 (2014 Compliance Year)	7,236 (2014 Compliance Year)		11/2/2011	0/20/2015
98	, ,	Susquehanna	2,549 (2015 Compliance Year).	7,154 (2015 Compliance Year)		11/3/2011	9/30/2015
	C.S. Davidson, Inc. on behalf of Northeastern York County						
	Sewer Authority: This certification is applicable to nitrogen		21,000 (2011 G . 1;	050/2011 G - 1' - W - \			
1	and phosphorous credits to be generated from the pollutant		31,000 (2011 Compliance Year)	950(2011 Compliance Year)			
1	reduction activity of the Northeastern York County Sewer		31,000 (2012 Compliance Year)	950(2012 Compliance Year)			
	Authority's installed treatment process. This certification		30,500 (2013 Compliance Year)	925(2014 Compliance Year)			
	includes a verification plan, and authorizes the generation of		30,500 (2014 Compliance Year)	925(2014 Compliance Year)			0.00.00.45
99	nitrogen and phosphorus credits.	Susquehanna	30,300 (2015 Compliance Year)	900(2015 Compliance Year)		11/3/2011	9/30/2015
	Lycoming County Conservation District. This certification is						
	applicable to nitrogen reduction credits to be generated by						
	Client GrLoT0001 from the pollutant reduction activities of						
	61.7 acres of precision grazing, 18 acres of continuous no-till						
	and the installed off-stream watering with fencing on 17.4						
	acres of pasture. This approval includes a verification plan,						
100	and authorizes the generation of nitrogen reduction credits.	Susquehanna	289			11/15/2011	9/30/2016
		1					
	Red Barn Trading Company. This certification is applicable						
	to nitrogen reduction credits to be generated by Daniel						
	Smucker from the pollutant reduction activities of 28.5 acres						
	of continuous no-till and cover crops. This approval includes						
	a verification plan, and authorizes the generation of nitrogen						
101	reduction credits and phosphorus reduction credits.	Susquehanna	851	5		11/15/2011	9/30/2016
	CET Engineering Services on behalf of the Borough of	1					
	Tyrone. This certification is applicable to nitrogen reduction						
	credits to be generated from the pollutant reduction activity						
	of the Borough of Tyrone Wastewater Treatment Facility's						
	installed treatment process. This approval includes a						
	verification plan, and authorizes the generation of nitrogen						
102	reduction credits.	Susquehanna	48,260			11/15/2011	9/30/2016
	Herbert Rowland & Grubic Inc. on behalf of Kelly Township						
	Municipal Authority. This certification is applicable to						
	nitrogen reduction credits to be generated from the pollutant						
	reduction activity of Kelly Township Municipal Authority's						
	installed treatment process. This approval includes a						
	verification plan, and authorizes the generation of nitrogen						
103	reduction credits.	Susquehanna	38,300			11/15/2011	9/30/2016

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104	Buchart Horn Inc. on behalf of East Berlin Area Joint Authority. This certification is applicable to nitrogen and phosphorus reduction credits to be generated from the pollutant reduction activity of East Berlin Area Joint Authority's installed treatment process. This approval includes a verification plan, and authorizes the generation of nitrogen and phosphorus reduction credits.	Susquehanna	2,571	170	11/22/2011	9/30/2011
105	Mercuria Energy America, Inc. on behalf of Granville Township. This certification is applicable to nutrient reduction credits to be generated from the pollutant reduction activity of Granville Township's installed treatment process. This approval includes a verification plan, and authorizes the generation of nitrogen and phosphorus reduction credits.	Susquehanna	7,300	600	1/6/2012	9/30/2016
106	TeamAg Incorporated on behalf of Jeffrey Balmer and in coordination with Lancaster Farmland Trust. This certification is applicable to nutrient reduction credits to be generated from the pollutant reduction activity of continuous no-till and cover crops. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits.	Susquehanna	1,715		2/10/2012	9/30/2016
107	TeamAg Incorporated on behalf of Oregon Dairy Farm and in coordination with Lancaster Farmland Trust. This certification is applicable to nutrient reduction credits to be generated from the pollutant reduction activity of continuous no-till and cover crops. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits.	Susquehanna	922		2/21/2012	9/30/2016
108	TeamAg Incorporated on behalf of Joe Esh Farm and in coordination with Lancaster Farmland Trust. This certification is applicable to nutrient reduction credits to be generated from the pollutant reduction activity of continuous no-till and cover crops. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits.	Susquehanna	686		3/12/2012	9/30/2016
109	Lycoming County Conservation District. This certification is applicable to nitrogen reduction credits to be generated by Client LyCHeT0001 from the pollutant reduction activities of 17.5 acres of Off-Stream Watering with Stream Fencing (pasture) and 2.66 acres of Riparian Forest Buffer. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits.	Susquehanna	1,385		4/17/2012	9/30/2016

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110	Entech Engineering on behalf of Butler Township Wastewater Department. This certification is applicable to nitrogen reduction credits to be generated from the pollutant reduction activity of Butler Township's installed treatment process. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits.	Susquehanna	19,294 (2012 Compliance Year) 18,828 (2013 Compliance Year) 18,185 (2014 Compliance Year) 17,740 (2015 Compliance Year) 16,678 (2016 Compliance Year).		4/23/2012	9/30/2016
111	Lennon, Smith, Souleret Engineering, Inc. on behalf of Martinsburg Municipal Authority. This certification is applicable to nitrogen and phosphorous reduction credits to be generated from the pollutant reduction activity of Martinsburg's installed treatment process. This approval includes a verification plan, and authorizes the generation of nitrogen and phosphorous reduction credits.	Susquehanna	2,300 (2012 Compliance Year) 2,191 (2013 Compliance Year) 2,083 (2014 Compliance Year) 1,975 (2015 Compliance Year) 1,866 (2016 Compliance Year).	126 (2012 Compliance Year) 117 (2013 Compliance Year) 107 (2014 Compliance Year) 98 (2015 Compliance Year) 88 (2016 Compliance Year).	4/30/2012	9/30/2016
112	Red Barn Trading Company. This certification is applicable to nitrogen and phosphorous reduction credits to be generated by the Dennis Eby Farm from the pollutant reduction activities of 14.8 acres of continuous no-till and cover crops on corn fields and 10.7 acres of continuous no-till on wheat. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits and phosphorus reduction credits.	Susquehanna	78	4	5/23/2012	9/30/2016
113	Red Barn Trading Company. This certification is applicable to nitrogen and phosphorous reduction credits to be generated by the Jay Hess Farm from the pollutant reduction activities of 26 acres of continuous no-till and cover crops on corn fields. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits and phosphorus reduction credits.	Susquehanna	513	4	5/23/2012	9/30/2016
114	Red Barn Trading Company. This certification is applicable to nitrogen reduction credits to be generated by the Daniel B. Petersheim Farm from the pollutant reduction activities of 35 acres of continuous no-till and cover crops on corn fields. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits and phosphorus reduction credits.	Susquehanna	491		5/23/2012	9/30/2016
115	Red Barn Trading Company. This certification is applicable to nitrogen reduction credits to be generated by the Gerald Zimmerman Farm from the pollutant reduction activities of 75 acres of continuous no-till and cover crops on corn fields. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits and phosphorus reduction credits.	Susquehanna	1,581		5/23/2012	9/30/2016

The Department provided conditional pre-approval to ElectroCell Technologies, Inc., for calculating credits on January 14, 2009. This methodology was revised on August 13, 2010.

X = These certifications did not contain a timeframe and Section 96.8(e)(9)(iv) of the Nutrient trading regulation states "By April 13, 2015, the recipient of a certification issued prior to October 9, 2010, shall submit a request for renewal of the certification." Pollutant reduction activities that expire under this provision will not be eligible for credit generation in compliance years 2016 and beyond unless and until they are recertified.