VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM A
ALL APPLICANTS

1. FACILITY OR APPLICANT INFORMATION

Facility Name or Applicant Name:	Bio-Nomic Services, Inc.
County/City:	Bedford County
Physical Location/ Address:	516 Rountree Rd, Charlotte, NC 28217
Mailing Address:	Same

2. OWNER INFORMATION

Owner Legal Name:	Bio-Nomic Services, Inc.
Mailing Address:	516 Rountree Road, Charlotte, NC 28217
Telephone Number:	704 529 0000
Email address:	pf@bio-nomic.com

3. OWNER CONTACT INFORMATION

Owner Contact Name:	Pete Fleetwood
Title:	President
Mailing Address:	516 Rountree Road, Charlotte, NC 28217
Telephone Number:	704-529-0000
Email address:	pf@bio-nomic.com

4. EXISTING PERMITS: (e.g., VPA, VPDES; VWP, RCRA; UIC; other)

Agency	Permit Type	Permit Number
VA DEQ	VPA Biosolids Land Application	VPA03013
VA DEQ	VPA Biosolids Land Application	VPA03021

5. NATURE OF BUSINESS: Waste Water Treatment. Biosolids Land Application

SIC Code(s):	7699		

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
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6. TYPE OF POLLUTANT MANAGEMENT ACTIVITY: *check the appropriate box(es)*

	Proposed	Existing
Animal Feeding Operations (complete Form B)	☐	☐
Industrial Waste (complete Form C & Form D: Parts D-V & D-VI)	☐	☐
Land Application of Municipal Effluent (complete Form D: Parts D-I & D-III)	☐	☐
Land Application of Biosolids/Sewage Sludge (complete Form D: Parts D-II, D-IV, D-V & D-VI; and Liability Requirements for Transport, Storage and Land Application of Biosolids Form)	☐	X
Reclamation and/or Distribution of Reclaimed Wastewater (Application Addendum)	☐	☐

7. GENERAL LOCATION MAP:

Provide a general location map which clearly identifies the location of the facility.

8. CONSENT TO RECEIVE AND CERTIFY RECEIPT OF ELECTRONIC MAIL:

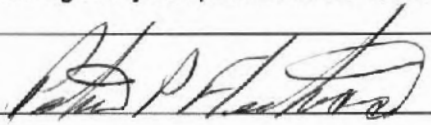
The Department of Environmental Quality (DEQ) may deliver permits, certifications and plan approvals to recipients, including applicants or permittees, by electronically certified mail where the recipients notify DEQ of their consent to receive mail electronically (§ 10.1-1183). Check only one of the following to consent to or decline receipt of electronic mail from DEQ as follows:

X Applicant or permittee agrees to receive by electronic mail the permit and any plan approvals associated with the permit that may be issued for the proposed pollutant management activity, and to certify receipt of such electronic mail when requested by the DEQ.

☐ Applicant or permittee declines to receive by electronic mail the permit and any plan approvals associated with the permit that may be issued for the proposed pollutant management activity.

9. SIGNATURE AND CERTIFICATION STATEMENT:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. I further certify that I am an authorized signatory as specified in the VPA Permit Regulation (9VAC25-32).

Signature:		Date:	6/20/2016
Printed Name:	Peter P. Fleetwood		
Title:	President		

Land Application of Biosolids, Form D

Part D-II

1. Bio-Nomic Services, Inc.
   516 Rountree Road
   Charlotte, NC 28217

2. Bio-Nomic Services is applying for a Virginia Department of Environmental Quality VPA permit to apply publically owned waste water treatment plant biosolids to farmland located in Bedford County Virginia. The permit application is to increase the acreage base to VA DEQ Permit VPA 03013 for land application of biosolids.
   a. The biosolids will be generated by the Western Virginia Water Authority (WVWA) waste water plant VPDES Permit VA 0025020 located at 512 Brownlee Avenue, Roanoke, VA 24014. No other sources will be included in this permit application.
      1) VPDES Permit # 0025020 biosolids are currently approved for land application on the existing VPA permit 03013.
      2) The biosolids are residuals of the aerobic treatment of waste water collected in Roanoke and vicinity by WVWA.

      The residuals from the aerobic treatment of waste water are an-aerobically digested to provide additional treatment to reduce the volatile components of the residuals.
      The biosolids after digestion are pumped to storage lagoons located on site for decanting and subsequent transport to land application sites to be used as agricultural nutritional supplements. The biosolids are maintained in the storage lagoons for at least 1 year for additional stabilization. The on-site storage capacity at the WVWA plant is 52 million gallons.
      Prior to land application, the biosolids in the lagoon to be land applied are isolated from any additional inflow from the digesters and analyzed for Pathogens, Vector Attraction Reduction, and Chemical components to insure compliance with Land Application regulations. The resulting biosolids meet all of the criteria for class "B" biosolids. All metals meet class "A" biosolids criteria. Recent biosolids analysis results are attached as 1 year rolling averages. Also attached is the Non-Hazardous Waste Declaration certified by the WWTP.
      Liquid biosolids are mixed and pumped from the storage lagoons to sealed tanker trucks for transport to the permitted land application sites to be applied at agronomic rates as prescribed by Nutrient Management Plans. At the application sites, the biosolids are offloaded by hose directly to the field

spreading equipment. The field spreading equipment consists of tractor drawn sealed manure spreaders, or self propelled sealed TerraGator tank spreaders. A portion of the biosolids may also be de-watered as needed by belt press or centrifuge to be land applied as cake solids. No process changes occur to the biosolids other than dewatering from the previously certified lagoon.

3) Odor control plans for the WVWA WWTP and Bio-Nomic Services are included in each site book.
   a) Odor issues are determined at the WWTP before the biosolids leave the facility. There are no storage proposals that would create additional odor issues.
   b) Land application sites are identified in each site book, and also on the map showing all of the sites.
   c) Methods of application will use sealed tractor drawn or self propelled liquid agricultural tank spreaders.

3. There are no leases involved in this application.
4. VA DEQ and local authority notification:
   At least 100 days before land application activities begin, the County Manager and VA DEQ will be notified by letter of the planned land application activity.
   At least 14 days before land application, VA DEQ and the County Manager will be notified by e-mail of the proposed land application and will identify the planned permitted sites for the land application activities to occur.
   Daily notification by e-mail will be provided to VA DEQ and to the County Manager of the proposed activity site before the start of the daily land application activities.
5. Financial responsibility evidence will be provided in the form of insurance certification addressing land application of biosolids activities in the Commonwealth of Virginia.
6. Form D-IV is provided for the proposed WVWA WWTP biosolids. This facility is already approved for land application of Class B biosolids. No other sources are proposed with this application.
7. Non-hazardous Declaration is provided, and the proposed source is currently permitted for land application.
8. Biosolids Storage: Biosolids will not be stored at any land application site. Biosolids storage is regulated at the WVWA Waste Treatment Plant under their VPDES Permit VA 0025020.
9. No storage sites are proposed. All biosolids are stored at the WVWA Waste Treatment Plant.
10. No storage is proposed. All storage is at the Waste Treatment Plant.

11. Biosolids Transport:
    a. Vehicles used to transport biosolids from the WWTP to the application sites will be sealed tank wagons pulled by road tractors. Each tank wagon is calibrated by a certified outside firm to limit load to 6000 gallons to prevent overloading.
    b. Routes to each application site are identified in each site book.
    c. Biosolids will be off-loaded from the road transport wagons to the spreading tank wagons by vacuum through sealed transfer hoses. Both road tractor driver and field operator are immediately present during this activity to respond to any potential issues.

       Spill prevention, spill clean-up, and emergency notification are addressed in each site book in the O&M Plan. VA DEQ Certified Land Appliers are employed at each site or immediately available to insure compliance with spill and clean-up issues.
    d. A voucher system to control loads from the WWTP to each application site is employed. Each road tractor driver has a Load Control Record book that contains numbered 3 part tickets. Each ticket is signed at the WWTP by the truck loader when loading. At the field, the field operator signs the ticket again, receiving the load. A copy of the ticket is attached to the field loading sheet. (Copies attached). Payment to the drivers is directly coupled to proper handling of the tickets, ensuring vouchers are properly handled.
    e. The load tickets are recorded individually on the daily sheet for each field that are used for the monthly VA DEQ report of Land Application Activities. All documents are stored at the Charlotte NC office for a minimum of 5 years.
12. Field Operation/ Storage: No storage at application sites or off the WWTP site is proposed.
13. Equipment and Field Operations:
    a. Equipment used in the field is sealed tractor drawn liquid manure spreaders, or sealed self propelled spreaders, TerraGators.
    b. Spreaders are calibrated daily by measuring the area covered by a full load on the spreader, and expanding that to measure gallons per acre. Speed is adjusted accordingly to ensure the gallons specified in the Nutrient Management Plan are not exceeded. Nutrient Management Plans are written at 50% agronomic rates to insure no over application of nutrients occurs. Biosolids proposed are from only one source, and NMPs are written for that source.
    c. Fields are checked each morning by the project manager to verify that fields meet environmental/regulatory standards for biosolids application. It is also his responsibility to verify that the fields are properly buffered and that field conditions and crops match both the permit and NMP.

       Buffer distances are established using laser range finders.

Certified Land Appliers are either on site, or immediately available should any spreading issues occur.

Biosolids analysis occurs monthly from samples pulled by the WWTP laboratory personnel. The samples are analyzed by Waypoint Analytical(Formally A&L Laboratories) to determine that Class B standards are met.

Pathogen and Vector attraction testing on the biosolids is done by the WWTP laboratory.

14. Land Applier Odor Control Plan

Odor control plan is in each site book.

Land Application Sites

Items 15 through 28 are in each site book.

DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER DIVISION PERMIT APPLICATION FEE FORM

FEES EFFECTIVE JANUARY 1, 2008

INSTRUCTIONS

Applicants for individual Virginia Pollutant Discharge Elimination System (VPDES), Virginia Pollution Abatement (VPA), Virginia Water Protection (VWP), Surface Water Withdrawal (SWW), and Groundwater Withdrawal (GW) permits are required to pay permit application fees, except farming operations engaged in production for market. Fees are also required for registration for coverage under general permits, except for the general permits for Domestic Sewage Discharges of 1,000 GPD or less (VAG40), and for Petroleum Contaminated Sites, Groundwater Remediation, and Hydrostatic Tests (VAG83).

NOTE: this form is NOT appropriate for Virginia Stormwater Management Program (VSMP) Construction General Permits, or VSMP Municipal Separate Storm Sewer System (MS4) individual or general permit fees.

The permit fee schedule is included on the back of this form, and includes fees for permit issuance, reissuance*, and for permit modification. Except for VWP permits, fees must be paid when applications are submitted. Applicants for VWP permits will be notified by the DEQ of the fee due. Applications will be considered incomplete if the proper fee is not paid and will not be processed until the fee is received.

* Note: the reissuance fee does not apply to individual VPDES and VPA permits - see the fee schedule for details.

Once you have determined the fee for the type of application you are submitting, complete this form. The form and your check or money order payable to "Treasurer of Virginia" should be mailed to:

Department of Environmental Quality
Receipts Control
P.O. Box 1104
Richmond, VA 23218

You should retain a copy of the form and your check for your records. Please direct any questions regarding this form or fee payment to the DEQ Office to which you are submitting your application.

APPLICANT NAME: Bio-Nomic Services, Inc

ADDRESS: 516 Rountree Road

Charlotte, NC 28217

DAYTIME PHONE: (704) 529 - 0000
Area Code

IRS Employer Identification Number (EIN):
[*aka* Federal Tax Identification Number (FIN)]

FACILITY/ACTIVITY NAME: Land Application of Biosolids

LOCATION: Bedford County, VA

TYPE OF PERMIT APPLIED FOR:
(from Fee Schedule - see back of form) VPA Municipal Biosolids Operation

TYPE OF ACTION: ☐ New Issuance ☑ Reissuance ☑ Modification

AMOUNT OF FEE SUBMITTED (from Fee Schedule): $ 5,000.00 → SIB $1000

EXISTING PERMIT NUMBER (if applicable): VPA03013

DEQ OFFICE TO WHICH APPLICATION OR REGISTRATION SUBMITTED (check one)

☐ Abingdon/SWRO	☐ Harrisonburg/VRO	☐ Woodbridge/NRO	☑ Lynchburg/BRRO-L
☐ Richmond/PRO	☐ Richmond/Headquarters	☐ Roanoke/BRRO-R	☐ Virginia Beach/TRO

FOR DEQ USE ONLY
Date: 6-30-16 DC #: 54401774

UST 54047
Inv 83693

Form Revised October 22, 2014

Field ID	Site Book	Gross Acres	Tax ID	Notes
RO24-3A	**Nance**	**30.6**	**197-A-5D**	**25.2**
RO24-3B	**Nance**	**44.4**	**197-A-5D**	**37.6**
RO24-20	**Nance**	**21.7**	**183-A-7, 183-A-7A, 183-A-8**	**12**
RO24-22	**Nance**	**19.9**	**183-A-7, 183-A-7A, 183-A-8**	**7**
RO24-27	**Nance**	**10.0**	**183-A-8**	**3.2**
RO24-28	Nance	38.3	183-A-12; 183-A-12A; 183-A-14B	
RO24-29	Nance	72.6	183-A-12; 183-A-12A; 183-A-14B	
RO56-14A	Bays	13.0	235-A-31A	
RO56-16	Bays	13.7	243-A-51	
RO56-17	Bays	38.3	243-A-51	
RO56-18	Bays	2.6	244-A-5	
RO56-19	Bays	8.4	244-A-5	
RO56-20	Bays	7.5	244-A-6	
RO56-21	Bays	13.2	244-A-5A; 244-A-5	
RO56-22	Bays	9.5	244-A-5A	
RO56-23	Bays	6.9	244-A-5	
RO56-24	Bays	5.8	244-A-5	
RO56-25	Bays	5.5	244-A-5	
RO56-26	Bays	10.3	244-A-5A; 244-A-5	
RO56-27	Bays	6.4	244-A-5A; 244-A-5	
RO56-28	Bays	8.6	244-A-3; 244-A-5A; 244-A-5	
RO56-29	Bays	2.8	244-A-5	
RO56-30	Bays	7.1	244-A-5; 243-A-36	
RO56-31	Bays	10.1	243-A-36	
RO56-32	Bays	6.8	243-A-36	
RO56-33	Bays	10.9	243-A-36	
RO56-34	Bays	26.5	236-A-33	
RO56-35	Bays	6.5	236-A-33	
RO56-36	Bays	6.4	236-A-33	
RO56-37	Bays	14.7	236-A-33	
RO56-38	Bays	11.5	236-A-33	
RO56-39	Bays	8.5	236-A-33	
RO56-40	Bays	8.4	236-A-33	
RO75-1	Creasey	7.9	200-A-4	
RO75-2	Creasey	32.4	200-A-4	
RO75-3	Creasey	46.2	200-A-4	
RO75-4	Creasey	5.9	215-A-20	
RO75-5	Creasey	19.4	215-A-20	
RO75-6	Creasey	7.5	215-A-20	
RO75-7	Creasey	36.1	183-A-14	
RO75-8	Creasey	14.1	183-A-14	
RO75-9	Creasey	14.8	183-A-14	
RO75-10	Creasey	7.1	183-A-14	
RO77-1	Gardner	8.8	202-A-44	
RO77-2	Gardner	4.8	202-A-44	
RO77-3	Gardner	5.4	202-A-44	
RO77-4	Gardner	7.4	202-A-44	
RO77-5	Gardner	15.5	203-A-2F; 203-A-2J	
RO77-6	Gardner	17.4	203-A-2F; 203-A-2J	
RO77-7	Gardner	7.3	203-A-2F; 203-A-2J	
RO77-8	Gardner	10.5	203-A-2F; 203-A-2J	
RO77-9	Gardner	7.3	203-A-2F; 203-A-2J	
RO77-10	Gardner	15.9	168-A-14; 168-A-15	
RO77-11	Gardner	11.6	168-A-14; 168-A-15	
RO77-12	Gardner	14.9	168-A-14	

RO77-13	Gardner	10.4	167-A-53	
RO77-14	Gardner	12.8	167-A-53	
RO77-15	Gardner	12.1	167-A-53	
RO77-16	Gardner	5.5	167-A-53	
RO77-17	Gardner	14.1	167-A-53	
RO77-18	Gardner	10.2	167-A-53	
RO77-19	Gardner	29.2	184-A-36	
RO77-20	Gardner	19.2	184-A-36	
RO77-21	Gardner	12.7	184-A-36	
RO77-22	Gardner	8.0	184-A-36	
RO77-23	Gardner	8.0	184-A-36	
RO77-24	Gardner	16.6	184-A-36	
RO77-25	Gardner	20.5	202-A-17	
RO77-26	Gardner	9.8	202-A-17	
RO77-27	Gardner	9.7	202-A-17; 202-A-36	
RO77-28	Gardner	37.3	216-A-31	
RO77-29	Gardner	15.2	216-A-31	
RO77-30	Gardner	11.9	216-A-31	
RO77-31	Gardner	11.7	216-A-31	
RO77-32	Gardner	13.1	216-A-31	
RO77-33	Gardner	3.7	202-A-39	
RO77-34	Gardner	9.3	202-A-39	
RO77-35	Gardner	24.2	202-A-39	
RO77-36	Gardner	24.0	202-A-39	
RO77-37	Gardner	14.8	186-A-8	
RO77-38	Gardner	14.2	186-A-8	
RO77-39	Gardner	32.0	186-A-8	
RO77-40	Gardner	39.0	168-A-26; 168-A-26A; 168-A-23;168-A-24	
RO77-41	Gardner	17.8	168-A-26; 168-A-30	
RO77-42	Gardner	42.0	168-A-23; 168-A-24	
RO77-43	Gardner	20.8	168-A-23; 168-A-24	
RO77-44	Gardner	9.6	168-A-23	
RO78-1	Skinnell	3.0	199-A-77	
RO78-2	Skinnell	14.6	199-A-77	
RO78-3	Skinnell	9.0	199-A-77	
RO78-4	Skinnell	15.6	199-A-74	
RO78-5	Skinnell	15.5	199-A-74	
RO78-6	Skinnell	30.6	199-A-74	
RO78-7	Skinnell	10.4	199-A-73	
RO78-8	Skinnell	14.4	199-A-73	
RO78-9	Skinnell	13.5	200-1-1	
RO78-10	Skinnell	14.5	200-1-1	
RO79-1	Dancausse	5.8	239-A-2, 239-A-2A	
RO79-2	Dancausse	4.3	239-A-2	
RO79-3	Dancausse	13.3	239-A-2	
RO79-4	Dancausse	5.5	239-A-2	
RO79-5	Dancausse	16.3	239-A-2	
RO80-1	Simmons	6.4	194-A-31	
RO80-2	Simmons	6.4	194-A-31	
RO80-3	Simmons	5.2	194-A-31	
RO80-4	Simmons	6.2	194-A-31	
RO80-5	Simmons	13.9	194-A-31	
RO80-6	Simmons	6.5	194-A-31	
RO80-7	Simmons	7.2	194-A-31	
RO80-8	Simmons	22.0	194-A-31	
RO80-9	Simmons	9.9	194-A-32	

RO80-10	Simmons	33.2	194-A-32	
RO80-11	Simmons	24.8	194-A-36	
RO80-12	Simmons	9.4	194-A-36	
RO80-13	Simmons	20.7	194-A-15, 194-A-16	
RO80-14	Simmons	38.4	194-A-15, 194-A-16	
RO80-15	Simmons	67.8	194-A-43	
RO80-16	Simmons	26.9	208-A-4	
RO80-17	Simmons	7.9	208-A-1	
RO80-18	Simmons	9.3	208-A-2	
RO80-19	Simmons	3.4	208-A-2	
RO80-20	Simmons	7.6	208-A-1A	
RO80-21	Simmons	12.4	208-A-2	
RO80-22	Simmons	5.5	208-A-3A	
RO80-23	Simmons	28.9	208-A-3A	
RO81-1	Plymale	13.6	235-A-5	
RO81-2	Plymale	31.9	235-A-5	
RO81-3	Plymale	8.1	235-A-5	
RO81-4	Plymale	43.1	235-A-5	
RO82-1	Godsey	17.2	208-7-9, 208-7-10, 208-7-11	
RO82-2	Godsey	25.4	208-7-11, 220-A-21D	
RO82-3	Godsey	9.7	208-7-11, 220-A-21D	
RO82-4	Godsey	3.6	209-A-8, 220-A-21G	
RO82-5	Godsey	23.3	209-A-8, 220-A-21G	
RO82-6	Godsey	20.5	209-A-8, 209-A-8A	
RO82-7	Godsey	13.8	209-A-8A	
RO82-8	Godsey	12.3	209-A-8A	
RO82-9	Godsey	27.6	221-A-3	
RO82-10	Godsey	7.7	221-A-3	
RO82-11	Godsey	45.1	221-A-3	
RO82-12	Godsey	6.0	221-A-3	
RO83-1	Willoughby	10.1	160-A-5A, 160-A-6	
RO83-2	Willoughby	8.5	160-A-5A, 160-A-6	
RO83-3	Willoughby	4.2	160-A-6	
RO83-4	Willoughby	55.8	142-A-45B	
RO83-5	Willoughby	12.6	142-A-45B	
RO83-6	Willoughby	7.2	142-A-45B	
RO83-7	Willoughby	2.8	142-A-45B	
RO83-8	Willoughby	3.7	142-A-45B	
RO83-9	Willoughby	8.9	160-A-25A	
RO83-10	Willoughby	13.5	160-A-25A	
RO83-11	Willoughby	8.6	160-A-25A	
RO83-12	Willoughby	4.4	160-A-25A	
RO83-13	Willoughby	13.5	160-A-25A	
RO83-14	Willoughby	60.5	160-A-25A	
RO83-15	Willoughby	15.8	161-A-14	
RO83-16	Willoughby	41.6	161-A-14	
RO84-1	Shrewsbury	24.1	144-A-12	
RO84-2	Shrewsbury	14.6	144-A-12	
RO84-3	Shrewsbury	47.7	144-A-12	
RO84-4	Shrewsbury	76.6	144-A-12	
RO84-5	Shrewsbury	28.9	179-A-7, 179-A-8	
RO84-6	Shrewsbury	6.3	194-A-50	
RO84-7	Shrewsbury	3.8	194-A-50	
RO84-8	Shrewsbury	31.2	194-A-50	
RO85-1	Overstreet	13.1	226-A-15A	
RO85-2	Overstreet	20.4	226-A-15, 226-A-15A	

RO85-4	Overstreet	3.8	226-A-15A	
RO85-5	Overstreet	11.0	226-A-15A	
RO85-6	Overstreet	8.9	226-A-15, 226-A-15A, 226-3-1, 226-3-2, 226-3-3, 226-3-4	
RO85-7	Overstreet	17.6	226-A-29	
RO85-8	Overstreet	13.2	226-A-16	
RO85-9	Overstreet	22.7	226-A-16	
RO85-10	Overstreet	2.9	226-A-16	
RO86-1	Ferguson	18.1	146-8-6, 146-8-7	
RO86-2	Ferguson	32.6	145-A-50, 145-A-54	
RO86-3	Ferguson	39.4	145-A-50, 145-A-51, 145-A-51A, 145-A-51B, 145-A-51C, 145-A-52, 145-A-53, 145-A-53A	
RO86-4	Ferguson	75.0	145-A-40	
RO86-5	Ferguson	145.9	146-A-57, 164-A-71D, 164-A-71E	
RO86-6	Ferguson	15.5	145-A-40, 145-A-37	
RO86-7	Ferguson	48.7	145-A-40	
RO86-8	Ferguson	7.1	145-A-40	
RO86-9	Ferguson	98.3	145-A-40	
RO86-10	Ferguson	29.3	164-A-14	
RO86-11	Ferguson	70.1	164-A-1	
RO86-12	Ferguson	8.9	164-A-1	
RO86-13	Ferguson	8.1	164-A-1	
RO86-14	Ferguson	7.0	164-A-1	
RO86-15	Ferguson	34.2	164-A-2	
RO87-1	Tuck	17.5	233-2-4	
RO87-2	Tuck	107.3	233-2-1B, 233-2-2, 233-2-4, 233-A-59, 233-A-62, 233-A-63	
RO87-3	Tuck	42.1	233-A-60, 233-A-62	
RO87-4	Tuck	12.9	233-A-60, 233-A-62	
RO87-5	Tuck	5.5	233-A-60	
RO87-6	Tuck	20.3	233-A-60	
RO87-7	Tuck	31.5	233-A-62, 233-A-65	
RO87-8	Tuck	15.1	233-A-62	
RO87-9	Tuck	10.6	233-A-63	
RO87-10	Tuck	67.5	234-A-14	
RO87-11	Tuck	13.3	234-A-22	
RO87-12	Tuck	69.4	234-A-22	
				3783.2
	Total Gross Acres	3909.8	Total New Acres	**3868.2**

***FIELDS IN BOLD ARE CURRENTLY PERMITTED. ADDITTIONAL ACRES ARE BEING ADDED TO THE FIELDS. GROSS ACRES INCLUDE CURRENTLY PERMITTED ACRES.**