

Nonpoint Data Management System - NDMS

15th Annual International Emissions Inventory Conference

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NDMS

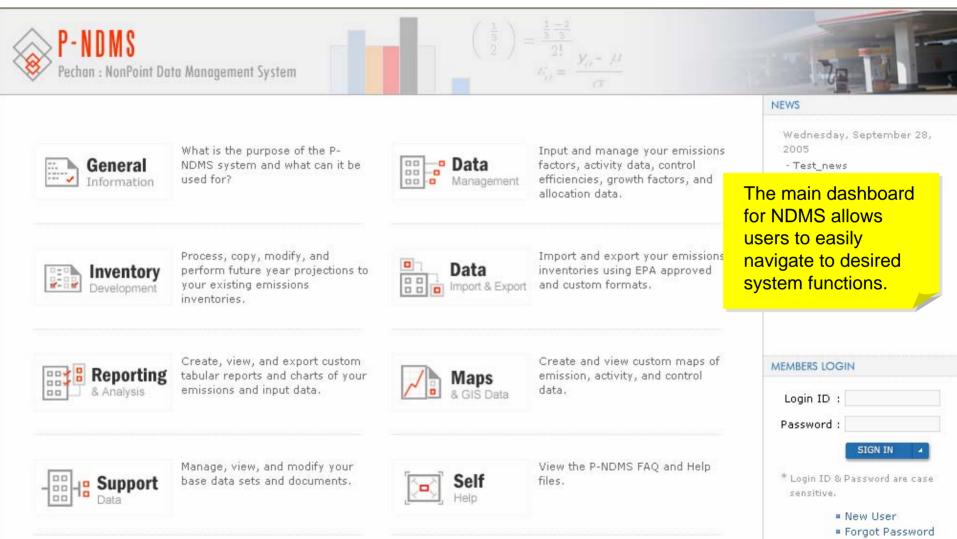
- Web-Based System for Developing NonPoint Inventories
 - ASP.NET
 - Microsoft SQL-Server
- User System Requirements
 - Internet Connection
 - Web Browser
 - Adobe SVG-Viewer plug-in (free)
- Hosting Options
 - Pechan-hosted
 - Self-hosted

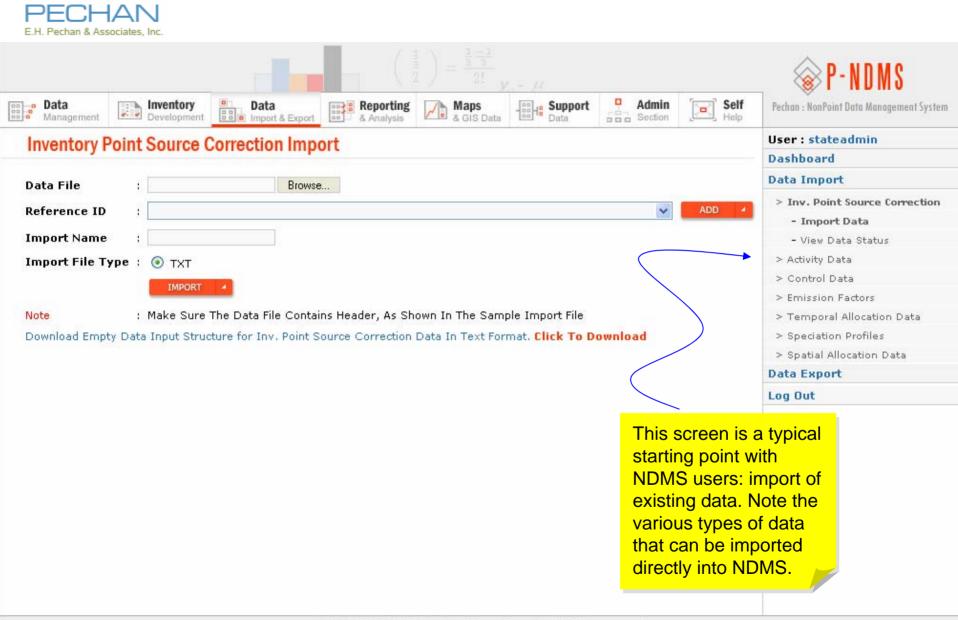


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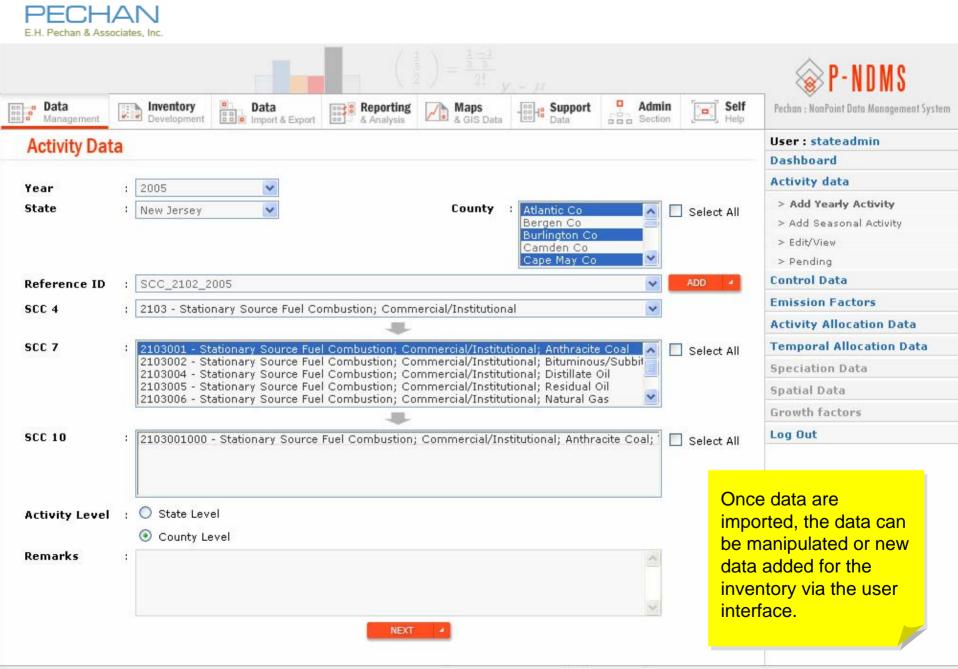
- Facilitates building nonpoint emission inventories compliant with EPA requirements
- Bridges the data gap between EI developers and modelers
- Reduces QA issues commonly encountered in nonpoint Els
- Centralizes storage of data
- Maintains historical data sets



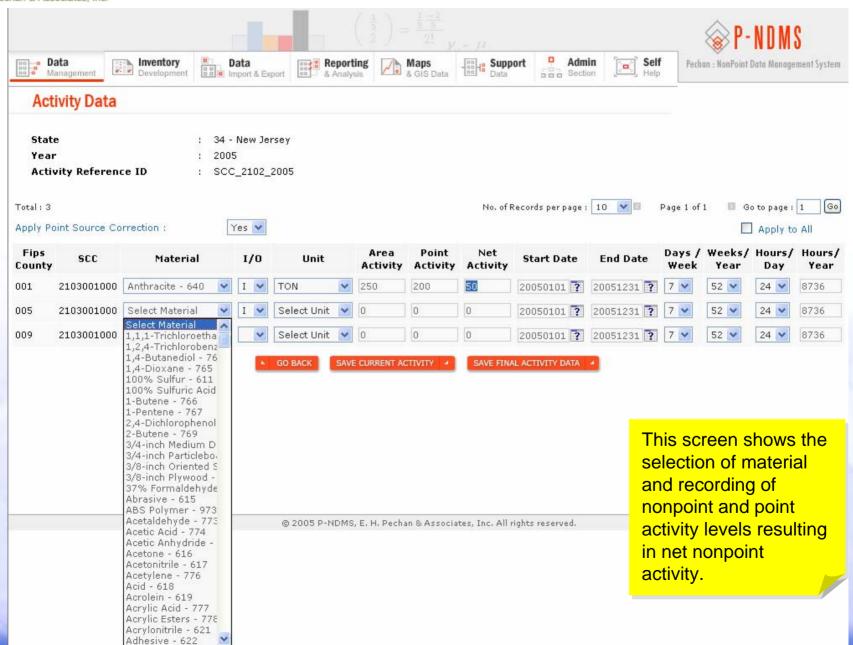




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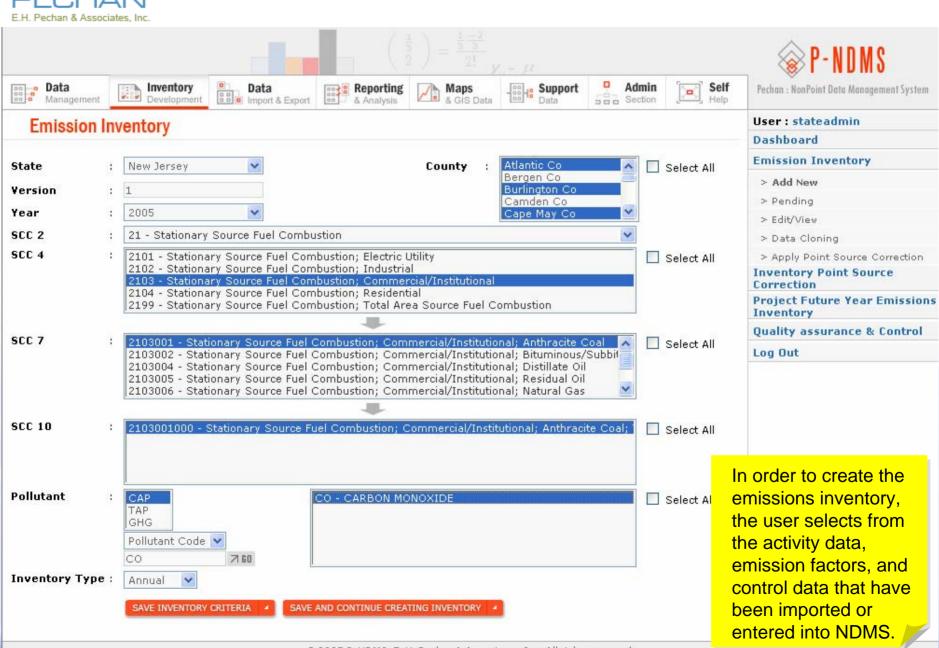
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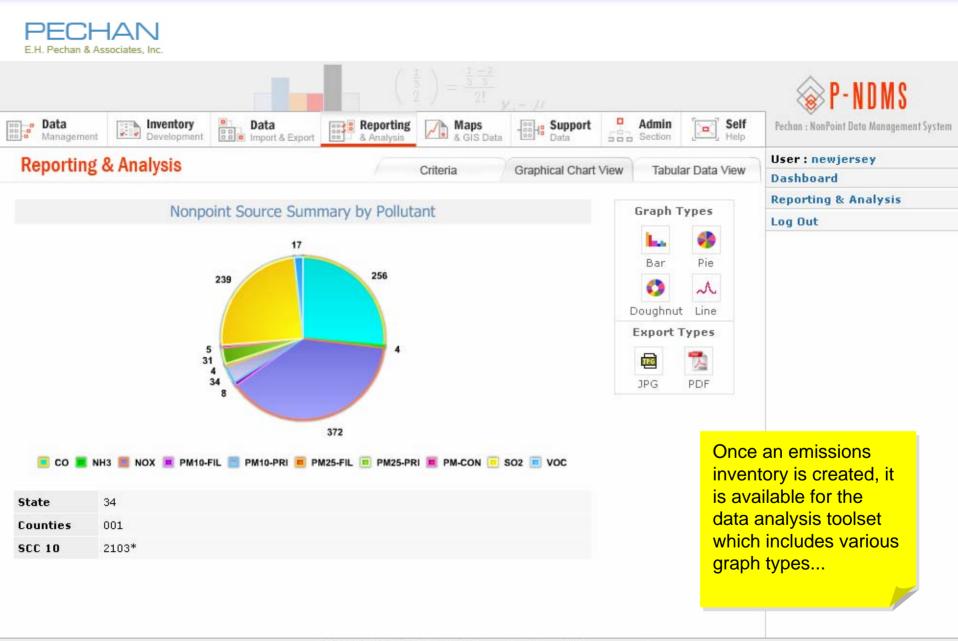


NDMS Data Import/Input

- Similar Screens provided for:
 - Emission Factors
 - Control Data
- User can review/modify:
 - Temporal profiles (monthly, weekly, diurnal);
 - Speciation profiles (PM and VOC);
 - Spatial surrogates.

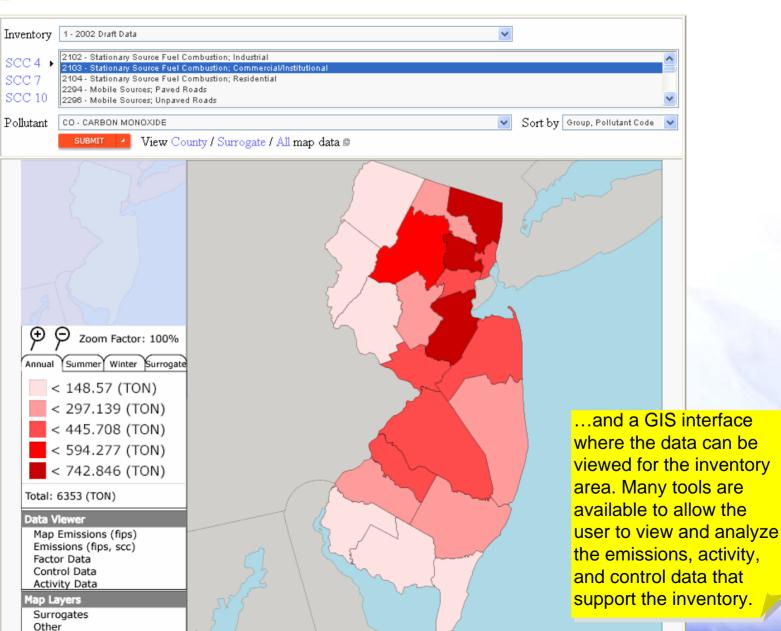


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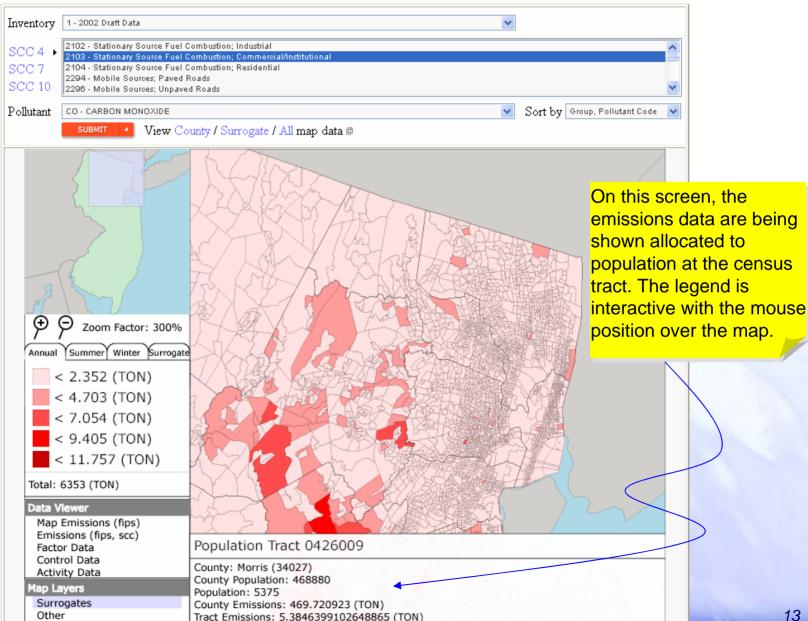
		$\begin{pmatrix} \frac{1}{3} \\ \frac{1}{2} \end{pmatrix} = \frac{\frac{4}{3} + \frac{1}{3}}{2l}_{y_1 - \mu}$	
Data Manage	ement Develo		
Report	Tabular Data View		
		8	Dashboard
			EXPORT Reporting & Analysis
			Log Out
State	County	SCC Pollutant Emi	issions Units
34 New Jersey	001 Atlantic Co	2104008000 Stationary Source Fuel Combustion; Residential; Wood; CO 949 Total: Woodstoves and Fireplaces	90.7000 TON
34 New Jersey	037 Sussex Co	2104008000 Stationary Source Fuel Combustion; Residential; Wood; CO 855 Total: Woodstoves and Fireplaces	51.4000 TON
34 New Jersey	005 Burlington Co	2104008000 Stationary Source Fuel Combustion; Residential; Wood; CO 704 Total: Woodstoves and Fireplaces	47.9000 TON
34 New Jersey	027 Morris Co	2104008000 Stationary Source Fuel Combustion; Residential; Wood; CO 704 Total: Woodstoves and Fireplaces	47.9000 TON
34 New Jersey	029 Ocean Co	2104008000 Stationary Source Fuel Combustion; Residential; Wood; CO 535 Total: Woodstoves and Fireplaces	56.1000 TON
34 New Jersey	041 Warren Co	2104008000 Stationary Source Fuel Combustion; Residential; Wood; CO 487 Total: Woodstoves and Fireplaces	70.7000 TON
34 New Jersey	015 Gloucester Co	2104008000 Stationary Source Fuel Combustion; Residential; Wood; CO 401 Total: Woodstoves and Fireplaces	10.9000 TON
34 New Jersey	025 Monmouth Co	2104008000 Stationary Source Fuel Combustion; Residential; Wood; CO 397 Total: Woodstoves and Fireplaces	77.9000 томpre-formatted report
34 New Jersey	009 Cape May Co	2104008000 Stationary Source Fuel Combustion; Residential; Wood; CO 385 Total: Woodstoves and Fireplaces	50.7000 TON
34 New Jersey	019 Hunterdon Co	2104008000 Stationary Source Fuel Combustion; Residential; Wood; CO 351 Total: Woodstoves and Fireplaces	10.7000 TON

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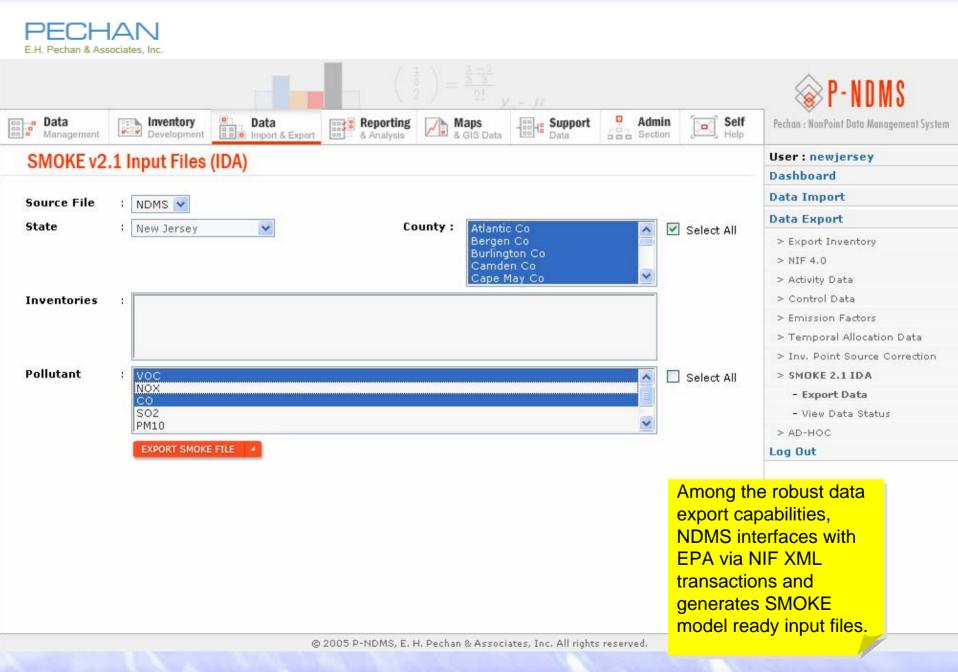




Population Surrogates Data

County Fips	Tract	Population	-	Summer		Housing	Housing Annual Emissions	Housing Summer Emissions	Housing Winter Emissions	Urban Pc
34001	0000000	0	0	0	0	0	0	0	0	0
34001	0001001	1073	467	1016	0	1.0815255101208678	3.52033757681666	11.497585277413717	1.0444025062132682	3.399503
34001	0001002	1193	490	1166	0	1.2024789688482717	3.9140379581941054	12.783428924468374	1.095839888746256	3.566930
34001	0002001	1323	720	1271	0	1.3335118824696257	4.340546704686338	14.176426208777584	1.6102137140761312	5.241204
34001	0002002	1061	528	1099	0	1.0694301642481274	3.4809675386789145	11.36900091270825	1.180823390322496	3.843549
34001	0002003	846	717	860	0	0.8527218840281959	2.7755876887109916	9.065197711735326	1.6035044902674806	5.219365
34001	0003001	861	336	984	0	0.8678410663691214	2.8248002363831723	9.225928167617157	0.7514330665688611	2.445895
34001	0003002	1563	577	1534	0	1.575418799924433	5.127947467441229	16.748113502886895	1.2904073791971215	4.200242
34001	0003003	1000	487	990	0	1.0079454893950306	3.280836511478713	10.715363725455466	1.0891306649376053	3.545092
34001	0004001	1432	963	1647	0	1.443377940813684	4.698157884437518	15.34440085485223	2.153660842576825	7.010110
34001	0004002	1668	1541	1453	0	1.6812530763109112	5.472435301146494	17.87322669405972	3.446304629710164	11.21763
34001	0005001	832	306	757	0	0.8386106471766654	2.7296559775502893	8.915182619578947	0.6843408284823558	2.227511
34001	0005002	2109	743	2184	0	2.1257570371341194	6.919284202708607	22.59870209698558	1.6616510966091184	5.408631
34001	0011001	1081	593	1071	0	1.0895890740360281	3.5465842689084894	11.58330818721736	1.3261899061765913	4.316713
34001	0011002	808	431	797	0	0.8144199554311848	2.6509159012748005	8.658013890168018	0.9638918205094618	3.137442
34001	0012001	1069	482	892	0	1.077493728163288	3.507214230770745	11.454723822511896	1.0779486252565211	3.508694
34001	0012002	952	457	1007	0	0.9595641059040691	3.1233563589277353	10.201026266633604	1.0220384268510998	3.326708
34001	0012003	1187	427	1330	0	1.1964312959119012	3.8943529391252327	12.719136742115639		
34001	0013001	667	290	649	0	0.6722996414264855	2.188317953156302	7.147147604878797	_inks on the GIS	module
34001	0013002	1445	598	1511	0	1.4564812321758193	4.740808759086741	15.483700583283152	orovide instant ac	cess to
34001	0014001	1490	453	1482	0	1.5018387791985956	4.888446402103283	15.965891950928647	he underlying dat	ta to be
34001	0014002	988	486	1012	0	0.9958501435222903	3.241466473340969		viewed on the scr	
34001	0014003	1553	750	1489	0	1.5653393450304826	5.095139102326442	116 640959865632343		Cerror
34001	0015001	946	583	917	0	0.9535164329676991	3.103671339858863	10.150754064260672	downloaded to a	
34001	0015002	1011	447	1003	0	1.019032889778376	3.3169257131049794	10.833232726435477	workstation.	
34001	0019001	2047	1099	2084	0	2.0632644167916276	6.715872338996927	21.93434954600734		1
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NDMS Availability

- Available Now
 - Implementation approximately 30 days
- Licensing
 - -1, 3 or 5 year license terms
- Contacts
 - Manish Salhotra (Eastern U.S.) at 703-813-6700, ext
 173
 - Stephen Roe (Western U.S.) at 916-708-1893
 - Randy Strait (Eastern U.S.) at 919-493-3144, ext. 118