Appendix F
Data from the New York City Composting Trials

NMS is the code name that the laboratory assigned to the New York City MSW (residential and institutional waste collected by the Department of Sanitation) as it moved through the Marlborough facility during the NYC Composting Trials.

WERL stands for the Woods End Research Lab, the location of all compost testing, as well as the extended, monitored curing of the compost produced during the NYC Composting Trials.

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Old Rome Road, P.O. Box 297
Mount Vernon, ME 04352/USA
207-293-2457 FAX: 207-293-2488 www.woodsend.org

Account: 556
· Robert LaValva
· Bur. of Waste Prev. Reuse and Recycling
· 44 Beaver Street-6th floor
· New York NY 10004

Code: Cc402 502 M Project: 605
Date Received : 03/02/2001
Date Reported : 03/30/2001
Lab ID Number : 4854.0
Quality Checked : WD 3/30/01

COMPOSITION ANALYSIS

Sample Identification: NYC Trials Biosolids Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	$lbs{\cdot}ft^3$	-	63	1702 lbs/yd^3
Solids	%	100.0	14.7	294 lbs/ton
Moisture	%	0.0	85.3	205 gals/ton
est. water holding capacity	%	241.0	70.7	169 gals/ton
pH (1:1 H_2O)	$-\log H^+$	~	6.06	V Low
Free Carbonates	Rating	~	1	None
Organic Matter	%	78.6	11.5	231 lbs/ton
Conductivity	$mmhos{\cdot}cm^{-1}$	~	5.2	Medium
Carbon:Nitrogen (C:N) Ratio	w:w	8.2	8.2	V. Low
Solvita CO_2 Rate	(see chart)	~	1	Ex. High
Solvita NH_3 Rate	(see chart)	~	4	Slight
Maturity Index	(see chart)	~	1	Raw Waste!

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Date Received : 03/02/2001
Date Reported : 03/30/2001
Lab ID Number : 4854.0

MINERALS ANALYSIS

Sample Identification: NYC Trials Biosolids, Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	5.142	0.756	15.1
Organic-Nitrogen	%	4.306	0.633	12.7
Phosphorus (P)	%	2.048	0.301	6.0
Potassium (K)	%	0.200	0.029	0.6
Sodium (Na)	%	0.149	0.022	0.4
Calcium (Ca)	%	1.080	0.159	3.2
Magnesium (Mg)	%	0.177	0.026	0.5
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	8352	1228	2.5
Nitrate-N	ppm	3	0	0.0
Nitrite-N	ppm	3	0	-
Chloride (Cl)	ppm	2277	335	0.67
Sulfate (SO_4-S)	ppm	<4	< 1	

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Code: Cc402 502 M-Project: 605

Date Received : 03/02/2001
Date Reported : 03/30/2001
Lab ID Number : 4854.0

METALS ANALYSIS

Sample Identification: NYC Trials Biosolids Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	192.0	28.2	<0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	1920.0	282.2	0.6
Iron (Fe)	$mg \cdot kg^{-1}$	8400.0	1234.8	2.5
Zinc (Zn)	$mg \cdot kg^{-1}$	328.0	48.2	<0.1
Lead (Pb)	$mg \cdot kg^{-1}$	24.8	3.6	4 grams
Chromium (Cr)	$mg \cdot kg^{-1}$	24.0	3.5	3.8 grams
Cadmium (Cd)	$mg \cdot kg^{-1}$	1.6	0.2	0.3 grams
Nickel (Ni)	$mg \cdot kg^{-1}$	59.6	8.8	9.5 grams
Fecal Coliform 503	MPN/g	5,200,000		
Salmonella 503	MPN/4g	<5.2		
Mercury (Hg)	$mg \cdot kg^{-1}$	0.57		
Arsenic (As)	$mg \cdot kg^{-1}$	15.0		
Molybdenum (Mo)	$mg \cdot kg^{-1}$	<5		
Selenium (Se)	$mg \cdot kg^{-1}$	<5		
Total PCB	$mg \cdot kg^{-1}$	<3.9		

Notes: ppm = $mg \cdot kg^{-1}$
< = less than MLD (minimum level of detection) for the particular mineral tested

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Code: x Project: 605
Date Received : 03/08/2001
Date Reported : 03/30/2001
Lab ID Number : 4858.6
Quality Checked : WO 4/23/01

COMPOSITION ANALYSIS

Sample Identification: NYC Trial Biosolids, Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	$lbs{\cdot}ft^3$	-	62	1685 lbs/yd^3
Solids	%	100.0	16.4	328 lbs/ton
Moisture	%	0.0	83.6	200 gals/ton
est. water holding capacity	%	242	71	170 gals/ton
pH (paste, H_2O)	$-\log H^+$	~	5.80	ExLow
Free Carbonates (CO_3)	Rating	~	1	None
Organic Matter	%	78.9	12.9	259 lbs/ton
Conductivity	$mmhos{\cdot}cm^{-1}$	~	3.8	Medium
Carbon:Nitrogen (C:N) Ratio	w:w	9.0	9.0	V. Low
Solvita CO_2 Rate	(see chart)	~	3	High
Solvita NH_3 Rate	(see chart)	~	5	Absent
Maturity Index	(see chart)	~	3	Immature
Total Mineral Nutrients				
Total Nitrogen	%	4.737	0.777	15.5
Phosphorus (P)	%	2.140	0.351	7.0
Potassium (K)	%	0.160	0.026	0.5
Sodium (Na)	%	0.135	0.022	0.4
Calcium (Ca)	%	1.160	0.190	3.8
Magnesium (Mg)	%	0.164	0.027	0.5

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Date Received : 03/08/2001
Date Reported : 03/30/2001
Lab ID Number : 4858.6

METALS ANALYSIS

Sample Identification: NYC Trials Biosolids Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	276.0	45.3	<0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	1800.0	295.2	0.6
Iron (Fe)	$mg \cdot kg^{-1}$	8520.0	1397.3	2.8
Zinc (Zn)	$mg \cdot kg^{-1}$	372.0	61.0	0.1
Lead (Pb)	$mg \cdot kg^{-1}$	32.0	-	-
Chromium (Cr)	$mg \cdot kg^{-1}$	27.2	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	2.0	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	47.6	-	-
Arsenic (As)	$mg \cdot kg^{-1}$	< 12	-	-
Mercury (Hg)	$mg \cdot kg^{-1}$	4.9	-	-
Molybdenum (Mo)	$mg \cdot kg^{-1}$	< 31	-	-
Selenium (Se)	$mg \cdot kg^{-1}$	< 26	-	-
Total PCB	$mg \cdot kg^{-1}$	<3.8		
BACTERIOLOGIC ANALYSIS				
Fecal coliform EPA503	MPN per g	68,000	-	
Total *Salmonella* EPA503	MPN per 4g	< 0.49	-	

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
< signifies *less than MLD* (minimum level of detection) for the particular factor tested
‡ = EPA reporting requires dry basis only

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Code: Cv502 402 x Project: 605
Date Received : 03/05/2001
Date Reported : 03/30/2001
Lab ID Number : 4856.4
Quality Checked : WO 4/23/01

COMPOSITION ANALYSIS

Sample Identification: NMS Primary Screen Unders, Day 1-3, Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	$lbs{\cdot}ft^3$	-	38	1028 lbs/yd^3
Solids	%	100.0	46.7	934 lbs/ton
Moisture	%	0.0	53.3	128 gals/ton
est. water holding capacity	%	240	71	169 gals/ton
Inert and Oversize Matter	%	~	10.2	204.0 lbs/ton
pH (paste, H_2O)	$-\log H^+$	~	5.68	ExLow
Free Carbonates (CO_3)	Rating	~	1	None
Volatile Organic Acids	ppm	22076	10309	V High
Organic Matter	%	78.3	36.6	732 lbs/ton
Conductivity	$mmhos{\cdot}cm^{-1}$	~	10.4	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	30.9	30.9	Med-High
Respiration Rate/day	C% of Total-C	1.47	1.47	-
Carbon loss per day	% of total weight	0.62	0.29	5.8 lbs/ton
Solvita CO_2 Rate	(see chart)	~	2	V. High
Solvita NH_3 Rate	(see chart)	~	4	Slight
Maturity Index	(see chart)	~	2	Very Immature

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Date Received : 03/05/2001
Date Reported : 03/30/2001
Lab ID Number : 4856.4

MINERALS ANALYSIS

Sample Identification: NMS Primary Screen 'Unders', Day 1-3, Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	1.368	0.639	12.8
Organic-Nitrogen	%	1.032	0.482	9.6
Phosphorus (P)	%	0.428	0.200	4.0
Potassium (K)	%	0.204	0.095	1.9
Sodium (Na)	%	0.368	0.172	3.4
Calcium (Ca)	%	2.280	1.065	21.3
Magnesium (Mg)	%	0.192	0.090	1.8
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	3354	1566	3.1
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	4756	2221	4.44
Sulfate (SO_4-S)	ppm	2715	1268	2.54

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Lab ID Number : 4856.4

METALS ANALYSIS

Sample Identification: NMS Primary Screen 'Unders,' Day 1-3, Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	90.0	42.0	<0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	352.0	164.4	0.3
Iron (Fe)	$mg \cdot kg^{-1}$	12800.0	5977.6	12.0
Zinc (Zn)	$mg \cdot kg^{-1}$	512.0	239.1	0.5
Lead (Pb)	$mg \cdot kg^{-1}$	236.0	110.2	0.2
Chromium (Cr)	$mg \cdot kg^{-1}$	38.0	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	2.8	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	32.0	-	-
Arsenic (As)	$mg \cdot kg^{-1}$	8.7	-	-
Mercury (Hg)	$mg \cdot kg^{-1}$	1.0	-	-
Molybdenum (Mo)	$mg \cdot kg^{-1}$	< 11	-	-
Selenium (Se)	$mg \cdot kg^{-1}$	21	-	-
Total PCB	$mg \cdot kg^{-1}$	<0.92		

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
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Code: Cv502 402 x Project: 605
Date Received : 03/05/2001
Date Reported : 03/30/2001
Lab ID Number : 4856.5
Quality Checked : wo 4/23/01

COMPOSITION ANALYSIS

Sample Identification: NMS Primary Screen Unders, Day 1-3, Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	$lbs{\cdot}ft^3$	-	45	1213 lbs/yd^3
Solids	%	100.0	45.5	910 lbs/ton
Moisture	%	0.0	54.5	131 gals/ton
est. water holding capacity	%	242	71	170 gals/ton
Inert and Oversize Matter	%	~	19.7	394.0 lbs/ton
pH (paste, H_2O)	$-logH^+$	~	5.92	ExLow
Free Carbonates (CO_3)	Rating	~	1	None
Volatile Organic Acids	ppm	20779	9454	High
Organic Matter	%	78.8	35.9	717 lbs/ton
Conductivity	$mmhos{\cdot}cm^{-1}$	~	10.0	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	31.2	31.2	Med-High
Respiration Rate/day	C% of Total-C	1.73	1.73	-
Carbon loss per day	% of total weight	0.74	0.33	6.7 lbs/ton
Solvita CO_2 Rate	(see chart)	~	3	High
Solvita NH_3 Rate	(see chart)	~	4	Slight
Maturity Index	(see chart)	~	3	Immature

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Code: Cv502 402 x-Project: 605
Date Received : 03/05/2001
Date Reported : 03/30/2001
Lab ID Number : 4856.5

MINERALS ANALYSIS

Sample Identification: NMS Primary Screen Unders, Day 1-3, Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	1.364	0.621	12.4
Organic-Nitrogen	%	1.034	0.470	9.4
Phosphorus (P)	%	0.372	0.169	3.4
Potassium (K)	%	0.196	0.089	1.8
Sodium (Na)	%	0.396	0.180	3.6
Calcium (Ca)	%	2.140	0.974	19.5
Magnesium (Mg)	%	0.188	0.086	1.7
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	3298	1501	3.0
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	4820	2193	4.39
Sulfate (SO_4-S)	ppm	2979	1356	2.71

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Date Reported : 03/30/2001
Lab ID Number : 4856.5

METALS ANALYSIS

Sample Identification: NMS Primary Screen Unders, Day 1-3, Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	80.0	36.4	<0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	332.0	151.1	0.3
Iron (Fe)	$mg \cdot kg^{-1}$	18200.0	8281.0	16.6
Zinc (Zn)	$mg \cdot kg^{-1}$	500.0	227.5	0.5
Lead (Pb)	$mg \cdot kg^{-1}$	216.0	98.3	0.2
Chromium (Cr)	$mg \cdot kg^{-1}$	42.0	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	3.2	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	32.0	-	-
Arsenic (As)	$mg \cdot kg^{-1}$	7.2	-	-
Mercury (Hg)	$mg \cdot kg^{-1}$	0.95	-	-
Molybdenum (Mo)	$mg \cdot kg^{-1}$	< 11	-	-
Selenium (Se)	$mg \cdot kg^{-1}$	19	-	-
Total PCB	$mg \cdot kg^{-1}$	<0.88		

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
< signifies *less than MLD* (minimum level of detection) for the particular factor tested
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Code: x Project: 605
Date Received : 03/08/2001
Date Reported : 03/30/2001
Lab ID Number : 4858.2
Quality Checked : WD 4/23/01

COMPOSITION ANALYSIS

Sample Identification: NMS Primary Screen Unders, Day 3-5, Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	$lbs{\cdot}ft^3$	-	46	1230 lbs/yd^3
Solids	%	100.0	38.0	760 lbs/ton
Moisture	%	0.0	62.0	149 gals/ton
est. water holding capacity	%	236	70	168 gals/ton
Inert and Oversize Matter	%	⇝	9.7	194.0 lbs/ton
pH (paste, H_2O)	$-\log H^+$	⇝	5.83	ExLow
Free Carbonates (CO_3)	Rating	⇝	1	None
Volatile Organic Acids	ppm	10797	4103	High
Organic Matter	%	76.8	29.2	583 lbs/ton
Conductivity	$mmhos{\cdot}cm^{-1}$	⇝	9.0	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	25.2	25.2	Med-High
Respiration Rate/day ... C% of Total-C		2.12	2.12	-
Carbon loss per day ... % of total weight		0.88	0.33	6.7 lbs/ton
Solvita CO_2 Rate	(see chart)	⇝	2	V. High
Solvita NH_3 Rate	(see chart)	⇝	5	Absent
Maturity Index	(see chart)	⇝	2	Very Immature

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Date Received : 03/08/2001
Date Reported : 03/30/2001
Lab ID Number : 4858.2

MINERALS ANALYSIS

Sample Identification: NMS Primary Screen Unders, Day 3-5, Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	1.643	0.624	12.5
Organic-Nitrogen	%	1.348	0.512	10.2
Phosphorus (P)	%	0.436	0.166	3.3
Potassium (K)	%	0.208	0.079	1.6
Sodium (Na)	%	0.420	0.160	3.2
Calcium (Ca)	%	2.840	1.079	21.6
Magnesium (Mg)	%	0.235	0.089	1.8
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	2949	1121	2.2
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	5015	1906	3.81
Sulfate (SO_4-S)	ppm	5938	2257	4.51

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Date Received : 03/08/2001
Date Reported : 03/30/2001
Lab ID Number : 4858.2

METALS ANALYSIS

Sample Identification: NMS Primary Screen Unders, Day 3-5, Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	82.8	31.5	<0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	364.0	138.3	0.3
Iron (Fe)	$mg \cdot kg^{-1}$	10040.0	3815.2	7.6
Zinc (Zn)	$mg \cdot kg^{-1}$	532.0	202.2	0.4
Lead (Pb)	$mg \cdot kg^{-1}$	94.0	-	-
Chromium (Cr)	$mg \cdot kg^{-1}$	40.8	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	2.8	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	35.6	-	-
Arsenic (As)	$mg \cdot kg^{-1}$	6.5	-	-
Mercury (Hg)	$mg \cdot kg^{-1}$	0.86	-	-
Molybdenum (Mo)	$mg \cdot kg^{-1}$	< 12	-	-
Selenium (Se)	$mg \cdot kg^{-1}$	18	-	-
Total PCB	$mg \cdot kg^{-1}$	<1.0		

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
< signifies *less than MLD* (minimum level of detection) for the particular factor tested
‡ = EPA reporting requires dry basis only

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Code: x Project: 605
Date Received : 03/08/2001
Date Reported : 03/30/2001
Lab ID Number : 4858.3
Quality Checked : WD 4/23/01

COMPOSITION ANALYSIS

Sample Identification: NMS Primary Screen Unders, Day 3-5, Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	$lbs{\cdot}ft^3$	-	49	1314 lbs/yd^3
Solids	%	100.0	37.5	750 lbs/ton
Moisture	%	0.0	62.5	150 gals/ton
est. water holding capacity	%	235	70	168 gals/ton
Inert and Oversize Matter	%	~	9.0	180.0 lbs/ton
pH (paste, H_2O)	$-logH^+$	~	5.46	ExLow
Free Carbonates (CO_3)	Rating	~	1	None
Volatile Organic Acids	ppm	16522	6196	High
Organic Matter	%	76.4	28.7	573 lbs/ton
Conductivity	$mmhos{\cdot}cm^{-1}$	~	8.5	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	26.0	26.0	Med-High
Respiration Rate/day	C% of Total-C	2.05	2.05	-
Carbon loss per day	% of total weight	0.85	0.32	6.4 lbs/ton
Solvita CO_2 Rate	(see chart)	~	2	V. High
Solvita NH_3 Rate	(see chart)	~	5	Absent
Maturity Index	(see chart)	~	2	Very Immature

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Account: 556 Code: x-Project: 605

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· 44 Beaver Street-6th floor
· New York NY 10004

Date Received : 03/08/2001
Date Reported : 03/30/2001
Lab ID Number : 4858.3

MINERALS ANALYSIS

Sample Identification: NMS Primary Screen Unders, Day 3-5, Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	1.585	0.594	11.9
Organic-Nitrogen	%	1.281	0.480	9.6
Phosphorus (P)	%	0.460	0.173	3.5
Potassium (K)	%	0.204	0.076	1.5
Sodium (Na)	%	0.400	0.150	3.0
Calcium (Ca)	%	2.980	1.118	22.4
Magnesium (Mg)	%	0.360	0.135	2.7
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	3038	1139	2.3
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	5119	1920	3.84
Sulfate (SO_4-S)	ppm	5897	2211	4.42

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Code: x-Project: 605
Date Received : 03/08/2001
Date Reported : 03/30/2001
Lab ID Number : 4858.3

METALS ANALYSIS

Sample Identification: NMS Primary Screen Unders, Day 3-5, Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	80.4	30.2	<0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	352.0	132.0	0.3
Iron (Fe)	$mg \cdot kg^{-1}$	9680.0	3630.0	7.3
Zinc (Zn)	$mg \cdot kg^{-1}$	500.0	187.5	0.4
Lead (Pb)	$mg \cdot kg^{-1}$	86.0	-	-
Chromium (Cr)	$mg \cdot kg^{-1}$	38.0	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	2.8	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	32.8	-	-
Arsenic (As)	$mg \cdot kg^{-1}$	7.2	-	-
Mercury (Hg)	$mg \cdot kg^{-1}$	1.1	-	-
Molybdenum (Mo)	$mg \cdot kg^{-1}$	< 15	-	-
Selenium (Se)	$mg \cdot kg^{-1}$	16	-	-
Total PCB	$mg \cdot kg^{-1}$	<1.1		

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
< signifies *less than MLD* (minimum level of detection) for the particular factor tested
‡ = EPA reporting requires dry basis only

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Code: x Project: 605
Date Received : 03/08/2001
Date Reported : 03/30/2001
Lab ID Number : 4858.4
Quality Checked : WD 4/23/01

COMPOSITION ANALYSIS

Sample Identification: NMS Day 1 Facility Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	$lbs{\cdot}ft^3$	-	45	1213 lbs/yd^3
Solids	%	100.0	42.2	844 lbs/ton
Moisture	%	0.0	57.8	139 gals/ton
est. water holding capacity	%	237	70	169 gals/ton
Inert and Oversize Matter	%	~	10.1	202.0 lbs/ton
pH (paste, H_2O)	$-\log H^+$	~	5.91	ExLow
Free Carbonates (CO_3)	Rating	~	1	None
Volatile Organic Acids	ppm	19670	8301	High
Organic Matter	%	77.2	32.6	652 lbs/ton
Conductivity	$mmhos{\cdot}cm^{-1}$	~	10.9	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	28.6	28.6	Med-High
Respiration Rate/day	C% of Total-C	1.40	1.40	-
Carbon loss per day	% of total weight	0.58	0.25	4.9 lbs/ton
Seedling Response Assay, Percent of Control				
Latuca sativa Germination	%	~	78	Not Plant-toxic
Latuca sativa Weight	%	~	66	Fair
Lepedium sativum Germination	%	~	81	Mod. Toxic
Lepedium sativum Weight	%	~	38	Low
Solvita CO_2 Rate	(see chart)	~	3	High
Solvita NH_3 Rate	(see chart)	~	4	Slight
Maturity Index	(see chart)	~	3	Immature

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Date Received : 03/08/2001
Date Reported : 03/30/2001
Lab ID Number : 4858.4

MINERALS ANALYSIS

Sample Identification: NMS Day 1 Facility Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	1.459	0.616	12.3
Organic-Nitrogen	%	1.125	0.475	9.5
Phosphorus (P)	%	0.420	0.177	3.5
Potassium (K)	%	0.204	0.086	1.7
Sodium (Na)	%	0.428	0.181	3.6
Calcium (Ca)	%	2.460	1.038	20.8
Magnesium (Mg)	%	0.206	0.087	1.7
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	3342	1410	2.8
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	5008	2113	4.23
Sulfate (SO_4-S)	ppm	4153	1753	3.51

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Lab ID Number : 4858.4

METALS ANALYSIS

Sample Identification: NMS Day 1 Facility Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	86.0	36.3	<0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	392.0	165.4	0.3
Iron (Fe)	$mg \cdot kg^{-1}$	12200.0	5148.4	10.3
Zinc (Zn)	$mg \cdot kg^{-1}$	520.0	219.4	0.4
Lead (Pb)	$mg \cdot kg^{-1}$	178.0	75.1	0.2
Chromium (Cr)	$mg \cdot kg^{-1}$	40.0	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	3.2	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	40.4	-	-
Total PCB	$mg \cdot kg^{-1}$	<0.87		
BACTERIOLOGIC ANALYSIS				
Fecal coliform EPA503	MPN per g	240	-	
Total *Salmonella* EPA503	MPN per 4g	< 1.7	-	

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
< signifies *less than MLD* (minimum level of detection) for the particular factor tested
‡ = EPA reporting requires dry basis only

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Code: x Project: 605
Date Received : 03/08/2001
Date Reported : 03/30/2001
Lab ID Number : 4858.5
Quality Checked : WD 4/23/01

COMPOSITION ANALYSIS

Sample Identification: NMS Day 1 Facility Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	lbs·ft^3	-	46	1230 lbs/yd^3
Solids	%	100.0	42.5	850 lbs/ton
Moisture	%	0.0	57.5	138 gals/ton
est. water holding capacity	%	238	70	169 gals/ton
Inert and Oversize Matter	%	~	15.6	312.0 lbs/ton
pH (paste, H_2O)	-logH^+	~	5.43	ExLow
Free Carbonates (CO_3)	Rating	~	1	None
Volatile Organic Acids	ppm	22696	9646	High
Organic Matter	%	77.6	33.0	659 lbs/ton
Conductivity	*mmhos*·cm^{-1}	~	10.9	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	29.4	29.4	Med-High
Respiration Rate/day	C% of Total-C	1.57	1.57	-
Carbon loss per day	% of total weight	0.66	0.28	5.6 lbs/ton
Seedling Response Assay, Percent of Control				
Latuca sativa Germination	%	~	61	Slightly Plant Toxic
Latuca sativa Weight	%	~	60	Fair
Lepedium sativum Germination	%	~	86	Non-toxic
Lepedium sativum Weight	%	~	38	Low
Solvita CO_2 Rate	(see chart)	~	3	High
Solvita NH_3 Rate	(see chart)	~	4	Slight
Maturity Index	(see chart)	~	3	Immature

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Date Reported : 03/30/2001
Lab ID Number : 4858.5

MINERALS ANALYSIS

Sample Identification: NMS Day 1 Facility Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	1.423	0.605	12.1
Organic-Nitrogen	%	1.075	0.457	9.1
Phosphorus (P)	%	0.392	0.167	3.3
Potassium (K)	%	0.204	0.087	1.7
Sodium (Na)	%	0.420	0.178	3.6
Calcium (Ca)	%	2.720	1.156	23.1
Magnesium (Mg)	%	0.388	0.165	3.3
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	3481	1479	3.0
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	5159	2193	4.39
Sulfate (SO_4–S)	ppm	4439	1887	3.77

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Lab ID Number : 4858.5

METALS ANALYSIS

Sample Identification: NMS Day 1 Facility Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	81.6	34.7	<0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	388.0	164.9	0.3
Iron (Fe)	$mg \cdot kg^{-1}$	11800.0	5015.0	10.0
Zinc (Zn)	$mg \cdot kg^{-1}$	524.0	222.7	0.4
Lead (Pb)	$mg \cdot kg^{-1}$	164.0	69.7	0.1
Chromium (Cr)	$mg \cdot kg^{-1}$	36.8	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	3.2	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	34.0	-	-
Total PCB	$mg \cdot kg^{-1}$	<1.4		
BACTERIOLOGIC ANALYSIS				
Fecal coliform EPA503	MPN per g	32	-	
Total *Salmonella* EPA503	MPN per 4g	< 2.0	-	

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
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Code: x Project: 605
Date Received : 03/16/2001
Date Reported : 04/19/2001
Lab ID Number : 4871.0
Quality Checked : WD 10/10/01

COMPOSITION ANALYSIS

Sample Identification: NMS Day 7 Facility Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	$lbs{\cdot}ft^3$	-	40	1078 lbs/yd^3
Solids	%	100.0	43.8	876 lbs/ton
Moisture	%	0.0	56.2	135 gals/ton
est. water holding capacity	%	232	70	168 gals/ton
Inert and Oversize Matter	%	~	15.9	318.0 lbs/ton
pH (paste, H_2O)	$-\log H^+$	~	7.71	MedHigh
Free Carbonates (CO_3)	Rating	~	1	None
Volatile Organic Acids	ppm	27191	11910	V High
Organic Matter	%	75.3	33.0	659 lbs/ton
Conductivity	$mmhos{\cdot}cm^{-1}$	~	7.7	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	30.2	30.2	Med-High
Respiration Rate/day	C% of Total-C	1.36	1.36	-
Carbon loss per day	% of total weight	0.55	0.24	4.8 lbs/ton
Dewar Self-Heating	°C rise	~	34	Grade II
Seedling Response Assay, Percent of Control				
Latuca sativa Germination	%	~	67	Slightly Plant Toxic
Latuca sativa Weight	%	~	40	Low
Lepedium sativum Germination	%	~	103	Non-toxic
Lepedium sativum Weight	%	~	58	Fair
Solvita CO_2 Rate	(see chart)	~	5	Medium
Solvita NH_3 Rate	(see chart)	~	5	Absent
Maturity Index	(see chart)	~	5	Late-Active

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Code: x-Project: 605

Date Received : 03/16/2001
Date Reported : 04/19/2001
Lab ID Number : 4871.0

MINERALS ANALYSIS

Sample Identification: NMS Day 7 Facility Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	1.344	0.589	11.8
Organic-Nitrogen	%	0.863	0.378	7.6
Phosphorus (P)	%	0.376	0.165	3.3
Potassium (K)	%	0.260	0.114	2.3
Sodium (Na)	%	0.460	0.201	4.0
Calcium (Ca)	%	2.532	1.109	22.2
Magnesium (Mg)	%	0.244	0.107	2.1
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	4810	2107	4.2
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	4499	1971	3.94
Sulfate (SO_4-S)	ppm	3318	1453	2.91

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Date Received : 03/16/2001
Date Reported : 04/19/2001
Lab ID Number : 4871.0

METALS ANALYSIS

Sample Identification: NMS Day 7 Facility Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	98.4	43.1	<0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	388.0	169.9	0.3
Iron (Fe)	$mg \cdot kg^{-1}$	13080.0	5729.0	11.5
Zinc (Zn)	$mg \cdot kg^{-1}$	504.0	220.8	0.4
Lead (Pb)	$mg \cdot kg^{-1}$	210.0	92.0	0.2
Chromium (Cr)	$mg \cdot kg^{-1}$	40.0	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	3.6	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	40.8	-	-

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
< signifies *less than MLD* (minimum level of detection) for the particular factor tested
‡ = EPA reporting requires dry basis only

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Code: x Project: 605
Date Received : 03/16/2001
Date Reported : 04/19/2001
Lab ID Number : 4871.1
Quality Checked : WS 4/10/01

COMPOSITION ANALYSIS

Sample Identification: NMS Day 7 Facility Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	lbs·ft^3	-	39	1062 lbs/yd^3
Solids	%	100.0	43.5	870 lbs/ton
Moisture	%	0.0	56.5	135 gals/ton
est. water holding capacity	%	237	70	169 gals/ton
Inert and Oversize Matter	%	~	17.2	344.0 lbs/ton
pH (paste, H_2O)	-logH$^+$	~	7.86	MedHigh
Free Carbonates (CO_3)	Rating	~	1	None
Volatile Organic Acids	ppm	26294	11438	V High
Organic Matter	%	77.0	33.5	670 lbs/ton
Conductivity	*mmhos*·cm^{-1}	~	7.7	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	30.5	30.5	Med-High
Respiration Rate/day	C% of Total-C	1.51	1.51	-
Carbon loss per day	% of total weight	0.63	0.27	5.5 lbs/ton
Dewar Self-Heating	°C rise	~	47	Grade I
Seedling Response Assay, Percent of Control				
Latuca sativa Germination	%	~	64	Slightly Plant Toxic
Latuca sativa Weight	%	~	40	Low
Lepedium sativum Germination	%	~	108	Non-toxic
Lepedium sativum Weight	%	~	64	Fair
Solvita CO_2 Rate	(see chart)	~	5	Medium
Solvita NH_3 Rate	(see chart)	~	5	Absent
Maturity Index	(see chart)	~	5	Late-Active

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Date Received : 03/16/2001
Date Reported : 04/19/2001
Lab ID Number : 4871.1

MINERALS ANALYSIS

Sample Identification: NMS Day 7 Facility Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	1.362	0.592	11.8
Organic-Nitrogen	%	0.857	0.373	7.5
Phosphorus (P)	%	0.376	0.164	3.3
Potassium (K)	%	0.260	0.113	2.3
Sodium (Na)	%	0.476	0.207	4.1
Calcium (Ca)	%	2.380	1.035	20.7
Magnesium (Mg)	%	0.212	0.092	1.8
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	5052	2198	4.4
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	4377	1904	3.81
Sulfate (SO_4-S)	ppm	3167	1378	2.76

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Date Received : 03/16/2001
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Lab ID Number : 4871.1

METALS ANALYSIS

Sample Identification: NMS Day 7 Facility Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	102.8	44.7	<0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	360.0	156.6	0.3
Iron (Fe)	$mg \cdot kg^{-1}$	13120.0	5707.2	11.4
Zinc (Zn)	$mg \cdot kg^{-1}$	516.0	224.5	0.4
Lead (Pb)	$mg \cdot kg^{-1}$	218.0	94.8	0.2
Chromium (Cr)	$mg \cdot kg^{-1}$	36.0	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	4.4	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	44.0	-	-

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
< signifies *less than MLD* (minimum level of detection) for the particular factor tested
‡ = EPA reporting requires dry basis only

Woods End Research Laboratory, Inc.
Old Rome Road, P.O. Box 297
Mount Vernon, ME 04352/USA
207-293-2457 FAX: 207-293-2488 www.woodsend.org

Account: 556
· Robert LaValva
· Bur. of Waste Prev. Reuse and Recycling
· 44 Beaver Street-6th floor
· New York NY 10004

Code: x Project: 605
Date Received : 02/22/2001
Date Reported : 04/23/2001
Lab ID Number : 4878.0
Quality Checked : WD 4/24/01

COMPOSITION ANALYSIS

Sample Identification: NMS Day 14 Facility Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	$lbs{\cdot}ft^3$	-	36	977 lbs/yd^3
Solids	%	100.0	47.7	954 lbs/ton
Moisture	%	0.0	52.3	125 gals/ton
est. water holding capacity	%	234	70	168 gals/ton
Inert and Oversize Matter	%	~	10.3	206.0 lbs/ton
pH (paste, H_2O)	$-\log H^+$	~	6.78	Med Low
Free Carbonates (CO_3)	Rating	~	1	None
Volatile Organic Acids	ppm	35015	16702	V High
Organic Matter	%	76.1	36.3	726 lbs/ton
Conductivity	$mmhos{\cdot}cm^{-1}$	~	9.9	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	31.8	31.8	Med-High
Respiration Rate/day	C% of Total-C	1.31	1.31	-
Carbon loss per day	% of total weight	0.54	0.26	5.2 lbs/ton
Dewar Self-Heating	°C rise	~	48	Grade I
Seedling Response Assay, Percent of Control				
Latuca sativa Germination	%	~	59	Plant Toxic
Latuca sativa Weight	%	~	37	Low
Lepedium sativum Germination	%	~	95	Non-toxic
Lepedium sativum Weight	%	~	52	Fair
Solvita CO_2 Rate	(see chart)	~	7	Low
Solvita NH_3 Rate	(see chart)	~	5	Absent
Maturity Index	(see chart)	~	7	Mature

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Date Reported : 04/23/2001
Lab ID Number : 4878.0

MINERALS ANALYSIS

Sample Identification: NMS Day 14 Facility Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	1.294	0.617	12.3
Organic-Nitrogen	%	0.777	0.371	7.4
Phosphorus (P)	%	0.368	0.176	3.5
Potassium (K)	%	0.240	0.114	2.3
Sodium (Na)	%	0.400	0.191	3.8
Calcium (Ca)	%	2.240	1.068	21.4
Magnesium (Mg)	%	0.190	0.091	1.8
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	5168	2465	4.9
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	4705	2244	4.49
Sulfate (SO_4-S)	ppm	2624	1252	2.50

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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METALS ANALYSIS

Sample Identification: NMS Day 14 Facility Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	108.0	51.5	0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	364.0	173.6	0.3
Iron (Fe)	$mg \cdot kg^{-1}$	11560.0	5514.1	11.0
Zinc (Zn)	$mg \cdot kg^{-1}$	440.0	209.9	0.4
Lead (Pb)	$mg \cdot kg^{-1}$	234.4	111.8	0.2
Chromium (Cr)	$mg \cdot kg^{-1}$	34.8	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	2.8	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	39.6	-	-

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
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‡ = EPA reporting requires dry basis only

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Date Received : 02/22/2001
Date Reported : 04/23/2001
Lab ID Number : 4878.1
Quality Checked : WD 4/24/01

COMPOSITION ANALYSIS

Sample Identification: NMS Day 14 Facility Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	$lbs \cdot ft^3$	-	36	977 lbs/yd^3
Solids	%	100.0	49.2	984 lbs/ton
Moisture	%	0.0	50.8	122 gals/ton
est. water holding capacity	%	223	69	166 gals/ton
Inert and Oversize Matter	%	~	13.0	260.0 lbs/ton
pH (paste, H_2O)	$-\log H^+$	~	6.87	Med Low
Free Carbonates (CO_3)	Rating	~	1	None
Volatile Organic Acids	ppm	32648	16063	V High
Organic Matter	%	72.2	35.5	710 lbs/ton
Conductivity	$mmhos \cdot cm^{-1}$	~	10.0	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	29.0	29.0	Med-High
Respiration Rate/day	C% of Total-C	1.59	1.59	-
Carbon loss per day	% of total weight	0.62	0.30	6.1 lbs/ton
Dewar Self-Heating	°C rise	~	48	Grade I
Seedling Response Assay, Percent of Control				
Latuca sativa Germination	%	~	44	Plant Toxic
Latuca sativa Weight	%	~	44	Low
Lepedium sativum Germination	%	~	103	Non-toxic
Lepedium sativum Weight	%	~	55	Fair
Solvita CO_2 Rate	(see chart)	~	6	Med-Low
Solvita NH_3 Rate	(see chart)	~	5	Absent
Maturity Index	(see chart)	~	6	Active-Curing

Notes: ppm = mg/kg < = less than MLD (minimum level of detection), nd = none detected

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MINERALS ANALYSIS

Sample Identification: NMS Day 14 Facility Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	1.344	0.661	13.2
Organic-Nitrogen	%	0.769	0.378	7.6
Phosphorus (P)	%	0.384	0.189	3.8
Potassium (K)	%	0.232	0.114	2.3
Sodium (Na)	%	0.408	0.201	4.0
Calcium (Ca)	%	2.152	1.059	21.2
Magnesium (Mg)	%	0.202	0.099	2.0
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	5747	2828	5.7
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	4593	2260	4.52
Sulfate (SO_4-S)	ppm	2844	1399	2.80

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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METALS ANALYSIS

Sample Identification: NMS Day 14 Facility Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	102.4	50.4	0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	376.0	185.0	0.4
Iron (Fe)	$mg \cdot kg^{-1}$	12200.0	6002.4	12.0
Zinc (Zn)	$mg \cdot kg^{-1}$	460.0	226.3	0.5
Lead (Pb)	$mg \cdot kg^{-1}$	228.4	112.4	0.2
Chromium (Cr)	$mg \cdot kg^{-1}$	32.8	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	4.0	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	39.2	-	-

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million), MPN = most probable number
< signifies *less than MLD* (minimum level of detection) for the particular factor tested
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Code: x Project: 605
Date Received : 03/29/2001
Date Reported : 05/02/2001
Lab ID Number : 4888.0
Quality Checked : UD 5/16/01

COMPOSITION ANALYSIS

Sample Identification: NMS Day 21 Facility Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	$lbs{\cdot}ft^3$	-	32	876 lbs/yd^3
Solids	%	100.0	51.4	1028 lbs/ton
Moisture	%	0.0	48.6	117 gals/ton
est. water holding capacity	%	234	70	168 gals/ton
Inert and Oversize Matter	%	~	13.4	268.0 lbs/ton
pH (paste, H_2O)	$-\log H^+$	~	7.34	Med-Ideal
Free Carbonates (CO_3)	Rating	~	1	None
Volatile Organic Acids	ppm	29499	15162	V High
Organic Matter	%	76.0	39.1	781 lbs/ton
Conductivity	$mmhos{\cdot}cm^{-1}$	~	9.1	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	28.9	28.9	Med-High
Respiration Rate/day	C% of Total-C	1.44	1.44	-
Carbon loss per day	% of total weight	0.59	0.30	6.1 lbs/ton
Dewar Self-Heating	°C rise	~	46	Grade I
Seedling Response Assay, Percent of Control				
Latuca sativa Germination	%	~	84	Not Plant-toxic
Latuca sativa Weight	%	~	52	Fair
Lepedium sativum Germination	%	~	100	Non-toxic
Lepedium sativum Weight	%	~	57	Fair
Solvita CO_2 Rate	(see chart)	~	3	High
Solvita NH_3 Rate	(see chart)	~	4	Slight
Maturity Index	(see chart)	~	3	Immature

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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MINERALS ANALYSIS

Sample Identification: NMS Day 21 Facility Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	1.418	0.729	14.6
Organic-Nitrogen	%	0.954	0.491	9.8
Phosphorus (P)	%	0.416	0.214	4.3
Potassium (K)	%	0.272	0.140	2.8
Sodium (Na)	%	0.420	0.216	4.3
Calcium (Ca)	%	2.440	1.254	25.1
Magnesium (Mg)	%	0.188	0.097	1.9
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	4634	2382	4.8
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	5489	2821	5.64
Sulfate (SO_4-S)	ppm	3055	1570	3.14

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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METALS ANALYSIS

Sample Identification: NMS Day 21 Facility Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	132.0	67.8	0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	388.0	199.4	0.4
Iron (Fe)	$mg \cdot kg^{-1}$	12200.0	6270.8	12.5
Zinc (Zn)	$mg \cdot kg^{-1}$	488.0	250.8	0.5
Lead (Pb)	$mg \cdot kg^{-1}$	228.0	117.2	0.2
Chromium (Cr)	$mg \cdot kg^{-1}$	31.2	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	3.2	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	68.0	35.0	0.1
Arsenic (As)	$mg \cdot kg^{-1}$	< 4.4	-	-
Mercury (Hg)	$mg \cdot kg^{-1}$	0.98	-	-
Molybdenum (Mo)	$mg \cdot kg^{-1}$	20	-	-
Selenium (Se)	$mg \cdot kg^{-1}$	17	-	-
BACTERIOLOGIC ANALYSIS				
Fecal coliform EPA503	MPN per g	4.2	-	
Total *Salmonella* EPA503	MPN per 4g	< 1.7	-	

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
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Date Reported : 05/02/2001
Lab ID Number : 4888.1
Quality Checked : WO 5/16/01

COMPOSITION ANALYSIS

Sample Identification: NMS Day 21 Facility Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	$lbs{\cdot}ft^3$	-	35	944 lbs/yd^3
Solids	%	100.0	53.8	1076 lbs/ton
Moisture	%	0.0	46.2	111 gals/ton
est. water holding capacity	%	219	69	165 gals/ton
Inert and Oversize Matter	%	~	12.4	248.0 lbs/ton
pH (paste, H_2O)	$-\log H^+$	~	7.31	Med-Ideal
Free Carbonates (CO_3)	Rating	~	1	None
Volatile Organic Acids	ppm	25822	13892	V High
Organic Matter	%	70.6	38.0	760 lbs/ton
Conductivity	$mmhos{\cdot}cm^{-1}$	~	9.1	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	30.0	30.0	Med-High
Respiration Rate/day ... C% of Total-C		1.44	1.44	-
Carbon loss per day ... % of total weight		0.55	0.30	5.9 lbs/ton
Dewar Self-Heating	°C rise	~	46	Grade I
Seedling Response Assay, Percent of Control				
Latuca sativa Germination	%	~	66	Slightly Plant Toxic
Latuca sativa Weight	%	~	52	Fair
Lepedium sativum Germination	%	~	93	Non-toxic
Lepedium sativum Weight	%	~	51	Fair
Solvita CO_2 Rate	(see chart)	~	3	High
Solvita NH_3 Rate	(see chart)	~	5	Absent
Maturity Index	(see chart)	~	3	Immature

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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MINERALS ANALYSIS

Sample Identification: NMS Day 21 Facility Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	1.269	0.683	13.7
Organic-Nitrogen	%	0.817	0.439	8.8
Phosphorus (P)	%	0.384	0.207	4.1
Potassium (K)	%	0.240	0.129	2.6
Sodium (Na)	%	0.408	0.220	4.4
Calcium (Ca)	%	2.180	1.173	23.5
Magnesium (Mg)	%	0.182	0.098	2.0
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	4523	2433	4.9
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	5252	2825	5.65
Sulfate (SO_4-S)	ppm	2463	1325	2.65

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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METALS ANALYSIS

Sample Identification: NMS Day 21 Facility Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	94.8	51.0	0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	348.0	187.2	0.4
Iron (Fe)	$mg \cdot kg^{-1}$	11600.0	6240.8	12.5
Zinc (Zn)	$mg \cdot kg^{-1}$	440.0	236.7	0.5
Lead (Pb)	$mg \cdot kg^{-1}$	202.0	108.7	0.2
Chromium (Cr)	$mg \cdot kg^{-1}$	29.6	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	2.8	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	39.2	-	-
Arsenic (As)	$mg \cdot kg^{-1}$	< 4.1	-	-
Mercury (Hg)	$mg \cdot kg^{-1}$	0.79	-	-
Molybdenum (Mo)	$mg \cdot kg^{-1}$	20	-	-
Selenium (Se)	$mg \cdot kg^{-1}$	13	-	-
BACTERIOLOGIC ANALYSIS				
Fecal coliform EPA503	MPN per g	60	-	
Total *Salmonella* EPA503	MPN per 4g	< 1.6	-	

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
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Code: x Project: n/a
Date Received : 04/13/2001
Date Reported : 05/23/2001
Lab ID Number : 4910.0
Quality Checked : WO 5/23/01

COMPOSITION ANALYSIS

Sample Identification: NMS Half-Inch 'Unders'

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	$lbs{\cdot}ft^3$	-	35	944 lbs/yd^3
Solids	%	100.0	56.6	1132 lbs/ton
Moisture	%	0.0	43.4	104 gals/ton
est. water holding capacity	%	222	69	165 gals/ton
pH (paste, H_2O)	$-\log H^+$	~	8.05	MedHigh
Free Carbonates (CO_3)	Rating	~	2	Med-High
Volatile Organic Acids	ppm	1677	949	M Low
Organic Matter	%	71.8	40.6	813 lbs/ton
Conductivity	$mmhos{\cdot}cm^{-1}$	~	6.1	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	20.2	20.2	Medium
Respiration Rate/day ... C% of Total-C		1.11	1.11	-
Carbon loss per day ... % of total weight		0.43	0.24	4.9 lbs/ton
Dewar Self-Heating	°C rise	~	33	Grade II
Seedling Response Assay, Percent of Control				
Latuca sativa Germination	%	~	15	Extr. Plant Toxic
Latuca sativa Weight	%	~	62	Fair
Lepedium sativum Germination	%	~	90	Non-toxic
Lepedium sativum Weight	%	~	43	Low
Solvita CO_2 Rate	(see chart)	~	5	Medium
Solvita NH_3 Rate	(see chart)	~	2	High
Maturity Index	(see chart)	~	3	Immature

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Lab ID Number : 4910.0

MINERALS ANALYSIS

Sample Identification: NMS Half-Inch 'Unders'

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	1.919	1.086	21.7
Organic-Nitrogen	%	1.513	0.856	17.1
Phosphorus (P)	%	0.360	0.204	4.1
Potassium (K)	%	0.260	0.147	2.9
Sodium (Na)	%	0.440	0.249	5.0
Calcium (Ca)	%	2.320	1.313	26.3
Magnesium (Mg)	%	0.212	0.120	2.4
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	4060	2298	4.6
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Volatile N as % of total-N	w:w	~	1.4	-
Chloride (Cl)	ppm	5350	3028	6.06
Sulfate (SO_4-S)	ppm	3373	1909	3.82

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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· 44 Beaver Street-8th floor
· New York NY 10004

Date Received : 04/13/2001
Date Reported : 05/23/2001
Lab ID Number : 4910.0

METALS ANALYSIS

Sample Identification: NMS Half-Inch 'Unders'

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	128.0	72.4	0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	420.0	237.7	0.5
Iron (Fe)	$mg \cdot kg^{-1}$	17200.0	9735.2	19.5
Zinc (Zn)	$mg \cdot kg^{-1}$	476.0	269.4	0.5
Lead (Pb)	$mg \cdot kg^{-1}$	236.0	133.6	0.3
Chromium (Cr)	$mg \cdot kg^{-1}$	36.0	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	3.6	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	50.0	28.3	0.1

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
< signifies *less than MLD* (minimum level of detection) for the particular factor tested
‡ = EPA reporting requires dry basis only

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Account: 556
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· Bur. of Waste Prev. Reuse and Recycling
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· New York NY 10004

Code: x Project: 605
Date Received : 03/16/2001
Date Reported : 04/23/2001
Lab ID Number : 4875.0
Quality Checked : WD 4/23/01

COMPOSITION ANALYSIS

Sample Identification: NMS Day 7 Bench-Scale, Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
Solids	%	100.0	48.2	964 lbs/ton
Moisture	%	0.0	51.8	124 gals/ton
est. water holding capacity	%	232	70	168 gals/ton
Inert and Oversize Matter	%	~	7.7	154.0 lbs/ton
pH (paste, H_2O)	$-\log H^+$	~	7.14	Med-Ideal
Free Carbonates (CO_3)	Rating	~	1	None
Volatile Organic Acids	ppm	20729	9991	High
Organic Matter	%	75.2	36.3	725 lbs/ton
Conductivity	$mmhos \cdot cm^{-1}$	~	8.7	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	22.0	22.0	Medium
Respiration Rate/day	C% of Total-C	1.16	1.16	-
Carbon loss per day	% of total weight	0.47	0.23	4.5 lbs/ton
Seedling Response Assay, Percent of Control				
Latuca sativa Germination	%	~	54	Plant Toxic
Latuca sativa Weight	%	~	41	Low
Lepedium sativum Germination	%	~	103	Non-toxic
Lepedium sativum Weight	%	~	65	Fair
Solvita CO_2 Rate	(see chart)	~	1	Ex. High
Solvita NH_3 Rate	(see chart)	~	4	Slight
Maturity Index	(see chart)	~	1	Raw Waste!

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Date Received : 03/16/2001
Date Reported : 04/23/2001
Lab ID Number : 4875.0

MINERALS ANALYSIS

Sample Identification: NMS Day 7 Bench-Scale, Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	1.848	0.891	17.8
Organic-Nitrogen	%	1.516	0.731	14.6
Phosphorus (P)	%	0.380	0.183	3.7
Potassium (K)	%	0.280	0.135	2.7
Sodium (Na)	%	0.532	0.256	5.1
Calcium (Ca)	%	2.700	1.301	26.0
Magnesium (Mg)	%	0.268	0.129	2.6
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	3317	1599	3.2
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	5193	2503	5.01
Sulfate (SO_4-S)	ppm	3867	1864	3.73

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Date Received : 03/16/2001
Date Reported : 04/23/2001
Lab ID Number : 4875.0

METALS ANALYSIS

Sample Identification: NMS Day 7 Bench-Scale, Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	101.2	48.8	<0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	400.0	192.8	0.4
Iron (Fe)	$mg \cdot kg^{-1}$	13000.0	6266.0	12.5
Zinc (Zn)	$mg \cdot kg^{-1}$	500.0	241.0	0.5
Lead (Pb)	$mg \cdot kg^{-1}$	203.6	98.1	0.2
Chromium (Cr)	$mg \cdot kg^{-1}$	39.6	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	3.2	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	45.6	-	-

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
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Code: x Project: 605
Date Received : 03/16/2001
Date Reported : 04/23/2001
Lab ID Number : 4875.1
Quality Checked : WO 4/23/01

COMPOSITION ANALYSIS

Sample Identification: NMS Day 7 Bench-Scale, Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
Solids	%	100.0	48.9	978 lbs/ton
Moisture	%	0.0	51.1	123 gals/ton
est. water holding capacity	%	227	69	166 gals/ton
Inert and Oversize Matter	%	~	12.0	240.0 lbs/ton
pH (paste, H_2O)	$-\log H^+$	~	7.17	Med-Ideal
Free Carbonates (CO_3)	Rating	~	1	None
Volatile Organic Acids	ppm	22685	11093	V High
Organic Matter	%	73.3	35.8	717 lbs/ton
Conductivity	*mmhos*·cm^{-1}	~	8.9	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	20.8	20.8	Medium
Respiration Rate/day	C% of Total-C	1.60	1.60	-
Carbon loss per day	% of total weight	0.63	0.31	6.2 lbs/ton
Seedling Response Assay, Percent of Control				
Latuca sativa Germination	%	~	44	Plant Toxic
Latuca sativa Weight	%	~	35	Low
Lepedium sativum Germination	%	~	95	Non-toxic
Lepedium sativum Weight	%	~	64	Fair
Solvita CO_2 Rate	(see chart)	~	1	Ex. High
Solvita NH_3 Rate	(see chart)	~	4	Slight
Maturity Index	(see chart)	~	1	Raw Waste!

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Date Received : 03/16/2001
Date Reported : 04/23/2001
Lab ID Number : 4875.1

MINERALS ANALYSIS

Sample Identification: NMS Day 7 Bench-Scale, Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	1.902	0.930	18.6
Organic-Nitrogen	%	1.559	0.763	15.3
Phosphorus (P)	%	0.380	0.186	3.7
Potassium (K)	%	0.276	0.135	2.7
Sodium (Na)	%	0.528	0.258	5.2
Calcium (Ca)	%	2.640	1.291	25.8
Magnesium (Mg)	%	0.268	0.131	2.6
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	3423	1674	3.3
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	4967	2429	4.86
Sulfate (SO_4-S)	ppm	3634	1777	3.55

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Date Reported : 04/23/2001
Lab ID Number : 4875.1

METALS ANALYSIS

Sample Identification: NMS Day 7 Bench-Scale, Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	100.0	48.9	<0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	416.0	203.4	0.4
Iron (Fe)	$mg \cdot kg^{-1}$	13840.0	6767.8	13.5
Zinc (Zn)	$mg \cdot kg^{-1}$	508.0	248.4	0.5
Lead (Pb)	$mg \cdot kg^{-1}$	232.8	113.8	0.2
Chromium (Cr)	$mg \cdot kg^{-1}$	44.0	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	2.8	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	46.0	-	-

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
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Code: x Project: 605
Date Received : 03/23/2001
Date Reported : 04/25/2001
Lab ID Number : 4879.0
Quality Checked : WD 4/25/01

COMPOSITION ANALYSIS

Sample Identification: NMS Day 14 Bench-Scale, Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
Solids	%	100.0	52.6	1052 lbs/ton
Moisture	%	0.0	47.4	114 gals/ton
est. water holding capacity	%	222	69	165 gals/ton
Inert and Oversize Matter	%	~	16.4	328.0 lbs/ton
pH (paste, H_2O)	$-\log H^+$	~	7.75	MedHigh
Free Carbonates (CO_3)	Rating	~	1	None
Volatile Organic Acids	ppm	6468	3402	M High
Organic Matter	%	71.6	37.6	753 lbs/ton
Conductivity	$mmhos \cdot cm^{-1}$	~	10.5	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	19.0	19.0	Medium
Respiration Rate/day	C% of Total-C	0.16	0.16	-
Carbon loss per day	% of total weight	0.06	0.03	0.6 lbs/ton
Seedling Response Assay, Percent of Control				
Latuca sativa Germination	%	~	51	Plant Toxic
Latuca sativa Weight	%	~	40	Low
Lepedium sativum Germination	%	~	97	Non-toxic
Lepedium sativum Weight	%	~	57	Fair
Solvita CO_2 Rate	(see chart)	~	3	High
Solvita NH_3 Rate	(see chart)	~	4	Slight
Maturity Index	(see chart)	~	3	Immature

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Code: x-Project: 605
Date Received : 03/23/2001
Date Reported : 04/25/2001
Lab ID Number : 4879.0

MINERALS ANALYSIS

Sample Identification: NMS Day 14 Bench-Scale, Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	2.029	1.067	21.3
Organic-Nitrogen	%	1.745	0.918	18.4
Phosphorus (P)	%	0.404	0.213	4.3
Potassium (K)	%	0.284	0.149	3.0
Sodium (Na)	%	0.496	0.261	5.2
Calcium (Ca)	%	2.760	1.452	29.0
Magnesium (Mg)	%	0.222	0.117	2.3
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	2834	1491	3.0
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	5279	2777	5.55
Sulfate (SO_4-S)	ppm	4043	2127	4.25

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Date Received : 03/23/2001
Date Reported : 04/25/2001
Lab ID Number : 4879.0

METALS ANALYSIS

Sample Identification: NMS Day 14 Bench-Scale, Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	124.0	65.2	0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	460.0	242.0	0.5
Iron (Fe)	$mg \cdot kg^{-1}$	14080.0	7406.1	14.8
Zinc (Zn)	$mg \cdot kg^{-1}$	540.0	284.0	0.6
Lead (Pb)	$mg \cdot kg^{-1}$	240.0	126.2	0.3
Chromium (Cr)	$mg \cdot kg^{-1}$	308.8	162.4	0.3
Cadmium (Cd)	$mg \cdot kg^{-1}$	3.6	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	78.4	41.2	0.1

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
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Code: x Project: 605
Date Received : 03/23/2001
Date Reported : 04/25/2001
Lab ID Number : 4879.1
Quality Checked : 4/25/01 WD

COMPOSITION ANALYSIS

Sample Identification: NMS Day 14 Bench-Scale, Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
Solids	%	100.0	54.3	1086 lbs/ton
Moisture	%	0.0	45.7	110 gals/ton
est. water holding capacity	%	212	68	163 gals/ton
Inert and Oversize Matter	%	~	15.0	300.0 lbs/ton
pH (paste, H_2O)	$-\log H^+$	~	7.71	MedHigh
Free Carbonates (CO_3)	Rating	~	1	None
Volatile Organic Acids	ppm	11060	6006	High
Organic Matter	%	67.8	36.8	737 lbs/ton
Conductivity	$mmhos \cdot cm^{-1}$	~	11.4	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	16.9	16.9	M. Low
Respiration Rate/day	C% of Total-C	1.83	1.83	-
Carbon loss per day	% of total weight	0.67	0.36	7.3 lbs/ton
Seedling Response Assay, Percent of Control				
Latuca sativa Germination	%	~	49	Plant Toxic
Latuca sativa Weight	%	~	40	Low
Lepedium sativum Germination	%	~	100	Non-toxic
Lepedium sativum Weight	%	~	60	Fair
Solvita CO_2 Rate	(see chart)	~	3	High
Solvita NH_3 Rate	(see chart)	~	5	Absent
Maturity Index	(see chart)	~	3	Immature

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Date Received : 03/23/2001
Date Reported : 04/25/2001
Lab ID Number : 4879.1

MINERALS ANALYSIS

Sample Identification: NMS Day 14 Bench-Scale, Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	2.172	1.179	23.6
Organic-Nitrogen	%	1.873	1.017	20.3
Phosphorus (P)	%	0.452	0.245	4.9
Potassium (K)	%	0.276	0.150	3.0
Sodium (Na)	%	0.476	0.258	5.2
Calcium (Ca)	%	2.772	1.505	30.1
Magnesium (Mg)	%	0.226	0.123	2.5
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	2986	1621	3.2
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	5330	2894	5.79
Sulfate (SO_4-S)	ppm	3921	2129	4.26

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Date Received : 03/23/2001
Date Reported : 04/25/2001
Lab ID Number : 4879.1

METALS ANALYSIS

Sample Identification: NMS Day 14 Bench-Scale, Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	120.0	65.2	0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	476.0	258.5	0.5
Iron (Fe)	$mg \cdot kg^{-1}$	13720.0	7450.0	14.9
Zinc (Zn)	$mg \cdot kg^{-1}$	548.0	297.6	0.6
Lead (Pb)	$mg \cdot kg^{-1}$	236.0	128.1	0.3
Chromium (Cr)	$mg \cdot kg^{-1}$	42.4	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	4.0	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	50.0	27.1	0.1

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
< signifies *less than MLD* (minimum level of detection) for the particular factor tested
‡ = EPA reporting requires dry basis only

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Code: x Project: 605
Date Received : 03/30/2001
Date Reported : 05/02/2001
Lab ID Number : 4891.0
Quality Checked : WD 5/16/01

COMPOSITION ANALYSIS

Sample Identification: NMS Day 21 Bench-Scale, Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	$lbs{\cdot}ft^3$	-	27	725 lbs/yd^3
Solids	%	100.0	64.9	1298 lbs/ton
Moisture	%	0.0	35.1	84 gals/ton
est. water holding capacity	%	209	68	162 gals/ton
Inert and Oversize Matter	%	~	17.0	340.0 lbs/ton
pH (paste, H_2O)	$-\log H^+$	~	7.75	MedHigh
Free Carbonates (CO_3)	Rating	~	2	Med-High
Volatile Organic Acids	ppm	1695	1100	Medium
Organic Matter	%	67.0	43.5	870 lbs/ton
Conductivity	$mmhos{\cdot}cm^{-1}$	~	9.4	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	17.6	17.6	Medium
Respiration Rate/day ... C% of Total-C		1.50	1.50	-
Carbon loss per day ... % of total weight		0.54	0.35	7.1 lbs/ton
Dewar Self-Heating	°C rise	~	30	Grade III
Seedling Response Assay, Percent of Control				
Latuca sativa Germination	%	~	73	Slightly Plant Toxic
Latuca sativa Weight	%	~	42	Low
Lepedium sativum Germination	%	~	95	Non-toxic
Lepedium sativum Weight	%	~	48	Low
Solvita CO_2 Rate	(see chart)	~	4	Med-High
Solvita NH_3 Rate	(see chart)	~	4	Slight
Maturity Index	(see chart)	~	4	Med-Active

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Code: x-Project: 605

Date Received : 03/30/2001
Date Reported : 05/02/2001
Lab ID Number : 4891.0

MINERALS ANALYSIS

Sample Identification: NMS Day 21 Bench-Scale, Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	2.059	1.336	26.7
Organic-Nitrogen	%	1.809	1.174	23.5
Phosphorus (P)	%	0.408	0.265	5.3
Potassium (K)	%	0.300	0.195	3.9
Sodium (Na)	%	0.540	0.350	7.0
Calcium (Ca)	%	3.160	2.051	41.0
Magnesium (Mg)	%	0.268	0.174	3.5
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	2496	1620	3.2
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	7311	4745	9.49
Sulfate (SO_4-S)	ppm	6633	4305	8.61

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Code: x-Project: 605
Date Received : 03/30/2001
Date Reported : 05/02/2001
Lab ID Number : 4891.0

METALS ANALYSIS

Sample Identification: NMS Day 21 Bench-Scale, Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	106.0	68.8	0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	476.0	308.9	0.6
Iron (Fe)	$mg \cdot kg^{-1}$	11800.0	7658.2	15.3
Zinc (Zn)	$mg \cdot kg^{-1}$	560.0	363.4	0.7
Lead (Pb)	$mg \cdot kg^{-1}$	244.0	158.4	0.3
Chromium (Cr)	$mg \cdot kg^{-1}$	39.6	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	4.0	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	58.0	37.6	0.1
BACTERIOLOGIC ANALYSIS				
Fecal coliform EPA503	MPN per g	< 3.0	-	
Total *Salmonella* EPA503	MPN per 4g	< 1.2	-	

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
< signifies *less than MLD* (minimum level of detection) for the particular factor tested
‡ = EPA reporting requires dry basis only

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Account: 556
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· DOS Waste Prev. Reuse and Recycling
· 44 Beaver Street-8th floor
· New York NY 10004

Code: x Project: 605
Date Received : 03/30/2001
Date Reported : 05/02/2001
Lab ID Number : 4891.1
Quality Checked : WD 5/16/01

COMPOSITION ANALYSIS

Sample Identification: NMS Day 21 Bench-Scale, Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	$lbs{\cdot}ft^3$	-	26	708 lbs/yd^3
Solids	%	100.0	64.3	1286 lbs/ton
Moisture	%	0.0	35.7	86 gals/ton
est. water holding capacity	%	216	68	164 gals/ton
Inert and Oversize Matter	%	~	18.3	366.0 lbs/ton
pH (paste, H_2O)	$-\log H^+$	~	7.74	MedHigh
Free Carbonates (CO_3)	Rating	~	2	Med-High
Volatile Organic Acids	ppm	1244	800	M Low
Organic Matter	%	69.4	44.6	892 lbs/ton
Conductivity	$mmhos{\cdot}cm^{-1}$	~	8.6	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	18.7	18.7	Medium
Respiration Rate/day	C% of Total-C	1.43	1.43	-
Carbon loss per day	% of total weight	0.54	0.34	6.9 lbs/ton
Dewar Self-Heating	°C rise	~	31	Grade II
Seedling Response Assay, Percent of Control				
Latuca sativa Germination	%	~	78	Not Plant-toxic
Latuca sativa Weight	%	~	43	Low
Lepedium sativum Germination	%	~	98	Non-toxic
Lepedium sativum Weight	%	~	50	Fair
Solvita CO_2 Rate	(see chart)	~	4	Med-High
Solvita NH_3 Rate	(see chart)	~	4	Slight
Maturity Index	(see chart)	~	4	Med-Active

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

For explanation of data, see Woods End Laboratory Interpretation Sheet

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Code: x-Project: 605
Date Received : 03/30/2001
Date Reported : 05/02/2001
Lab ID Number : 4891.1

MINERALS ANALYSIS

Sample Identification: NMS Day 21 Bench-Scale, Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	2.007	1.291	25.8
Organic-Nitrogen	%	1.750	1.125	22.5
Phosphorus (P)	%	0.436	0.280	5.6
Potassium (K)	%	0.336	0.216	4.3
Sodium (Na)	%	0.580	0.373	7.5
Calcium (Ca)	%	3.020	1.942	38.8
Magnesium (Mg)	%	0.264	0.170	3.4
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	2565	1649	3.3
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	7306	4698	9.40
Sulfate (SO_4-S)	ppm	6901	4438	8.88

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Code: x-Project: 605

Date Received : 03/30/2001
Date Reported : 05/02/2001
Lab ID Number : 4891.1

METALS ANALYSIS

Sample Identification: NMS Day 21 Bench-Scale, Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	116.0	74.6	0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	464.0	298.4	0.6
Iron (Fe)	$mg \cdot kg^{-1}$	11160.0	7175.9	14.4
Zinc (Zn)	$mg \cdot kg^{-1}$	608.0	390.9	0.8
Lead (Pb)	$mg \cdot kg^{-1}$	220.4	141.7	0.3
Chromium (Cr)	$mg \cdot kg^{-1}$	39.6	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	3.6	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	57.6	37.0	0.1
BACTERIOLOGIC ANALYSIS				
Fecal coliform EPA503	MPN per g	< 3.0	-	
Total *Salmonella* EPA503	MPN per 4g	< 1.2	-	

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
< signifies *less than MLD* (minimum level of detection) for the particular factor tested
‡ = EPA reporting requires dry basis only

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Code: x Project: n/a
Date Received : 04/30/2001
Date Reported : 06/04/2001
Lab ID Number : 4931.0
Quality Checked : WD 6/4/01

COMPOSITION ANALYSIS

Sample Identification: NMS Day 59, WERL Cure

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	$lbs{\cdot}ft^3$	-	29	775 lbs/yd^3
Solids	%	100.0	76.5	1530 lbs/ton
Moisture	%	0.0	23.5	56 gals/ton
est. water holding capacity	%	223	69	166 gals/ton
Inert and Oversize Matter	%	~	7.5	150.0 lbs/ton
pH (paste, H_2O)	$-\log H^+$	~	7.47	Med-Ideal
Free Carbonates (CO_3)	Rating	~	1	None
Volatile Organic Acids	ppm	1046	800	M Low
Organic Matter	%	72.0	55.1	1102 lbs/ton
Conductivity	$mmhos{\cdot}cm^{-1}$	~	7.8	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	25.9	25.9	Med-High
Respiration Rate/day ... C% of Total-C		3.23	3.23	-
Carbon loss per day ... % of total weight		1.25	0.96	19.2 lbs/ton
Dewar Self-Heating	°C rise	~	40	Grade II
Seedling Response Assay, Percent of Control				
Latuca sativa Germination	%	~	7	Extr. Plant Toxic
Latuca sativa Weight	%	~	1	V. Poor
Lepedium sativum Germination	%	~	88	Non-toxic
Lepedium sativum Weight	%	~	42	Low
Solvita CO_2 Rate	(see chart)	~	2	V. High
Solvita NH_3 Rate	(see chart)	~	4	Slight
Maturity Index	(see chart)	~	2	Very Immature

Notes: ppm = mg/kg < = less than MLD (minimum level of detection), nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Code: x-Project: n/a
Date Received : 04/30/2001
Date Reported : 06/04/2001
Lab ID Number : 4931.0

MINERALS ANALYSIS

Sample Identification: NMS Day 59, WERL Cure

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	1.503	1.150	23.0
Organic-Nitrogen	%	1.279	0.978	19.6
Phosphorus (P)	%	0.424	0.324	6.5
Potassium (K)	%	0.296	0.226	4.5
Sodium (Na)	%	0.560	0.428	8.6
Calcium (Ca)	%	2.640	2.020	40.4
Magnesium (Mg)	%	0.388	0.297	5.9
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	2243	1716	3.4
Nitrate-N	ppm	<2	< 2	nd
Nitrite-N	ppm	<2	< 2	nd
Chloride (Cl)	ppm	6350	4858	9.72
Sulfate (SO_4-S)	ppm	4034	3086	6.17

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Date Received : 04/30/2001
Date Reported : 06/04/2001
Lab ID Number : 4931.0

METALS ANALYSIS

Sample Identification: NMS Day 59, WERL Curc

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	150.8	115.4	0.2
Manganese (Mn)	$mg \cdot kg^{-1}$	428.0	327.4	0.7
Iron (Fe)	$mg \cdot kg^{-1}$	12120.0	9271.8	18.5
Zinc (Zn)	$mg \cdot kg^{-1}$	568.0	434.5	0.9
Lead (Pb)	$mg \cdot kg^{-1}$	239.6	183.3	0.4
Chromium (Cr)	$mg \cdot kg^{-1}$	40.8	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	4.0	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	57.6	44.1	0.1

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
< signifies *less than MLD* (minimum level of detection) for the particular factor tested
‡ = EPA reporting requires dry basis only

NMS Day 59 WERL Cure

Woods End® Research Laboratory INCORPORATED

Certificate of Analysis

Total Metals - Method EPA 6020/200.8

Sample Name:	4931.0	**Analyte**	**Result**	**Units**	**PQL**	**Method**
Sample Location:		Arsenic	4.6	mg/Kg	1.0	EPA 6020
Sampling Date:	8/16/2001	Mercury	1.0	mg/Kg	0.1	EPA 7471A
Sampling Time:	15:00	Molybdenum	5.5	mg/Kg	1.0	EPA 6020
Date Received:	8/17/2001	Selenium	1.4	mg/Kg	1.0	EPA 6020
Lab #:	01X1007-01	Boron	37.0	mg/Kg	10.0	EPA 6020
Matrix:	SOIL	Cobalt	4.2	mg/Kg	1.0	EPA 6020
Analysis Date:	8/23/2001					
% Solid:	78.4					

Lab Supervisor:

Report Date: 04-Sep-01

ND Not Detected **PQL** Practical Quantitation Limit

Metals Report

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Code: x Project: 605
Date Received : 05/11/2001
Date Reported : 06/20/2001
Lab ID Number : 4945.0
Quality Checked : WD 6/29/01

COMPOSITION ANALYSIS

Sample Identification: NMS Day 70, WERL Cure

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	$lbs{\cdot}ft^3$	-	37	994 lbs/yd^3
Solids	%	100.0	55.9	1118 lbs/ton
Moisture	%	0.0	44.1	106 gals/ton
est. water holding capacity	%	202	67	160 gals/ton
Inert and Oversize Matter	%	~	6.7	134.0 lbs/ton
pH (paste, H_2O)	$-logH^+$	~	7.38	Med-Ideal
Free Carbonates (CO_3)	Rating	~	2	Med-High
Volatile Organic Acids	ppm	1431	800	M Low
Organic Matter	%	64.3	35.9	718 lbs/ton
Conductivity	$mmhos{\cdot}cm^{-1}$	~	7.6	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	17.9	17.9	Medium
Respiration Rate/day	C% of Total-C	1.77	1.77	-
Carbon loss per day	% of total weight	0.61	0.34	6.9 lbs/ton
Seedling Response Assay, Percent of Control				
Lepedium sativum Germination	%	~	98	No Phytotoxicity
Lepedium sativum Weight	%	~	36	Low
Solvita CO_2 Rate	(see chart)	~	3	High
Solvita NH_3 Rate	(see chart)	~	4	Slight
Maturity Index	(see chart)	~	3	Immature

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Code: x-Project: 605

Date Received : 05/11/2001
Date Reported : 06/20/2001
Lab ID Number : 4945.0

MINERALS ANALYSIS

Sample Identification: NMS Day 70, WERL Cure

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	1.937	1.083	21.7
Organic-Nitrogen	%	1.931	1.080	21.6
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	55	31	0.1
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	7350	4109	8.22
Sulfate (SO_4-S)	ppm	3051	1705	3.41

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Code: x Project: 605
Date Received : 05/21/2001
Date Reported : 07/02/2001
Lab ID Number : 4958.0
Quality Checked : WO 7/2/01

COMPOSITION ANALYSIS

Sample Identification: NMS Day 80, WERL Cure

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	$lbs{\cdot}ft^3$	-	34	910 lbs/yd^3
Solids	%	100.0	54.4	1088 lbs/ton
Moisture	%	0.0	45.6	109 gals/ton
est. water holding capacity	%	188	65	157 gals/ton
Inert and Oversize Matter	%	~	8.5	170.0 lbs/ton
pH (paste, H_2O)	$-\log H^+$	~	7.41	Med-Ideal
Free Carbonates (CO_3)	Rating	~	1	None
Volatile Organic Acids	ppm	1285	699	M Low
Organic Matter	%	59.3	32.2	645 lbs/ton
Conductivity	$mmhos{\cdot}cm^{-1}$	~	7.0	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	13.2	13.2	M. Low
Respiration Rate/day	C% of Total-C	0.95	0.95	-
Carbon loss per day	% of total weight	0.30	0.17	3.3 lbs/ton
Dewar Self-Heating	°C rise	~	20	Grade IV
Seedling Response Assay, Percent of Control				
Lepedium sativum Germination	%	~	95	No Phytotoxicity
Lepedium sativum Weight	%	~	50	Fair
Solvita CO_2 Rate	(see chart)	~	3	High
Solvita NH_3 Rate	(see chart)	~	5	Absent
Maturity Index	(see chart)	~	3	Immature

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Date Received : 05/21/2001
Date Reported : 07/02/2001
Lab ID Number : 4958.0

MINERALS ANALYSIS

Sample Identification: NMS Day 80, WERL Cure

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	2.427	1.320	26.4
Organic-Nitrogen	%	2.416	1.314	26.3
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	112	61	0.1
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	7393	4022	8.04
Sulfate (SO_4-S)	ppm	4158	2262	4.52

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Code: snyx Project: 605
Date Received : 06/01/2001
Date Reported : 07/09/2001
Lab ID Number : 4968.0
Quality Checked : WO 7/9/01

COMPOSITION ANALYSIS

Sample Identification: NMS Day 91, WERL Curc

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	lbs·ft^3	-	37	1011 lbs/yd^3
Solids	%	100.0	47.0	940 lbs/ton
Moisture	%	0.0	53.0	127 gals/ton
est. water holding capacity	%	188	65	156 gals/ton
Inert and Oversize Matter	%	~	8.5	170.0 lbs/ton
pH (paste, H_2O)	-logH^+	~	8.21	High
Free Carbonates (CO_3)	Rating	~	2	Med-High
Volatile Organic Acids	ppm	744	350	M Low
Organic Matter	%	59.2	27.8	556 lbs/ton
Conductivity	*mmhos*·cm^{-1}	~	9.3	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	13.2	13.2	M. Low
Respiration Rate/day ...	C% of Total-C	0.60	0.60	-
Carbon loss per day ...	% of total weight	0.19	0.09	1.8 lbs/ton
Seedling Response Assay, Percent of Control				
Lepedium sativum Germination	%	~	95	No Phytotoxicity
Lepedium sativum Weight	%	~	57	Fair
Solvita CO_2 Rate	(see chart)	~	5	Medium
Solvita NH_3 Rate	(see chart)	~	5	Absent
Maturity Index	(see chart)	~	5	Late-Active

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Date Received : 06/01/2001
Date Reported : 07/09/2001
Lab ID Number : 4968.0

MINERALS ANALYSIS

Sample Identification: NMS Day 91, WERL Cure

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	2.421	1.138	22.8
Organic-Nitrogen	%	2.341	1.100	22.0
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	793	373	0.7
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	7285	3424	6.85
Sulfate (SO_4-S)	ppm	3808	1790	3.58

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Code: snyx Project: 605
Date Received : 06/15/2001
Date Reported : 07/17/2001
Lab ID Number : 4985.0
Quality Checked : WD 7/17/01

COMPOSITION ANALYSIS

Sample Identification: NMS Day 105, WERL Cure

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	lbs·ft^3	-	41	1112 lbs/yd^3
Solids	%	100.0	45.9	918 lbs/ton
Moisture	%	0.0	54.1	130 gals/ton
est. water holding capacity	%	158	61	147 gals/ton
Inert and Oversize Matter	%	~	7.7	154.0 lbs/ton
pH (paste, H_2O)	-logH^+	~	8.03	MedHigh
Free Carbonates (CO_3)	Rating	~	3	V High
Volatile Organic Acids	ppm	1090	500	M Low
Organic Matter	%	48.5	22.3	446 lbs/ton
Conductivity	*mmhos*·cm^{-1}	~	6.3	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	9.8	9.8	V. Low
Respiration Rate/day ... C% of Total-C		0.69	0.69	-
Carbon loss per day ... % of total weight		0.18	0.08	1.7 lbs/ton
Seedling Response Assay, Percent of Control				
Lepedium sativum Germination	%	~	83	Slight Phytotoxicity
Lepedium sativum Weight	%	~	49	Low
Solvita CO_2 Rate	(see chart)	~	6	Med-Low
Solvita NH_3 Rate	(see chart)	~	4	Slight
Maturity Index	(see chart)	~	6	Active-Curing

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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Date Received : 06/15/2001
Date Reported : 07/17/2001
Lab ID Number : 4985.0

MINERALS ANALYSIS

Sample Identification: NMS Day 105, WERL Cure

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	2.667	1.224	24.5
Organic-Nitrogen	%	2.554	1.173	23.5
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	1123	515	1.0
Nitrate-N	ppm	<2	< 1	nd
Nitrite-N	ppm	<2	< 1	nd
Volatile N as % of total-N	w:w	~	0.3	-
Chloride (Cl)	ppm	6841	3140	6.28
Sulfate (SO_4-S)	ppm	3771	1731	3.46

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Account: 556
· attn: Venetia Lannon
· DOS Waste Prev. Reuse and Recycling
· 44 Beaver Street-8th floor
· New York NY 10004

Code: Ssncyvdx Project: 605
Date Received : 07/05/2001
Date Reported : 08/07/2001
Lab ID Number : 5005.0
Quality Checked : WD 8/7/01

COMPOSITION ANALYSIS

Sample Identification: NMS Day 125, WERL Cure

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	lbs·ft^3	-	41	1112 lbs/yd^3
Solids	%	100.0	44.8	896 lbs/ton
Moisture	%	0.0	55.2	132 gals/ton
est. water holding capacity	%	182	65	155 gals/ton
Inert and Oversize Matter	%	~	10.7	214.0 lbs/ton
pH (paste, H_2O)	-logH^+	~	7.08	Med-Ideal
Free Carbonates (CO_3)	Rating	~	2	Med-High
Volatile Organic Acids	ppm	4128	1849	Medium
Organic Matter	%	57.2	25.6	512 lbs/ton
Conductivity	*mmhos*·cm^{-1}	~	8.3	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	12.6	12.6	M. Low
Respiration Rate/day	C% of Total-C	0.45	0.45	-
Carbon loss per day	% of total weight	0.14	0.06	1.2 lbs/ton
Dewar Self-Heating	°C rise	~	6	Grade V
Seedling Response Assay, Percent of Control				
Lepedium sativum Germination	%	~	66	Phytotoxic
Lepedium sativum Weight	%	~	83	Excellent
Solvita CO_2 Rate	(see chart)	~	6	Med-Low
Solvita NH_3 Rate	(see chart)	~	5	Absent
Maturity Index	(see chart)	~	6	Active-Curing

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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· New York NY 10004

Date Received : 07/05/2001
Date Reported : 08/07/2001
Lab ID Number : 5005.0

MINERALS ANALYSIS

Sample Identification: NMS Day 125, WERL Cure

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	2.455	1.100	22.0
Organic-Nitrogen	%	2.252	1.009	20.2
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	287	129	0.3
Nitrate-N	ppm	439	196	0.4
Nitrite-N	ppm	1300	582	-
Chloride (Cl)	ppm	6842	3065	6.13
Sulfate (SO_4-S)	ppm	4990	2235	4.47

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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· New York NY 10004

Code: CScyvdx Project: 605
Date Received : 07/27/2001
Date Reported : 09/18/2001
Lab ID Number : 5035.0
Quality Checked : WD 9/19/01

COMPOSITION ANALYSIS

Sample Identification: NMS Day 147 WERL Cure (<3/8"), Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	lbs·ft^3	-	42	1129 lbs/yd^3
Solids	%	100.0	45.7	914 lbs/ton
Moisture	%	0.0	54.3	130 gals/ton
est. water holding capacity	%	171	63	151 gals/ton
Inert and Oversize Matter	%	~	7.0	140.0 lbs/ton
pH (paste, H_2O)	-logH^+	~	7.27	Med-Ideal
Free Carbonates (CO_3)	Rating	~	3	V High
Volatile Organic Acids	ppm	656	300	M Low
Organic Matter	%	52.9	24.2	484 lbs/ton
Conductivity	*mmhos*·cm^{-1}	~	8.9	Med-High
Carbon:Nitrogen (C:N) Ratio	w:w	13.9	13.9	M. Low
Respiration Rate/day	C% of Total-C	0.19	0.19	-
Carbon loss per day	% of total weight	0.05	0.02	0.5 lbs/ton
Dewar Self-Heating	°C rise	~	1	Grade V
Seedling Response Assay, Percent of Control				
Lepedium sativum Germination	%	~	103	No Phytotoxicity
Lepedium sativum Weight	%	~	67	Fair
Solvita CO_2 Rate	(see chart)	~	6	Med-Low
Solvita NH_3 Rate	(see chart)	~	5	Absent
Maturity Index	(see chart)	~	6	Active-Curing

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

†For explanation of data, see Woods End Laboratory Interpretation Sheet

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· New York NY 10004

Code: CScyvdx–Project: 605

Date Received : 07/27/2001
Date Reported : 09/18/2001
Lab ID Number : 5035.0

MINERALS ANALYSIS

Sample Identification: NMS Day 147 WERL Cure (<3/8"), Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	2.063	0.943	18.9
Organic-Nitrogen	%	1.883	0.861	17.2
Phosphorus (P)	%	0.260	0.119	2.4
Potassium (K)	%	0.316	0.144	2.9
Sodium (Na)	%	0.580	0.265	5.3
Calcium (Ca)	%	3.960	1.810	36.2
Magnesium (Mg)	%	0.352	0.161	3.2
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	11	5	0.0
Nitrate-N	ppm	1783	815	1.6
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	4811	2199	4.40
Sulfate (SO_4-S)	ppm	3287	1502	3.00

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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Code: CScyvdx–Project: 605

Date Received : 07/27/2001
Date Reported : 09/18/2001
Lab ID Number : 5035.0

METALS ANALYSIS

Sample Identification: NMS Day 147 WERL Cure (<3/8"), Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	164.0	74.9	0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	520.0	237.6	0.5
Iron (Fe)	$mg \cdot kg^{-1}$	4640.0	2120.5	4.2
Zinc (Zn)	$mg \cdot kg^{-1}$	468.0	213.9	0.4
Lead (Pb)	$mg \cdot kg^{-1}$	170.0	77.7	0.2
Chromium (Cr)	$mg \cdot kg^{-1}$	44.8	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	5.6	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	45.2	-	-
Arsenic (As)	$mg \cdot kg^{-1}$	2.9	-	-
Mercury (Hg)	$mg \cdot kg^{-1}$	1.1	-	-
Molybdenum (Mo)	$mg \cdot kg^{-1}$	3.86	-	-
Selenium (Se)	$mg \cdot kg^{-1}$	1.8	-	-
BACTERIOLOGIC ANALYSIS				
Fecal coliform EPA503	MPN per g	< 2	-	
Total *Salmonella* EPA503	MPN per 4g	< 1.9	-	

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
< signifies *less than MLD* (minimum level of detection) for the particular factor tested
‡ = EPA reporting requires dry basis only

NMS Day 147 WERL Cure (<3/8")
Sample A & Sample B

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Certificate of Analysis

Total Metals - Method EPA 6020/200.8

Sample Name:	5035.0
Sample Location:	
Sampling Date:	8/6/2001
Sampling Time:	14:00
Date Received:	8/7/2001
Lab #:	01X0935-01
Matrix:	SOIL
Analysis Date:	8/15/2001
% Solid:	67.9

Analyte	Result	Units	PQL	Method
Arsenic	2.9	mg/Kg	1.0	EPA 6020
Mercury	1.1	mg/Kg	0.1	EPA 7471A
Molybdenum	3.86	mg/Kg	1.0	EPA 6020
Selenium	1.8	mg/Kg	1.0	EPA 6020
Boron	27.2	mg/Kg	10.0	EPA 6020
Cobalt	3.4	mg/Kg	1.0	EPA 6020

Sample Name:	5035.1
Sample Location:	
Sampling Date:	8/6/2001
Sampling Time:	14:00
Date Received:	8/7/2001
Lab #:	01X0935-02
Matrix:	SOIL
Analysis Date:	8/15/2001
% Solid:	67.7

Analyte	Result	Units	PQL	Method
Arsenic	2.9	mg/Kg	1.0	EPA 6020
Mercury	1.1	mg/Kg	0.1	EPA 7471A
Molybdenum	4.56	mg/Kg	1.0	EPA 6020
Selenium	1.5	mg/Kg	1.0	EPA 6020
Boron	29.2	mg/Kg	10.0	EPA 6020
Cobalt	3.8	mg/Kg	1.0	EPA 6020

ND Not Detected PQL Practical Quantitation Limit Metals Report

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New York NY 10004

Code: CScyvdx Project: 605
Date Received : 07/27/2001
Date Reported : 09/18/2001
Lab ID Number : 5035.1
Quality Checked : WO 9/19/01

COMPOSITION ANALYSIS

Sample Identification: Day 147 WERL Cure (<3/8"), Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY	lbs·ft^3	-	39	1062 lbs/yd^3
Solids	%	100.0	50.3	1006 lbs/ton
Moisture	%	0.0	49.7	119 gals/ton
est. water holding capacity	%	173	63	152 gals/ton
Inert and Oversize Matter	%	~	5.3	106.0 lbs/ton
pH (paste, H_2O)	-logH^+	~	7.32	Med-Ideal
Free Carbonates (CO_3)	Rating	~	3	V High
Volatile Organic Acids	ppm	596	300	M Low
Organic Matter	%	53.7	27.0	540 lbs/ton
Conductivity	*mmhos*·cm^{-1}	~	806.0	V. High
Carbon:Nitrogen (C:N) Ratio	w:w	12.0	12.0	M. Low
Respiration Rate/day	C% of Total-C	0.22	0.22	-
Carbon loss per day	% of total weight	0.06	0.03	0.7 lbs/ton
Dewar Self-Heating	°C rise	~	1	Grade V
Seedling Response Assay, Percent of Control				
Lepedium sativum Germination	%	~	103	No Phytotoxicity
Lepedium sativum Weight	%	~	69	Fair
Solvita CO_2 Rate	(see chart)	~	6	Med-Low
Solvita NH_3 Rate	(see chart)	~	5	Absent
Maturity Index	(see chart)	~	6	Active-Curing

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

For explanation of data, see Woods End Laboratory Interpretation Sheet

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· New York NY 10004

Code: CScyvdx–Project: 605
Date Received : 07/27/2001
Date Reported : 09/18/2001
Lab ID Number : 5035.1

MINERALS ANALYSIS

Sample Identification: NMS Day 147 WERL Cure (<3/8"), Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Total Mineral Nutrients				
Total Nitrogen	%	2.408	1.211	24.2
Organic-Nitrogen	%	2.215	1.114	22.3
Phosphorus (P)	%	0.192	0.097	1.9
Potassium (K)	%	0.292	0.147	2.9
Sodium (Na)	%	0.500	0.252	5.0
Calcium (Ca)	%	3.800	1.911	38.2
Magnesium (Mg)	%	0.292	0.147	2.9
Soluble Nutrients				
Ammonium-N (NH_4-N)	ppm	10	5	0.0
Nitrate-N	ppm	1919	965	1.9
Nitrite-N	ppm	<2	< 1	nd
Chloride (Cl)	ppm	4936	2483	4.97
Sulfate (SO_4-S)	ppm	3667	1845	3.69

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected

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· New York NY 10004

Date Received : 07/27/2001
Date Reported : 09/18/2001
Lab ID Number : 5035.1

METALS ANALYSIS

Sample Identification: NMS Day 147 WERL Cure (<3/8"), Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
Copper (Cu)	$mg \cdot kg^{-1}$	148.0	74.4	0.1
Manganese (Mn)	$mg \cdot kg^{-1}$	520.0	261.6	0.5
Iron (Fe)	$mg \cdot kg^{-1}$	3880.0	1951.6	3.9
Zinc (Zn)	$mg \cdot kg^{-1}$	460.0	231.4	0.5
Lead (Pb)	$mg \cdot kg^{-1}$	181.6	91.3	0.2
Chromium (Cr)	$mg \cdot kg^{-1}$	44.0	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	4.8	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	44.0	-	-
Arsenic (As)	$mg \cdot kg^{-1}$	2.9	-	-
Mercury (Hg)	$mg \cdot kg^{-1}$	1.1	-	-
Molybdenum (Mo)	$mg \cdot kg^{-1}$	4.56	-	-
Selenium (Se)	$mg \cdot kg^{-1}$	1.5	-	-
BACTERIOLOGIC ANALYSIS				
Fecal coliform EPA503	MPN per g	< 2	-	
Total *Salmonella* EPA503	MPN per 4g	< 1.6	-	

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
< signifies *less than MLD* (minimum level of detection) for the particular factor tested
‡ = EPA reporting requires dry basis only

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Account: 556 Code: x-Project: 605
· attn: Venetia Lannon
· DOS Waste Prev. Reuse and Recycling
· 44 Beaver Street-8th floor
· New York NY 10004

Date Received : 05/21/2001
Date Reported : 07/02/2001
Lab ID Number : 4958.0

SUPPLEMENTAL ANALYSIS

Sample Identification: NMS Day 80, WERL Cure

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
BACTERIOLOGIC ANALYSIS				
Fecal coliform EPA503	MPN per g	50	-	
Total *Salmonella* EPA503	MPN per 4g	< 0.2	-	

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
< signifies *less than MLD* (minimum level of detection) for the particular factor tested
‡ = EPA reporting requires dry basis only

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Account: 556 — Code: Ssncyvdx–Project: 605
· attn: Venetia Lannon
· DOS Waste Prev. Reuse and Recycling — Date Received : 07/05/2001
· 44 Beaver Street-8th floor — Date Reported : 08/07/2001
· New York NY 10004 — Lab ID Number : 5005.0

SUPPLEMENTAL ANALYSIS

Sample Identification: NMS Day 125, WERL Cure

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
BACTERIOLOGIC ANALYSIS				
Fecal coliform EPA503	MPN per g	< 4.3	-	
Total *Salmonella* EPA503	MPN per 4g	< 1.7	-	

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
< signifies *less than MLD* (minimum level of detection) for the particular factor tested
‡ = EPA reporting requires dry basis only

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NMS Day 21, Sample A

Sample Matrix: COMPOST
Sample Description: 4888.0
Sample Type: Unknown

Parameter	Result	Unit	Detection Limit	Method	Preparation Date	Analysis Date	Analyst
PCB in solids						04/10/01	
TCMX	102	%	40	EPA 8082	04/04/01	04/10/01	KAP
DCB (Surrogate)	98	%	40	EPA 8082	04/04/01	04/10/01	KAP
AROCLOR 1016	Not Detected	mg/Kg	1.2	EPA 8082	04/04/01	04/10/01	KAP
AROCLOR 1221	Not Detected	mg/Kg	1.2	EPA 8082	04/04/01	04/10/01	KAP
AROCLOR 1232	Not Detected	mg/Kg	1.2	EPA 8082	04/04/01	04/10/01	KAP
AROCLOR 1242	Not Detected	mg/Kg	1.2	EPA 8082	04/04/01	04/10/01	KAP
AROCLOR 1248	Not Detected	mg/Kg	1.2	EPA 8082	04/04/01	04/10/01	KAP
AROCLOR 1254	Not Detected	mg/Kg	1.2	EPA 8082	04/04/01	04/10/01	KAP
AROCLOR 1260	Not Detected	mg/Kg	1.2	EPA 8082	04/04/01	04/10/01	KAP
Arsenic Total	<4.4	mg/Kg	4.4	EPA 6010B	04/11/01	04/12/01	MRB
Fecal Coliform 503 MPN	4.2	MPN/g DW	4.2	SM9221E.1	03/31/01		BAG
Mercury Total	0.98	mg/Kg	0.02	EPA 7471A	04/05/01	04/05/01	BW
Molybdenum Total	20	mg/Kg	11	EPA 6010B	04/11/01	04/12/01	MRB
Salmonella 503 MPN	<1.7	MPN/4g DW	1.7	SM9260D.1	03/31/01		BAG
Selenium Total	17	mg/Kg	9.2	EPA 6010B	04/11/01	04/12/01	MRB
Solids, Percent	48	%	0.01	SM 2540G	04/06/01	04/06/01	CAH

Comments:

Duplicate Confirmation

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NMS Day 21, Sample B

Sample Matrix: COMPOST
Sample Description: 4888.1
Sample Type: Unknown

Parameter	Result	Unit	Detection Limit	Method	Preparation Date	Analysis Date	Analyst
PCB in solids						04/10/01	
DCB (Surrogate)	86	%	40	EPA 8082	04/04/01	04/10/01	KAP
TCMX	92	%	40	EPA 8082	04/04/01	04/10/01	KAP
AROCLOR 1016	Not Detected	mg/Kg	1.3	EPA 8082	04/04/01	04/10/01	KAP
AROCLOR 1221	Not Detected	mg/Kg	1.3	EPA 8082	04/04/01	04/10/01	KAP
AROCLOR 1232	Not Detected	mg/Kg	1.3	EPA 8082	04/04/01	04/10/01	KAP
AROCLOR 1242	Not Detected	mg/Kg	1.3	EPA 8082	04/04/01	04/10/01	KAP
AROCLOR 1248	Not Detected	mg/Kg	1.3	EPA 8082	04/04/01	04/10/01	KAP
AROCLOR 1254	Not Detected	mg/Kg	1.3	EPA 8082	04/04/01	04/10/01	KAP
AROCLOR 1260	Not Detected	mg/Kg	1.3	EPA 8082	04/04/01	04/10/01	KAP
Arsenic Total	<4.1	mg/Kg	4.1	EPA 6010B	04/11/01	04/12/01	MRB
Fecal Coliform 503 MPN	60	MPN/g DW	4.0	SM9221E.1	03/31/01		BAG
Mercury Total	0.79	mg/Kg	0.02	EPA 7471A	04/05/01	04/05/01	BW
Molybdenum Total	20	mg/Kg	10	EPA 6010B	04/11/01	04/12/01	MRB
Salmonella 503 MPN	<1.6	MPN/4g DW	1.6	SM9260D.1	03/31/01		BAG
Selenium Total	13	mg/Kg	8.5	EPA 6010B	04/11/01	04/12/01	MRB
Solids, Percent	50	%	0.01	SM 2540G	04/06/01	04/06/01	CAH

Comments:

Duplicate Confirmation

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NMS Day 147 WERL Cure (<3/8")
Sample A & Sample B

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Certificate of Analysis

PCB's Method EPA 8082

Sample:	5035.0
Collect Date:	8/6/2001
Date Received:	8/7/2001
Lab Sample #	01X0935-01
Date Analyzed	8/13/2001
Date Extracted	8/8/2001
Surrogate(DCB) % Recovery	55.5 AR 30-150
g Sample Extracted	Percent Solids 67.9
Wt Basis	Dry wt Basis

Analyte	Result	Units	PQL
PCB 1242	ND	mg/Kg	0.2
PCB 1254	ND	mg/Kg	0.2
PCB 1232	ND	mg/Kg	0.2
PCB 1260	ND	mg/Kg	0.2
PCB 1248	ND	mg/Kg	0.2
PCB 1016	ND	mg/Kg	0.2
PCB 1221	ND	mg/Kg	0.2

Sample:	5035.1
Collect Date:	8/6/2001
Date Received:	8/7/2001
Lab Sample #	01X0935-02
Date Analyzed	8/13/2001
Date Extracted	8/8/2001
Surrogate(DCB) % Recovery	56.3 AR 30-150
g Sample Extracted	Percent Solids 67.7
Wt Basis	Dry wt Basis

Analyte	Result	Units	PQL
PCB 1242	ND	mg/Kg	0.2
PCB 1254	ND	mg/Kg	0.2
PCB 1232	ND	mg/Kg	0.2
PCB 1260	ND	mg/Kg	0.2
PCB 1248	ND	mg/Kg	0.2
PCB 1016	ND	mg/Kg	0.2
PCB 1221	ND	mg/Kg	0.2

PQL Practical Quantitation Limit

ND Not Detected (<PQL)

PCB Report

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NMS Primary Screen Overs (>2") Day 1-3, Sample A [#4856.2]

NMS Primary Screen Unders (<2") Day 1-3, Sample A& B [#4856.4 & #4856.5]

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Research Laboratory
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Certificate of Analysis

TCLP Metals - Method EPA 1311, 6020,7470A

Sample Name:	4856.2	Analyte	Result	Units	PQL	EPA MCL
Sample Location:	COMPOST	TCLP Arsenic	ND	ppm	0.05	5.0
Sampling Date:	4/16/2001	TCLP Barium	0.36	ppm	0.05	100
Sampling Time:	12:00	TCLP Cadmium	ND	ppm	0.05	1.0
Date Received:	4/18/2001	TCLP Chromium	0.05	ppm	0.05	5.0
Lab #:	01X0366-01	TCLP Mercury	ND	ppm	0.01	0.2
Matrix:	SOIL	TCLP Lead	0.13	ppm	0.05	5.0
Analysis Date:	4/20/2001	TCLP Selenium	ND	ppm	0.05	1.0
		TCLP Silver	ND	ppm	0.05	5.0

Sample Name:	4856.4	Analyte	Result	Units	PQL	EPA MCL
Sample Location:	COMPOST	TCLP Arsenic	ND	ppm	0.05	5.0
Sampling Date:	4/16/2001	TCLP Barium	0.42	ppm	0.05	100
Sampling Time:	12:00	TCLP Cadmium	ND	ppm	0.05	1.0
Date Received:	4/18/2001	TCLP Chromium	0.09	ppm	0.05	5.0
Lab #:	01X0366-02	TCLP Mercury	ND	ppm	0.01	0.2
Matrix:	SOIL	TCLP Lead	0.10	ppm	0.05	5.0
Analysis Date:	4/20/2001	TCLP Selenium	ND	ppm	0.05	1.0
		TCLP Silver	ND	ppm	0.05	5.0

Sample Name:	4856.5	Analyte	Result	Units	PQL	EPA MCL
Sample Location:	COMPOST	TCLP Arsenic	ND	ppm	0.05	5.0
Sampling Date:	4/16/2001	TCLP Barium	0.44	ppm	0.05	100
Sampling Time:	12:00	TCLP Cadmium	ND	ppm	0.05	1.0
Date Received:	4/18/2001	TCLP Chromium	0.10	ppm	0.05	5.0
Lab #:	01X0366-03	TCLP Mercury	ND	ppm	0.01	0.2
Matrix:	SOIL	TCLP Lead	0.08	ppm	0.05	5.0
Analysis Date:	4/20/2001	TCLP Selenium	ND	ppm	0.05	1.0
		TCLP Silver	ND	ppm	0.05	5.0

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NMS Primary Screen Overs (>2") Day 3-5, Sample A [#4858.0]

NMS Primary Screen Unders (<2") Day 3-5, Sample A & B [#4858.2 & #4858.3]

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Certificate of Analysis

TCLP Metals - Method EPA 1311, 6020,7470A

Sample Name:	4858.0	**Analyte**	**Result**	**Units**	**PQL**	**EPA MCL**
Sample Location:	COMPOST	TCLP Arsenic	ND	ppm	0.05	5.0
Sampling Date:	4/16/2001	TCLP Barium	0.26	ppm	0.05	100
Sampling Time:	12:00	TCLP Cadmium	ND	ppm	0.05	1.0
Date Received:	4/18/2001	TCLP Chromium	ND	ppm	0.05	5.0
Lab #:	01X0366-04	TCLP Mercury	ND	ppm	0.01	0.2
Matrix:	SOIL	TCLP Lead	ND	ppm	0.05	5.0
Analysis Date:	4/20/2001	TCLP Selenium	ND	ppm	0.05	1.0
		TCLP Silver	ND	ppm	0.05	5.0

Sample Name:	4858.2	**Analyte**	**Result**	**Units**	**PQL**	**EPA MCL**
Sample Location:	COMPOST	TCLP Arsenic	ND	ppm	0.05	5.0
Sampling Date:	4/16/2001	TCLP Barium	0.44	ppm	0.05	100
Sampling Time:	12:00	TCLP Cadmium	ND	ppm	0.05	1.0
Date Received:	4/18/2001	TCLP Chromium	0.05	ppm	0.05	5.0
Lab #:	01X0366-05	TCLP Mercury	ND	ppm	0.01	0.2
Matrix:	SOIL	TCLP Lead	ND	ppm	0.05	5.0
Analysis Date:	4/20/2001	TCLP Selenium	ND	ppm	0.05	1.0
		TCLP Silver	ND	ppm	0.05	5.0

Sample Name:	4858.3	**Analyte**	**Result**	**Units**	**PQL**	**EPA MCL**
Sample Location:	COMPOST	TCLP Arsenic	ND	ppm	0.05	5.0
Sampling Date:	4/16/2001	TCLP Barium	0.46	ppm	0.05	100
Sampling Time:	12:00	TCLP Cadmium	ND	ppm	0.05	1.0
Date Received:	4/18/2001	TCLP Chromium	0.06	ppm	0.05	5.0
Lab #:	01X0366-06	TCLP Mercury	ND	ppm	0.01	0.2
Matrix:	SOIL	TCLP Lead	ND	ppm	0.05	5.0
Analysis Date:	4/20/2001	TCLP Selenium	ND	ppm	0.05	1.0
		TCLP Silver	ND	ppm	0.05	5.0

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Account: 556
· Robert LaValva
· DOS Waste Prev. Reuse and Recycling
· 44 Beaver Street-8th floor
· New York NY 10004

Code: x Project: n/a
Date Received : 04/06/2001
Date Reported : 05/17/2001
Lab ID Number : 4905.0
Quality Checked : WD 5/17/01

TCLP METALS ANALYSIS

Sample Identification: NMS Half-Inch Overs (>1/2")

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
TCLP Arsenic	$mg \cdot kg^{-1}$	ND	–	–
TCLP Barium	$mg \cdot kg^{-1}$	0.65	–	–
TCLP Cadmium	$mg \cdot kg^{-1}$	ND	–	–
TCLP Chromium	$mg \cdot kg^{-1}$	ND	–	–
TCLP Mercury	$mg \cdot kg^{-1}$	ND	–	–
TCLP Lead	$mg \cdot kg^{-1}$	0.07	–	–
TCLP Selenium	$mg \cdot kg^{-1}$	ND	–	–
TCLP Silver	$mg \cdot kg^{-1}$	ND	–	–

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
< signifies *less than MLD* (minimum level of detection) for the particular factor tested
‡ = EPA reporting requires dry basis only

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Account: 556
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· New York NY 10004

Code: x Project: n/a
Date Received : 04/10/2001
Date Reported : 05/17/2001
Lab ID Number : 4907.0
Quality Checked : WD 5/17/01

TCLP METALS ANALYSIS

Sample Identification: NMS Final Facility 3/8" 'Overs' Sample A

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
TCLP Arsenic	$mg \cdot kg^{-1}$	ND	–	–
TCLP Barium	$mg \cdot kg^{-1}$	0.63	–	–
TCLP Cadmium	$mg \cdot kg^{-1}$	ND	–	–
TCLP Chromium	$mg \cdot kg^{-1}$	0.05	–	–
TCLP Mercury	$mg \cdot kg^{-1}$	ND	–	–
TCLP Lead	$mg \cdot kg^{-1}$	ND	–	–
TCLP Selenium	$mg \cdot kg^{-1}$	ND	–	–
TCLP Silver	$mg \cdot kg^{-1}$	ND	–	–

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
< signifies *less than MLD* (minimum level of detection) for the particular factor tested
‡ = EPA reporting requires dry basis only

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Account: 556
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· New York NY 10004

Code: x Project: n/a
Date Received : 04/10/2001
Date Reported : 05/17/2001
Lab ID Number : 4907.1
Quality Checked : WD 5/17/01

TCLP METALS ANALYSIS

Sample Identification: NMS Final Facility 3/8" 'Overs', Sample B

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton *as is*
TCLP Arsenic	$mg \cdot kg^{-1}$	ND	–	–
TCLP Barium	$mg \cdot kg^{-1}$	0.58	–	–
TCLP Cadmium	$mg \cdot kg^{-1}$	ND	–	–
TCLP Chromium	$mg \cdot kg^{-1}$	0.06	–	–
TCLP Mercury	$mg \cdot kg^{-1}$	ND	–	–
TCLP Lead	$mg \cdot kg^{-1}$	0.06	–	–
TCLP Selenium	$mg \cdot kg^{-1}$	ND	–	–
TCLP Silver	$mg \cdot kg^{-1}$	ND	–	–

Notes: $mg \cdot kg^{-1}$ = ppm (parts per million); MPN = most probable number
< signifies *less than MLD* (minimum level of detection) for the particular factor tested
‡ = EPA reporting requires dry basis only

NMS Day 147 WERL Cure Overs (>3/8")

Woods End® Research Laboratory INCORPORATED

Certificate of Analysis

TCLP Metals - Method EPA 1311, 6020,7470A

Sample Name:	5035.4
Sample Location:	
Sampling Date:	8/6/2001
Sampling Time:	14:00
Date Received:	8/7/2001
Lab #:	01X0935-05
Matrix:	SOIL
Analysis Date:	8/13/2001

Analyte	Result	Units	PQL	EPA MCL
TCLP Arsenic	ND	ppm	0.05	5.0
TCLP Barium	0.48	ppm	0.05	100
TCLP Cadmium	ND	ppm	0.05	1.0
TCLP Chromium	ND	ppm	0.05	5.0
TCLP Mercury	ND	ppm	0.01	0.2
TCLP Lead	ND	ppm	0.05	5.0
TCLP Selenium	ND	ppm	0.05	1.0
TCLP Silver	ND	ppm	0.05	5.0

Lab Supervisor: Wayne Davis

Report Date: 04-Sep-01

ND Not Detected PQL Practical Quantitation Limit
MCL Maximum Contaminant Level

TCLP Metals Report

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INERTS CHARACTERIZATION

Client:
attn: Venetia Lannon
DOS Waste Prev. Reuse and Recycling
44 Beaver Street-8th floor
New York NY 10004

Date: *8-Oct-01*
Project: 605
Acct# 556

Initials EE
Ref:

Lab No: 4856.2, -.3 Description: NMS Primary Screen Overs (>2"), Sample A

FRACTION: Over 0.25 "	LAB SORT	percent of whole
Glass	42	0.2%
Plastic-Hard	3637	18.1%
Plastic-Film	5450	27.2%
Metal	1034	5.2%
Textile, fibers	5512	27.5%
Paper	200	1.0%
Wood	691	3.4%
Stones	1	0.0%
Food, bone, shell	181	0.9%
Under 0.25 "	3303	16.5%
TOTAL WEIGHT	20051	100.0%

Lab No: 4858.0, -1 Description: NMS Primary Screen Overs (>2"), Sample B

FRACTION: Over 0.25 "	LAB SORT	percent of whole
Glass	120	0.5%
Plastic-Hard	2741	10.3%
Plastic-Film	11450	43.1%
Metal	983	3.7%
Textile, fibers	7378	27.8%
Paper	0	0.0%
Wood	1542	5.8%
Stones	40	0.2%
Food, bone, shell	5	0.0%
Under 0.25 "	2300	8.7%
TOTAL WEIGHT	26559	100.0%

10-08-01

Printed:

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INERTS CHARACTERIZATION

Client:
attn: Venetia Lannon
DOS Waste Prev. Reuse and Recycling
44 Beaver Street-8th floor
New York NY 10004

Date: *8-Oct-01*
Project: 605
Acct# 556

Initials EE
Ref:

Lab No: 4905.0 **Description: NMS Half-Inch Overs (>1/2")**

FRACTION: Over 0.25 "	LAB SORT	percent of whole
Glass	193	11.3%
Plastic-Hard	316	18.6%
Plastic-Film	374	22.0%
Metal	94	5.5%
Textile, fibers	59	3.5%
Paper	0	0.0%
Wood	40	2.4%
Stones	167	9.8%
Food	28	1.6%
Bone, shell, seeds	0	0.0%
Under 0.25 "	430	25.3%
TOTAL WEIGHT	1701	100.0%

Lab No: 4910.0 **Description: NMS Half-Inch Unders (<1/2")**

FRACTION: Over 0.25 "	LAB SORT	percent of whole
Glass	5	0.6%
Plastic-Hard	2	0.3%
Plastic-Film	4	0.4%
Metal	1	0.1%
Textile, fibers	4	0.5%
Paper	1	0.2%
Wood	1	0.1%
Stones	1	0.1%
Food	2	0.2%
Bone, shell, seeds	0	0.0%
Under 0.25 "	865	97.6%
TOTAL WEIGHT	886	100.0%

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INERTS CHARACTERIZATION

Client:
attn: Venetia Lannon
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44 Beaver Street-8th floor
New York NY 10004

Date: *27-Jul-01*
Project: 605
Acct# 556
Initials EE
Ref:

Lab No: **4907.2** **Description:** NMS Final Screen Unders (<3/8"), Sample A

Weight In, g: 911 0.55

FRACTION: Over 10mm	LAB SORT	dry weight, grams	percent of whole, dry basis	percent of over-10 mm, dry basis
Glass	0.0	0.0	0.00%	0.0%
Plastic-Hard	0.0	0.0	0.00%	0.0%
Plastic-Film	0.0	0.0	0.00%	0.0%
Metal	0.0	0.0	0.00%	0.0%
Textile, fibers	0.0	0.0	0.00%	0.0%
Paper	0.0	0.0	0.00%	0.0%
Wood	0.0	0.0	0.00%	0.0%
Stones	0.0	0.0	0.00%	0.0%
Bone, shell	0.0	0.0	0.00%	0.0%
Compost	0.0	0.0	0.00%	0.0%
TOTAL WEIGHT	0.0	0.0	0.0%	0.0%

Total Man-made Inerts Matter = 0.0%

Weight In, g: 911.10

FRACTION: Under 10mm	LAB SORT	dry weight, grams	percent of whole, dry basis	percent of under-10 mm dry basis
Glass	0.0	0.0	0.00%	0.0%
Plastic-Hard	1.0	1.0	0.20%	0.2%
Plastic-Film	0.4	0.4	0.08%	0.1%
Metal	0.1	0.1	0.02%	0.0%
Textile, fibers	2.1	1.2	0.23%	0.2%
Paper	2.9	1.6	0.32%	0.3%
Wood	0.5	0.3	0.05%	0.1%
Stones	0.0	0.0	0.00%	0.0%
Bone, shell	0.1	0.1	0.01%	0.0%
Compost + Fines	904.0	497.2	99.09%	99.1%
TOTAL WEIGHT	911.1	501.8	100.0%	100.0%

> 4mm

Total Man-made Inerts Matter = 0.5%

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INERTS CHARACTERIZATION

Client:
attn: Venetia Lannon
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44 Beaver Street-8th floor
New York NY 10004

Date: *27-Jul-01*
Project: 605
Acct# 556
Initials
Ref:

Lab No: **4907.3** **Description:** NMS Final Screen Unders (<3/8"), Sample B

Weight In, g: 686.00 0.55

FRACTION: Over 10mm	LAB SORT	dry weight, grams	percent of whole, dry basis	percent of over-10 mm, dry basis
Glass	0.0	0.0	0.00%	0.0%
Plastic-Hard	0.0	0.0	0.00%	0.0%
Plastic-Film	0.0	0.0	0.00%	0.0%
Metal	0.0	0.0	0.00%	0.0%
Textile, fibers	0.0	0.0	0.00%	0.0%
Paper	0.0	0.0	0.00%	0.0%
Wood	0.0	0.0	0.00%	0.0%
Stones	0.0	0.0	0.00%	0.0%
Bone, shell	0.0	0.0	0.00%	0.0%
Compost	0.0	0.0	0.00%	0.0%
TOTAL WEIGHT	0.0	0.0	0.0%	0.0%

Total Man-made Inerts Matter = 0.0%

Weight In, g: 665.80

FRACTION: Under 10mm	LAB SORT	dry weight, grams	percent of whole, dry basis	percent of under-10 mm dry basis
Glass	0.0	0.0	0.00%	0.0%
Plastic-Hard	0.7	0.7	0.19%	0.2%
Plastic-Film	0.2	0.2	0.05%	0.1%
Metal	0.0	0.0	0.00%	0.0%
Textile, fibers	1.6	0.9	0.24%	0.2%
Paper	2.2	1.2	0.33%	0.3%
Wood	0.1	0.1	0.02%	0.0%
Stones	0.0	0.0	0.00%	0.0%
Bone, shell	0.0	0.0	0.00%	0.0%
Compost + Fines	661.0	363.6	99.17%	99.2%
TOTAL WEIGHT	665.8	366.6	100.0%	100.0%

> 4mm

Total Man-made Inerts Matter = 0.5%

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INERTS CHARACTERIZATION

Client:
attn: Venetia Lannon
DOS Waste Prev. Reuse and Recycling
44 Beaver Street-8th floor
New York NY 10004

Date: *10-Apr-01*
Project: 605
Acct# 556

Initials EE
Ref:

Lab No: 4907.0 **Description:** NMS Final Facility Overs (>3/8"), Sample A

FRACTION: Over 0.25 "	LAB SORT	dry weight, grams	percent, dry basis
Glass	103	103	17.6%
Plastic-Hard	14	14	2.4%
Plastic-Film	0	0	0.0%
Metal	5	5	0.9%
Textile, fibers	248	114	19.5%
Paper	0	0	0.0%
Wood	9	4	0.7%
Stones	14	6	1.1%
Food	0	0	0.0%
Bone, shell, seeds	0	0	0.0%
Under 0.25 "	738	339	

Total Man-made Inerts > 1/4" = 40.3%

Lab No: 4907.1 **Description:** NMS Final Facility Overs (>3/8"), Sample B

FRACTION: Over 0.25 "	LAB SORT	dry weight, grams	percent, dry basis
Glass	68	68	15.6%
Plastic-Hard	6	6	1.4%
Plastic-Film	0	0	0.0%
Metal	0	0	0.0%
Textile, fibers	128	59	13.6%
Paper	0	0	0.0%
Wood	0	0	0.0%
Stones	10	10	2.3%
Food	0	0	0.0%
Bone, shell, seeds	0	0	0.0%
Under 0.25 "	634	292	

Total Man-made Inerts > 1/4" = 30.6%

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Woods End Research Laboratory, Inc.

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INERTS CHARACTERIZATION

Client:
attn: Venetia Lannon
DOS Waste Prev. Reuse and Recycling
44 Beaver Street-8th floor
New York NY 10004

Date: *9-Oct-01*
Project: 610
Acct# 556

Initials EE
Ref:

Lab No: 5119.0 **Description:** NYC Leaf Compost A

Weight In, g: 1043

FRACTION: Over 10mm	LAB SORT	dry weight, grams	percent of whole, dry basis	percent of over-10 mm, dry basis
Glass	0.0	0.0	0.00%	0.0%
Plastic-Hard	0.0	0.0	0.00%	0.0%
Plastic-Film	0.0	0.0	0.00%	0.0%
Metal	0.0	0.0	0.00%	0.0%
Textile, fibers	0.0	0.0	0.00%	0.0%
Paper	0.0	0.0	0.00%	0.0%
Wood	7.8	3.5	0.37%	7.5%
Stones	43.6	43.6	4.56%	92.5%
Bone, shell	0.0	0.0	0.00%	0.0%
Compost	0.0	0.0	0.00%	0.0%
TOTAL WEIGHT	51.4	47.1	4.9%	100.0%

Total Man-made Inerts Matter = 0.0%

Weight In, g: 1042.37

FRACTION: Under 10mm	LAB SORT	dry weight, grams	percent of whole, dry basis	percent of under-10 mm, dry basis
Glass	1.0	1.0	0.20%	0.2%
Plastic-Hard	1.0	1.0	0.20%	0.2%
Plastic-Film	0.0	0.0	0.00%	0.0%
Metal	0.0	0.0	0.00%	0.0%
Textile, fibers	0.0	0.0	0.00%	0.0%
Paper	0.0	0.0	0.00%	0.0%
Wood	58.0	26.1	5.11%	5.4%
Stones	70.0	70.0	13.71%	14.4%
Bone, shell	0.0	0.0	0.00%	0.0%
Compost + Fines	861.0	387.5	75.86%	79.8%
TOTAL WEIGHT	991.0	485.6	95.1%	100.0%

> 4mm

Total Man-made Inerts Matter = 0.4%

Printed: 10-23-01

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INERTS CHARACTERIZATION

Client:
attn: Venetia Lannon
DOS Waste Prev. Reuse and Recycling
44 Beaver Street-8th floor
New York NY 10004

Date: *9-Oct-01*
Project: 610
Acct# 556
Initials EE
Ref:

Lab No: 5119.1 **Description:** NYC Leaf Compost B

Weight In, g: 1309

FRACTION: Over 10mm	LAB SORT	dry weight, grams	percent of whole, dry basis	percent of over-10 mm, dry basis
Glass	0.0	0.0	0.00%	0.0%
Plastic-Hard	1.6	1.6	0.14%	4.0%
Plastic-Film	0.0	0.0	0.00%	0.0%
Metal	0.0	0.0	0.00%	0.0%
Textile, fibers	0.0	0.0	0.00%	0.0%
Paper	0.0	0.0	0.00%	0.0%
Wood	10.0	4.5	0.39%	11.2%
Stones	34.0	34.0	2.95%	84.8%
Bone, shell	0.0	0.0	0.00%	0.0%
Compost	0.0	0.0	0.00%	0.0%
TOTAL WEIGHT	45.6	40.1	3.5%	100.0%

Total Man-made Inerts Matter = 4.0%

Weight In, g: 774.27

FRACTION: Under 10mm	LAB SORT	dry weight, grams	percent of whole, dry basis	percent of under-10 mm, dry basis
Glass	0.0	0.0	0.00%	0.0%
Plastic-Hard	0.2	0.2	0.05%	0.1%
Plastic-Film	0.1	0.1	0.03%	0.0%
Metal	0.0	0.0	0.00%	0.0%
Textile, fibers	0.0	0.0	0.00%	0.0%
Paper	0.0	0.0	0.00%	0.0%
Wood	35.0	15.8	4.12%	4.3%
Stones	59.0	59.0	15.44%	16.0%
Bone, shell	0.0	0.0	0.00%	0.0%
Compost + Fines	653.0	293.9	76.88%	79.7%
TOTAL WEIGHT	747.3	368.9	96.5%	100.0%

> 4mm

Total Man-made Inerts Matter = 0.1%

Printed: 10-23-01