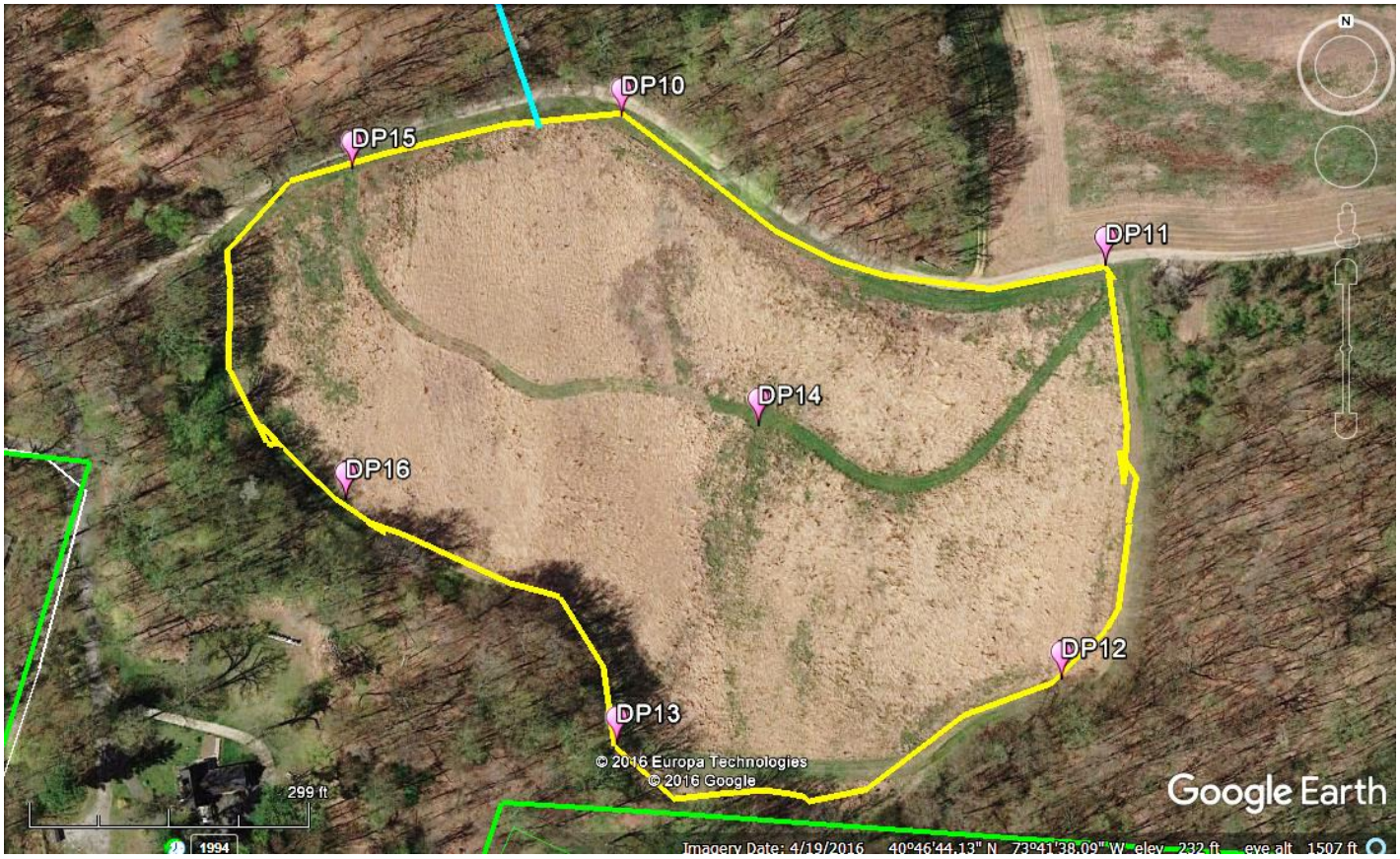
INCIDENT BRIEFING (ICS 201)

1. Incident Name: Tower Unit (G9) Rx Burn	2. Incident Number: Greentree Series 1	3. Date/Time Initiated: Date: 04/12/17 Time: 1000-1800

4. Map/Sketch



5. Situation Summary and Health and Safety Briefing:

- ☐ **Burn organization and assignments**
- ☐ **Prescribed Fire objectives and prescription**
- ☐ **Description of prescribed fire project area**
  - ☐ **Special considerations and sensitive features**
- ☐ **Expected weather and fire behavior**
- ☐ **Communications**
- ☐ **Ignition plan**
- ☐ **Holding plan**
- ☐ **Contingency plan and assignments**
- ☐ **Wildfire declaration**
- ☐ **Safety and medical plan**

6. Prepared by: Name: Bob Panko Position/Title: Burn Manager Signature: Robert A Panko

ICS 201, Page 1	Date/Time: 04/10/17

INCIDENT BRIEFING (ICS 201)

1. Incident Name: TOWER UNIT (G9) RX BURN	2. Incident Number: Greentree Series 1	3. Date/Time Initiated: Date: 04/12/17 Time: 1000-1800

7. Current and Planned Objectives:

- **Conduct the prescribed burn(s) in a manner that ensures firefighter, public and community safety by following the approved prescribed fire plan, utilizing an adequate number of trained personnel and burning under weather conditions that minimize smoke impacts to stakeholders and the public.**
- **Reduce fine dead fuels in burn units 80-100% while minimizing soil scorch to encourage new growth of desirable native plants. This will minimize damage to perennial root systems during the burn(s). Fire effects post burn(s) would increase nutrient availability and increase overall soil temperatures by reducing shade cover permitting more abundant growth.**
- **Provide a prescribed burn / wildland fire management training opportunity for Greentree Foundation staff and surrounding government first responders and emergency service providers.**
- **Ensure surrounding landowners, commercial property owners, community emergency responders, commuters, Greentree users and staff, and other stakeholders are notified of the prescribed burn(s) in a timely manner to address concerns and to maintain an accurate flow of information.**
- **Reduce fuel accumulations that can result in unwanted wildfires.**

8. Current and Planned Actions, Strategies, and Tactics:

Time:	Actions: **Note G=responsibility of Greentree Foundation: R=responsibility of RBIM LLC: R/G=both**
Pre Ignition	**G**-Pasture grass fuels on perimeter and inner trail are green and will not burn.
Pre Ignition	**G**-All ordered tools & PPE received & distributed. Engine sprayer units pre-tested & in ready condition.
Pre Ignition	**R**-Complete the notification list for adjacent landowners, stakeholders & coop agencies day before burn.
Pre Ignition	**R**-monitor weather for 1 week pre-ignition & obtain Spot Weather Forecast from NWS if possible.
Pre Ignition	**R**-RBIM LLC subcontract firefighters are confirmed for burn day & lodging needs are accomodated
Pre Ignition	**R**-Notify NYDEC day before for permission to burn. Permission is confirmed and documented. Request Nassau Cty EOC to make reverse 911 notification.
Pre Ignition	**G**-Complete Agency Administrator Go No-Go Checklist
Briefing	**R**-All Tactical Resources attend on-site pre-ignition briefing
Pre Ignition	**R**-Burn Boss confirm fuels & current and expected weather are in prescription
Test Burn	**R/G**-All Tactical resources on site at Test Burn. Test burn location is dependent upon wind vector of the day of burn. Complete Burn Boss Go/No Go checklist & test burn documentation in the Burn Plan.
Ignition Phase	**R/G**-Ignition resources move ahead under direction of Burn Boss. Holding resources working behind/in tandem or as directed by Burn Boss
Monitoring	**R/G**-Burn Boss and Smoke Monitor record hourly weather and fire behavior observations and smoke impact observations surrounding the Burn.
Holding	**R/G**-Holding resources patrol lines for holding success and spot detection/suppression.
Holding	**R/G**-Post ignition all resources patrolling and holding.
Mop Up	**R/G**-Patrol perimeter and mop up active smoke w/in 1 chain (66'). Any active or potential snags (which would only be in spot-overs since there are no snags within burn unit) are dropped and mopped.
Mop Up/Smoke Management	**R/G**-As directed by Burn Boss all resources mop up interior / spot fires to reduce/eliminate overnight residual smokes.
Next Day/Subsequent Days	**R/G**-Patrol fire and mop up any residual smokes as needed. Declare fire out when appropriate. If no spot fires have occurred outside the burn unit (all grass) the fire may be declared out on day of burn.

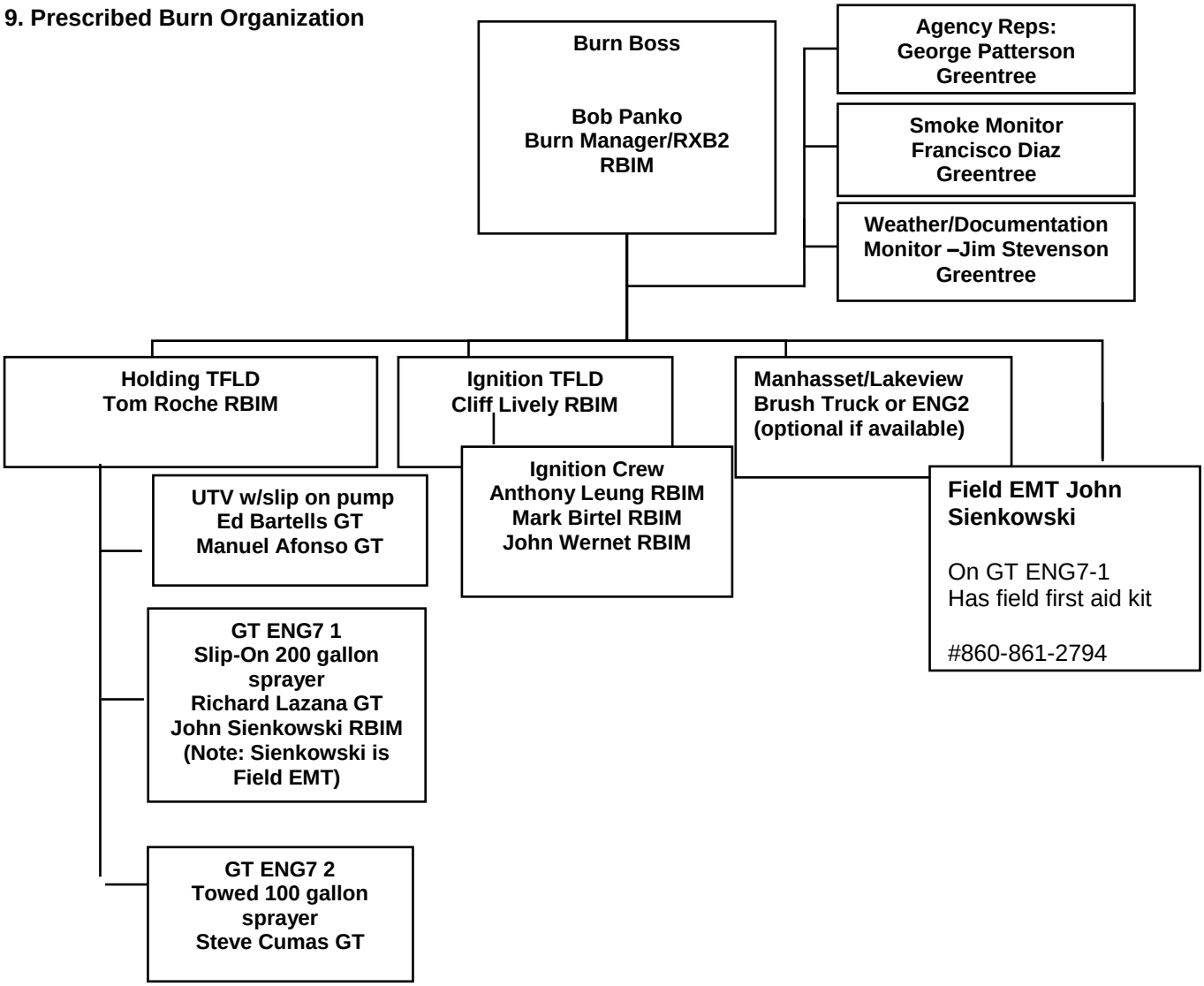
6. Prepared by: Name: Bob Panko Position/Title: Burn Manager Signature: Robert A Panko

 Date/Time: 04/10/17

INCIDENT BRIEFING (ICS 201)

1. Incident Name: TOWER UNIT (G9) RX BURN	2. Incident Number: Greentree Series 1	3. Date/Time Initiated: Date: 04/12/17 Time: 1000-1800

9. Prescribed Burn Organization



6. Prepared by: Name: Bob Panko Position/Title Burn Manager Signature: Robert A Panko

ICS 201, Page 3 Date/Time: 04/10/17

INCIDENT BRIEFING (ICS 201)

1. Incident Name: TOWER UNIT (G9) RX BURN	2. Incident Number: Greentree Series 1	3. Date/Time Initiated: Date: 04/12/17 Time: 1000-1800

10. Resource Summary:

Resource	Resource Identifier & Phone#	Date/Time Ordered	ETA	Arrived	Notes (location/assignment/status)
Burn Manager RXB2 Bob Panko	RBIM LLC 305-323-1385			☐	Burn Manager / Boss to manage burn.
Agency Rep George Patterson	Greentree 718-962-5912			☐	Coordinate with Burn Manager and stakeholders. Provide Foundation policy guidance and permissions. Authorize burn date scheduling & site access.
Smoke Monitor Francisco Diaz	Greentree #			☐	Monitor & record smoke observations adjacent to the burn. Needs vehicle, digital camera & cell phone.
Weather & Documentation Monitor Jim Stevenson	Greentree #516-459-7965			☐	Take and record hourly weather readings using Kestral & Belt Weather Kit (provided). Take photos of fire behavior observed.
Ignition Task Force Leader Cliff Lively RBIM	RBIM LLC Subcontractor #570-994-4205			☐	Supervise & Direct Ignitors / Assist in ignitions
Ignition Assistant Manual Afonso	Greentree #516-650-3803			☐	Igniter
Ignition Assistant Mark Birtel RBIM	RBIM LLC Subcontractor #570-582-9499			☐	Igniter
Ignition Assistant Anthony Leung RBIM	RBIM LLC Subcontractor				
Andrew Loessel	GT #646-574-2399				
Holding Task Force Leader Tommy Roche RBIM	RBIM LLC Subcontractor #406-370-8901			☐	Supervise & Direct holding resources.
Engine Type 7 - #1 Richard Lizana GT John Sienkowski RBIM	Greentree Slip-on sprayer & operator #860-861-2794			☐	Holding
UTV Ed Bartells John Wernet RBIM	Greentree UTV w/ slip on pump/tank # (315) 396-3959			☐	Holding
Engine Type 7 -#2 Steve Chumas GT	Greentree Towed sprayer & operator #			☐	Holding

6. Prepared by: Name: Bob Panko Position/Title: Burn Manager Signature: Robert A Panko

 Date/Time: 04/10/17

9 Line Medical Incident Report

Medical Incident Report

FOR ALL MEDICAL EMERGENCIES: IDENTIFY ON SCENE INCIDENT COMMANDER BY NAME AND POSITION AND ANNOUNCE "MEDICAL EMERGENCY" TO INITIATE RESPONSE FROM IMT COMMUNICATIONS/DISPATCH.

Use items one through nine to communicate situation to communications/dispatch.

1. CONTACT COMMUNICATIONS/DISPATCH
Ex: "Communications, Div. Alpha. Stand-by for Priority Medical Incident Report." (If life threatening request designated frequency be cleared for emergency traffic.)

2. INCIDENT STATUS: *Provide incident summary and command structure.*

Nature of Injury/Illness		*Describe the injury (Ex: Broken leg with*
Incident Name		*Geographic Name + "Medical" (Ex: Trout*
Incident Commander		*Name of IC*
Patient Care		*Name of Care Provider (Ex: EMT*

3. INITIAL PATIENT ASSESSMENT: *Complete this section for each patient. This is only a brief, initial assessment. Provide additional patient info after completing this 9 Line Report.*

Number of Patients:	Male / Female	Age:	Weight:
Conscious? ☐ YES	☐ **NO = MEDEVAC!**		
Breathing? ☐ YES	☐ **NO = MEDEVAC!**		
Mechanism of Injury: *What caused the injury?*			
Lat/Long (Datum WGS84) Ex: N 40° 42.45' x W 123° 03.24'			

4. SEVERITY OF EMERGENCY, TRANSPORT PRIORITY

SEVERITY	TRANSPORT PRIORITY
☐ **URGENT-RED Life threatening injury or illness.** *Ex: Unconscious, difficulty breathing, bleeding severely, 2° – 3° burns more than 4 palm sizes, heat stroke, disoriented*	Ambulance or MEDEVAC helicopter. Evacuation need is **IMMEDIATE.**
☐ **PRIORITY-YELLOW Serious Injury or illness.** *Ex: Significant trauma, not able to walk, 2° – 3° burns not more than 1-2 palm sizes.*	Ambulance or consider air transport if at remote location. Evacuation may be **DELAYED.**
☐ **ROUTINE-GREEN** Not a life threatening injury or illness. *Ex: Sprains, strains, minor heat-related illness*	Non-Emergency. Evacuation considered **Routine of Convenience.**

5. TRANSPORT PLAN:

Air Transport: (Agency Aircraft Preferred)

☐ Helispot	☐ Short-haul/Hoist	☐ Life Flight	☐ Other

Ground Transport:

☐ Self-Extract	☐ Carry-Out	☐ Ambulance	☐ Other

6. ADDITIONAL RESOURCE/EQUIPMENT NEEDS:

☐ Paramedic/EMT(s)	☐ Crew(s)	☐ SKED/Backboard/C-Collar
☐ Burn Sheet(s)	☐ Oxygen	☐ Trauma Bag
☐ Medication(s)	☐ IV/Fluid(s)	☐ Cardiac Monitor/AED

☐ Other (i.e. splints, rope rescue, wheeled litter)

7. COMMUNICATIONS:

Function	Channel Name/Number	Receive (Rx)	Tone/NAC *	Transmit (Tx)	Tone/NA
Ex: Command	*Forest Rpt, Ch. 2*	*168.3250*	*110.*	*171.4325*	*110.9*
COMMAND					
TACTICAL					

*(NAC for digital radio system)

8. EVACUATION LOCATION:

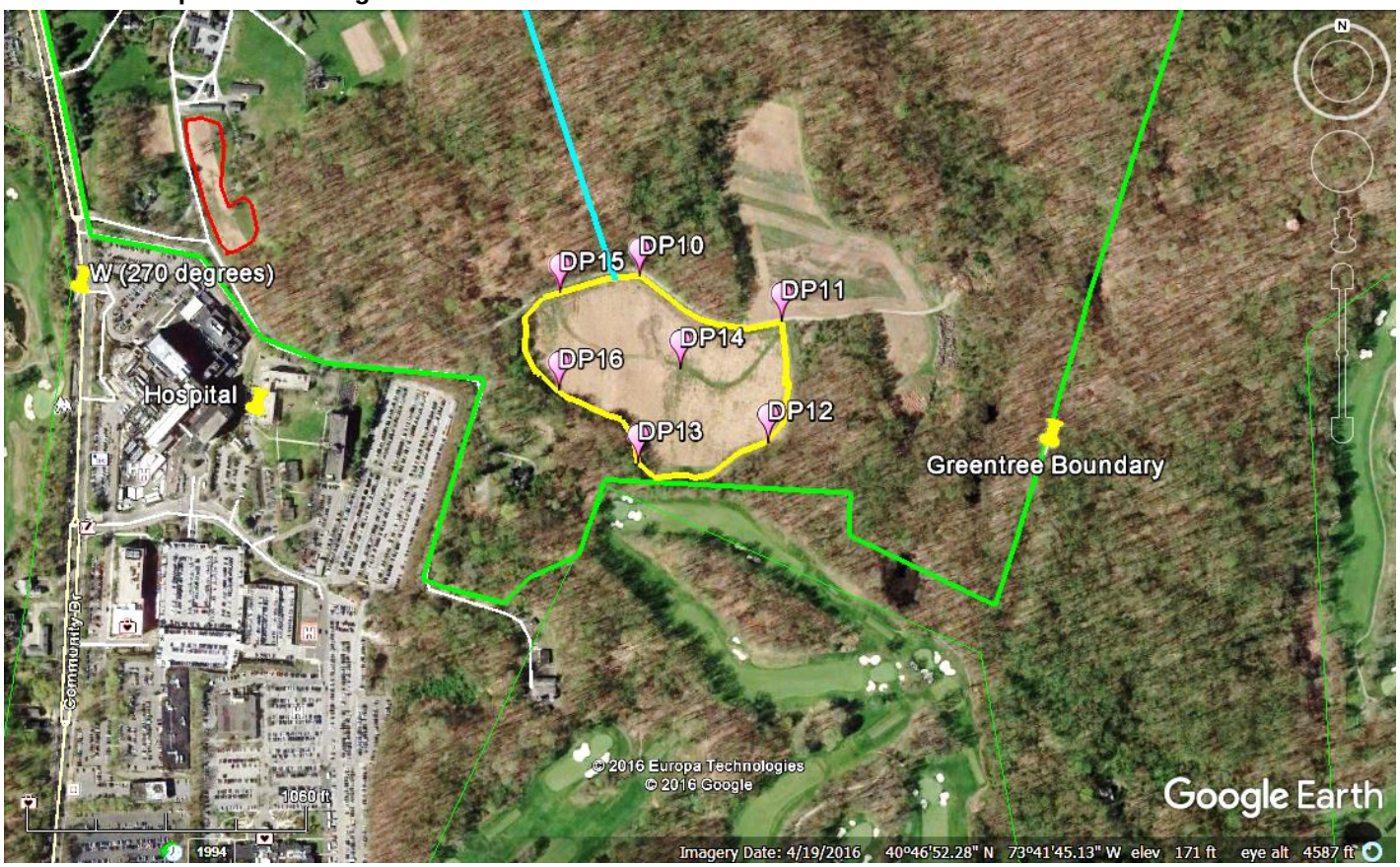
Lat/Long (Datum WGS84) *EX: N 40 42.45' x W 123 03.24'*	
Patient's ETA to Evacuation Location:	
Helispot/Extraction Size and Hazards:	

9. CONTINGENCY:

Considerations: If primary options fail, what actions can be implemented in conjunction with primary evacuation method? Be thinking ahead...	REMEMBER: Confirm ETA's of resources ordered Act according to your level of training Be Alert. Keep Calm. Think Clearly. Act Decisively.

1. Incident Name: Tower Unit (G9) Rx Burn	2. Incident Number:	3. Date/Time Initiated: Date: 04/12/17 Time:

Wide View Map Satellite Image



Prescription: Unit G9 Tower Unit – Fuel Model Gr6, Moderate Load Humid Climate Grass

Factor	Minimum	Maximum	Comments
Season			Burn in any season, Mar/April or Sept/Oct ideal
Wind Direction	NNW to S to SSE	NNW to S to SSE	W to SW winds ideal. The biggest smoke constraint here is huge! The North Shore University Hospital is an enormous complex that begins only about 100 yards due West of this burn unit.
Wind Speed Mid-flame	0	9	Note this is mid-flame windspeed, not 20'. Predicted 20' windspeed is what is shown in NWS Fire Weather Forecasts (mid-flame windspeed=0.44X20'windspeed in grass fuels)
Wind Gust Mid-flame		12	
Fine Fuel Moisture	6%	16%	FFM below 6% was constrained in prescription to prevent Probability of Ignition of flaming brands to exceed 60%
Mixing Height	1000'	No max	
Transport Winds	Any Direction other than East permissible	Any Direction other than East permissible	Grass fuels, strip head firing technique and small compartments being burned individually will eliminate the development of a smoke column. Smoke will disperse rapidly both at the surface and vertically eliminating transport wind concerns.
Relative Humidity	30%	80%	
Temperature	37	100	Mid 60's ideal temp.
*Days since wetting rain	1	6	*note this is recommended not REQUIRED prescription parameter

G9 April Flame Lengths

Flame Length (ft)

1-h Moisture	Midflame Wind Speed (upslope) mi/h				
%	1	3	5	7	9
6	5.3	9.5	13.2	16.6	19.7
8	5.0	8.9	12.3	15.5	18.4
10	4.7	8.4	11.7	14.6	17.4
12	4.5	8.0	11.1	14.0	16.6
14	4.3	7.7	10.7	13.5	16.0
16	4.2	7.5	10.4	13.0	15.5

APPENDIX V: GREENTREE FOUNDATION EXECUTIVE GO/NO-GO PRE-IGNITION APPROVAL CHECKLIST

Instructions: The Greentree Foundation Executive GO/NO-GO Pre-Ignition Approval is the intermediate planning review process (i.e. between the Prescribed Fire Complexity Rating System Guide and Go/No-Go Checklist) that should be completed before a prescribed fire can be implemented. The Greentree Foundation Executive Go/No-Go Pre-Ignition Approval evaluates whether compliance requirements, Prescribed Fire Plan elements, and internal and external notifications have been or will be completed and expresses the Agency Administrator's intent to implement the Prescribed Fire Plan. If ignition of the prescribed fire is not initiated prior to expiration date determined by the Agency Administrator, a new approval will be required.

YES	NO	KEY ELEMENT QUESTIONS
		Is the Prescribed Fire Plan up to date? *Hints: amendments, seasonality.*
		Will all compliance requirements be completed? *Hints: cultural, threatened and endangered species, smoke management, NEPA.*
		Is risk management in place and the residual risk acceptable? *Hints: Prescribed Fire Complexity Rating Guide completed with rational and mitigation measures identified and documented?*
		Will all elements of the Prescribed Fire Plan be met? *Hints: Preparation work, mitigation, weather, organization, prescription, contingency resources*
		Will all internal and external notifications and media releases be completed? *Hints: Preparedness level restrictions*
		Will key agency staff be fully briefed and understand prescribed fire implementation?
		Are there any other extenuating circumstances that would preclude the successful implementation of the plan?
		Have you determined if and when you are to be notified that contingency actions are being taken? Will this be communicated to the Burn Boss?
		Other:

Recommended by:_____ Date: _____
Prescribed Fire Burn Manager

Approved by:_____ Date: _____
Greentree Foundation

Approval expires (date): _____

APPENDIX V: Briefing Checklist For Burn Resources conducted each burn day:

- ⎦ Burn Organization
- ⎦ Burn Objectives
- ⎦ Description of Prescribed Fire Area
- ⎦ Expected Weather & Fire Behavior
- ⎦ Communications
- ⎦ Ignition plan
- ⎦ Holding Plan
- ⎦ Contingency Plan
- ⎦ Wildfire Conversion
- ⎦ Safety and Medical Plan

_____ _____

BURN MANAGER DATE

APPENDIX V: PRESCRIBED FIRE BURN MANAGER GO/NO-GO CHECKLIST

	YES	NO
A. Has the burn unit experienced unusual drought conditions or does it contain above normal fuel loadings which were not considered in the prescription development? If NO proceed with checklist below, if YES go to item B.		
B. Has the prescribed fire plan been reviewed and an amendment and NY DEC review been completed; or has it been determined that no amendment is necessary? If YES to any, proceed with checklist below, if NO, STOP.		

YES	NO	QUESTIONS
		Are ALL pre-burn prescription parameters met?
		Are ALL smoke management specifications met?
		Has ALL required current and projected fire weather forecast been obtained and are they favorable?
		Are ALL planned operations personnel and equipment on-site, available, and operational?
		Has the availability of ALL contingency resources been checked and are they available?
		Have ALL personnel been briefed on the project objectives, their assignment, safety hazards, escape routes, and safety zones?
		Have all the pre-burn considerations identified in the Prescribed Fire Plan been completed or addressed?
		Have ALL the required notifications been made?
		Are ALL permits and clearances obtained?
		In your opinion, can the burn be carried out according to the Prescribed Fire Plan and will it meet the planned objective?

If all the questions were answered "YES" proceed with a test fire. Document the current conditions, location, and results

_____ _____

Burn Manager Date

Appendix V -Test Fire

Prior to ignition of each unit a test fire is required and results will be recorded. The test fire must be ignited in a representative location and in an area that can be easily controlled. The purpose of the test fire is to verify that the prescribed fire behavior characteristics will meet management objectives and to verify predicted smoke dispersion.

In most cases the test fire will be lit in a leeward corner of the fire ground where initial ignitions of the unit are planned. Since "strip head" fire use is desired for smoke abatement, the test fire will have to be of sufficient size to ensure strip head ignitions will be successful.

Prior to ignition of both the test fire a comparison with current ambient conditions the Prescribed Fire Plan prescription elements, both individually and collectively, against local area or spot weather forecasts, other predicted conditions, and the actual conditions onsite (See element 9: Pre-Burn Considerations) to ensure that predicted fire behavior will take place and/or weather parameters will not change to the point of the burn going out of prescription.

This Appendix V will be printed and used on site to document the test fires. The following table will be used for each test fire.

Date	**Location**	**Burn Prescription Parameters Verified and Met?**	**Burn Manager Signature**
Test Fire Time	**Test Fire Results (note fire behavior)**	**Test Fire Decision (commence burn or do not burn)**	**Burn Manager Signature**

Fire Weather Planning Forecast for Southeastern New York
Northern New Jersey and Southern CT
National Weather Service New York NY
334 AM EDT Wed Apr 12 2017

.DISCUSSION...
A cold front passes across the area today. A few showers and thunderstorms will accompany the front today, but rainfall amounts will be rather light and isolated. Winds will be light today, but will increase later in the day behind the cold front. Dry conditions are expected tonight and Thursday as high pressure builds.

Northern Nassau-
334 AM EDT Wed Apr 12 2017

	Today	Tonight	Thu
CLOUD COVER	PCldy	MClear	MClear
PRECIP TYPE	Tstms	None	None
CHANCE PRECIP (%)	30	0	0
TEMP (24H TREND)	70 (-4)	44 (-8)	61
RH % (24H TREND)	47 (+1)	72 (-15)	34
20ft Wnd-Val/AM(mph)	LGT/VAR		NW 7-11
20ft Wnd-Rdg/PM(mph)	W 5-9 G17	NW 5-9	NW 6-10
PRECIP AMOUNT	0.03	0.00	0.00
PRECIP DURATION	1		
PRECIP BEGIN	10 AM		
PRECIP END	4 PM		
MIXING HGT(FT-AGL/MSL)	1640	90	5380
TRANSPORT WND (MPH)	W 20	NW 18	NW 17
LAL	1-8 STRIKES	NO TSTMS	NO TSTMS
HAINES INDEX	4	4	4

REMARKS...None.

FNUS71 KOKX 120142
FWSOKX

Spot Forecast for Greentree Prescribed Burns...Greentree Foundation
National Weather Service New York NY
942 PM EDT Tue Apr 11 2017

Forecast is based on ignition time of 2200 EDT on April 11.
If conditions become unrepresentative...contact the National Weather Service.

.DISCUSSION...
A cold front slowly approaches from the northwest overnight, and moves through the area during Wednesday morning into the early afternoon. Southerly winds 5 to 10 MPH will gradually shift to the southwest then west as the front approaches and moves through. Scattered to isolated showers will be possible late tonight into Wednesday morning.

.REST OF TONIGHT...

Sky/weather.....Partly cloudy (30-40 percent)...then becoming mostly cloudy (50-60 percent).
CWR.....10 percent.
Min temperature.....Around 55.
Max humidity.....93 percent.
Wind (20 ft).....
 Slope/valley.....South winds 5 to 6 mph in the late evening and early morning...becoming light and variable.
Mixing height.....300 ft AGL.
Transport winds.....South 8 to 15 mph.

TIME (EDT)	10P	11P	MID	1AM	2AM	3AM	4AM	5AM
Sky (%)	25	31	34	36	40	40	48	57
Weather cov.								
Weather type								
Tstm cov								
CWR	10	10	10	10	10	10	10	10
Temp	61	57	58	60	60	60	56	55
RH	70	77	80	75	75	75	90	93
20 FT wind dir	190	190	190	200	200	190	190	180
20 FT wind spd	6	6	5	5	4	4	4	4
20 FT wind gust	10	10	10	10	5	5	5	5
Mix hgt (kft)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Transp wind dir	190	190	190	200	200	190	190	180
Transp wind spd	15	14	12	10	9	8	9	9

.WEDNESDAY...

Sky/weather.....Partly sunny (45-55 percent). Isolated showers early in the morning...then scattered showers in the late morning and early afternoon. Isolated showers late.
CWR.....20 percent...increasing to 30 percent in the late morning and early afternoon...then decreasing to 20 percent...decreasing to 10 percent.
Max temperature.....Around 70.
Min humidity.....42 percent.
Wind (20 ft).....

```
 Slope/valley.......Light and variable winds...becoming west 5 to 8
                    mph with gusts up to 20 mph late in the
                    morning.
Mixing height.......100-1600 ft AGL...increasing to 4900-5300 ft
                    AGL.
Transport winds.....West 9 to 17 mph.

TIME (EDT)      6AM 7AM 8AM 9AM 10A 11A 12P 1PM 2PM 3PM 4PM 5PM
Sky (%).........65  73  77  76  75  73  71  69  68  58  37  27
Weather cov.....ISO ISO ISO SCT SCT SCT SCT SCT SCT ISO ISO
Weather type....RW  RW  RW  RW  RW  RW  RW  RW  RW  RW  RW
Tstm cov........
CWR.............20  20  20  30  30  30  30  30  30  20  20  10
Temp............55  55  56  57  59  61  62  63  65  68  70  70
RH..............93  90  80  80  78  72  70  65  58  51  45  42
20 FT wind dir..200 240 260 270 280 290 290 280 280 270 260 260
20 FT wind spd..4   3   4   4   4   5   6   6   7   7   8   8
20 FT wind gust.5   5   5   5   5   10  10  15  15  15  15  20
Mix hgt (kft)...0.3 0.3 0.3 0.1 0.1 0.3 0.8 1.6 2.5 3.8 4.9 5.3
Transp wind dir.200 240 260 270 280 290 290 300 300 300 280 280
Transp wind spd.9   9   9   9   10  12  13  14  15  16  17  17

$$
Forecaster...99
Requested by...George Patterson
Type of request...PRESCRIBED
.TAG 1706591.0/OKX
.EMAIL bob_panko@yahoo.com
```