APPLICATION FOR LISTING	an Improv	/ED F	OREST MA	NAGEME	NT U.S	. FORES	Γ
OPR Date Application Received: Staff Use Only	OPR Tracking I	lumber		Date Applicat	ion Review	ved:	OPR Staff Use Only
PART I, ENTITY APPLYING FOR LIS	STING						
Is this form being submitted by the Offset I (APD)? Notes: 1. The person completing this form should be 2. If the APD is submitting this form, the OPC simultaneously.	Project Operato e an OPO/APD em D should submit th	oloyee. ie form	or by the Autho	orized Project	Designee t Designee		OPO APD
Name of Person Completing Form: Mike Pruett	Gre	en Di	amond Resou	urce Compa	ny		
Date Form Completed: 09/10/2015	Pho 206	ne Num -224-:	ber: 5815	Email Address mpruett@gi	reendian	nond.com	
PART II. OFFSET PROJECT INFORM	ATION						
Offset Project Name: Green Diamond Resource Company	- Klamath Ea	st IFN					
Offset Project Commencement Date: 09/29/2014	09/29/201	ing Per 4	iod Start Date:	9/28/20	orting Pe 16	riod End Dat	:e:
commencement date. The discrete, verifiable action that de property was transferred to Green Di respective counties.	enotes the pro iamond Reso	ject co urce C	ommencemer ompany and	nt date is the the deeds r	e date th ecorded	e title of th their	ıe
PART III. OPO/APD INFORMATION	V						
A. OPO				A dial of the second seco			
Green Diamond Resource Company	,				CA <u>1</u> 9	<u>6 5</u>	
Mailing Address: 1301 Fifth Avenue, Suite 2700		City:	tla		State:	Zip: 08101_26	313
Contact Person:	Phone Num	ber:	Email Address	S:		0010120	<u></u>
Mike Pruett B APD (if applicable)	1 206-224-3	0010		reendlamon		PD/Not Appl	icable
APD Name:					APD's C	ITSS ID#:	
Mailing Address:		City:			State:	Zip:	
Contact Person:	Phone Num	ber:	Email Address	5:	4	I	
PART IV. LAND OWNERSHIP					i. Ala		
A. Is the Offset Project Operator (OPO) to Further documentation is required for all p listing document for more information. If "no," explain how the entity identifi	he owner in fee rojects. Submit a ied as the OPO h	for the s attach as the	Project Area? ment labeled "Att right to underta	tachment A." S	Gee Part X o e project.	of this	(es No

В.	List all Forest Owners. This includes of Project Area that affect the trees and easements, rights of way, leases, etc.	owners in fee as well as third parties wit standing timber located in the Project A).	h existing pro rea (e.g. mine	perty interest ral rights, tim	s within the ber rights,
	Green Diamond Resource Company is the fee owner of all lands included in the Project Area. For				
	some parcels in the Project Area	a, geothermal and mineral rights a	re held by of	ther parties	as
	demonstrated in the property de	ed documents that will be provided	d for verifica	tion purpos	es.
C.	Does the offset project occur on publi If the project occurs on public lands, proce Further documentation is required if proje See Part X of this listing document for mo	c or private lands? eed to questions C1 and C2. Otherwise, skip ct occurs on public lands. Submit as attachm re information.	to question D. aent labeled "Ata	tachment B.″	⊠ Private □ Public
	1. Describe the public process that has N/A	as been used to approve forest managem	ent activities	and baseline.	
	2. Describe the documentation being management activities and baselin	submitted with this listing document de e.	monstrating a	pproval of pla	nned forest
	N/A				
D.	Will the project employ a Qualified Co If employing a QCE, proceed to questions Supporting documentation for a QCE is re- See Part X of this listing document for mo	D1, D2, and D3. Otherwise, skip to question quired. Submit as attachment labeled "Attach re information.	E. nment C.″	QCE	wnership
	1. Date that the QCE was or will be re N/A	corded.			
	2. Will the project take place in a stat (i.e., to "accept and record that ac	te that requires third-party beneficiaries ceptance"), such as Arizona, Pennsylvan	to sign the ea ia, or West Vi	sement rginia?	Yes No
	3. Provide the terms within the ease N/A	ment that affect forest management.			
E.	Does the offset project occur on any o	of the following categories of land? (check to, an ownership of possessory interest	k all that apply) of a Tribe		
	Land that is "Indian lands" of a T	ribe as defined by 25 U.S.C. §81(a)(1)			
	Land that is owned by any person	۱, entity, or Tribe, within the external bo	rders of such :	Indian lands	
	If "none of the above," skip to Part V. Otl	herwise, proceed to questions E1 and E2.			
	Further documentation is required for proj	jects occurring on land listed in the first three See Part X of this listing document for some	e categories. Su	ıbmit supportin	g documents
	1. Does a limited waiver of sovereign	i immunity between ARB and the govern	i ng body of th	e Tribe	🗌 Yes
	exist?	Project Area is correct			No No
	2. Describe now the land within the F	rioject Area is owned.	intell		
PA	RT V. OFFSET PROJECT AREA				
мар labe	s aepicting specific elements of the Project led "Attachment E." See Part X of this listii	Area are required for all projects. Submit su ng document for more information.		Tetel	acnments
Lati 42°	2 40' 22.4" N	-121° 11' 1.9" W	449,902 ac	Cres	e:
A .	Identify the assessment area (or asse and list the acreage of project lands v	essment areas, if project crosses more the vithin each assessment area.	ian one) that o	contain Projec	t Area lands
	Eastern Cascades - Eastern Ca	scade Mixed Conifer (194,908 acr	es); Eastern	Cascades	- Eastern
	Cascade High Elevation Conifer	(138,298 acres); Modoc Plateau -	Modoc Hig	h Eleavatio	n Mixed
	Conifer (22,983 acres); and Mod	doc Plateau - Modoc Mixed Conife	r (93,713 ac	res).	
В.	Identify the governing jurisdiction(s) Oregon Department of Forestry	applicable to the Project Area. (ODF) and is in Klamath and Lake	counties, C	Dregon.	
C.	Describe how the Project Area was de	etermined.	moroial fora	etland unde	
	management within the Eastern	Cascades and Modoc Plateau su	nersectione	Other Gree	וק חב
	Diamond Resouce Company fee	e simple commercial forestland un	der manage	ment adiac	ent to the
	forestland located in this Project	Area is included in a separate AR	B IFM proie	ect listing an	plication
	(Green Diamond Resource Con	pany Klamath West IFM). The adi	acent forest	land is not	allowed to
	be included in this Project Area	as it is located within other supers	ections. and	as per Sec	tion 4 of
	the Compliance Offset Protocol	U.S. Forest Projects (November 1	4, 2014) - a	Project Are	a may not
-			,	ž	

cross more than two adjacent supersection boundaries. D. Describe the existing land cover, and land use of the Project Area. The Project Area's exisitng land cover is forest. The existing land use is timber production. There is limited grazing and sport hunting within the Project Area. E. Describe the forest vegetation types within the Project Area boundary. Ponderosa pine and associated species are the dominant species within the Project Area. There are some mixed conifer stands throughout mid to higher elevations. The species associated with these mid to high elevation mixed conifer stands include lodgepole pine, mountain hemlock, and white fir. F. Describe the site classes within the Project Area boundary. The Project Area is classified as all low site classes in all Assessment Areas based on Green Diamond forest inventory stand level site productivity measurements. G. Describe the land pressures and climate zone/classification applicable to the Project Area. There are no significant development pressures applicable to the Project Area because of its rural and remote location and the very small population within the surrounding area. Klamath and Lake counties include just over 14 thousand square miles with a population of 73,293 people or less than two percent of the state of Oregon's population. The populaiton of both counties has declined since 2010 (Klamath (-1.4%) and Lake (-0.07%). All the land in the Project Area is zoned as commercial forestland. The land is not suitable for agriculture. The Project Area lies between the 6a and 7b climate zones as mapped by the USDA. The Project Areas is within both Climate Division 5 (High Plateau) and Climate Diviation 7 (South Central Oregon) established by the National Climatic Data Center. H. Describe the historical land uses, current zoning, and projected land use within the Project Area and surrounding areas. The historical land use within the Project Area and surrounding lands has been timber production and limited grazing compatible with timber production. The Project Area is zoned as commercial forestland. The projected land use within the Project Area and surrounding areas is likely to be timber production, with the potential to increase biomass utilization for energy production. Describe generally the forest conditions within the Project Area, including species composition, age class I. distribution, and management history. In general, the forest is in a healthy condition; however many stands are stocked well below the current FIA common practice statistic. Current forest stands are made up of even-aged ponderosa pine plantations (156,291 acres) and uneven-aged stands of mixed conifers (293,611 acres). Past owners intensively managed about 35% of the stands by clear cutting and replanting with ponderosa pine during the 1970s though the early 1990s. Other mixed conifer stands were generally high-graded to extract value from the Project Area and currently meet the minimum stocking requirements under the Oregon forest practices rules. The species composition is: PP LP 00 HW 51% 29% 19% 1% PP: Ponderosa Pine; LP: Lodgepole Pine; OC: Other Conifer; HW: Hardwoods No more than 40% of the Project Area is in age classes younger than 20 years old: 0-20 years (11%, 49,489 acres) 20+ years (89%, 400,413 acres).

PA	ART VI. OFFSET PROJECT ELIGIBILITY		
Α.	. Does the project take place on land that has greater than 10 percent tree canopy cover? Supporting documentation is required. Submit as attachment labeled "Attachment F." See Part X of document for more information.	of this listing	⊠ Yes □ No
в.	. Indicate how the offset project meets (or will meet) the definition of Natural Forest Mana Compliance Offset Protocol US Forest Offset Projects, November 14, 2014:	agement per Tal	ole 3.2 in the
	 Native species: a) Will the project consist of at least 95% native species based on the estimated sun the standing live carbon pool? If "no," proceed to question 1b. Otherwise, skip to question B2. 	n of carbon in	⊠ Yes □ No
	 b) Describe how the project will meet this requirement. (Improved Forest Managem assessed using estimates of basal area per acre.) N/A 	ent Projects wil	be
	 2. Composition of native species: a) Does the Project Area naturally consist of a mixed species distribution where no s prevalence, measured as the percent of basal area of all live trees in the Project A the percentage value of standing live carbon shown under the heading 'Species Di in the Assessment Area Data File? If "no," proceed to questions 2b and 2c. Otherwise skip to question B3. 	ingle species' rea, exceeds versity Index'	⊠ Yes □ No
	 b) Explain how the project will demonstrate a trend toward achieving the Species Div species and meet this requirement within 25 years. N/A 	versity Index of	native
	c) If the Project Area does not naturally consist of a mixed species distribution: Will provided a written statement from the government agency in charge of forestry re the state where the project is located stipulating that the Project site is not capab the requirement of mixed species distribution.	or have you egulation in le of meeting	□ Yes □ No
	 3. Distribution of age classes/sustainable management: a) Indicate how the project will meet the requirement for sustainable management i either planned or ongoing within the Project Area demonstrating sustainable long This applies to all forest landholdings of the Forest Owner(s) (check one of the boxe Not applicable; no commercial harvesting is occurring within the Project Area. M Third party certification under the Forest Stewardship Council, Sustainable Fore Farm System, whose certification standards require adherence to and verificatio can be permanently sustained over time. Adherence to a renewable long-term management plan that demonstrates harv permanently sustained over time and that is sanctioned and monitored by a state Employ uneven-aged silvicultural practices and maintain canopy retention aver the forest, as measured on any 20 acres within the entire forestland owned by land within and outside of the Project Area (areas impacted by Significant Distafrom this test). 	f commercial ha term harvestin (5). estry Initiative, on of harvest le vest levels which the or federal ag raging at least 4 the Forest Own urbance may be	rvesting is g practices. or Tree vels which n can be ency. 0% across er, including excluded
	b) On a watershed scale up to 10,000 acres (or the Project Area, whichever is smalle must maintain, or make progress toward maintaining, a maximum of 40% of the p lands in ages that are less than 20 years old. (Areas impacted by Significant Distu exempt from this test until 20 years after reforestation of such areas.) Does the a this project meet this requirement? If "no," proceed to question 3c. Otherwise, skip to question B4.	r), projects project's forest irbance are icreage within	⊠ Yes □ No
	 c) Explain how the project intends to show continuous progress toward meeting this next 25 years. N/A 	requirement w	thin the
	4. Structural elements (standing and lying dead wood): How will the project ensure that structural elements are retained in sufficient quantiti life? Project activites do not include the active harvest or removal of standing of unless such structures present a fire or safety hazard. Green Diamond Romonitor standing dead wood through its forest inventory, and when necess management practices that will identify and recruit future standing dead word the requirements for Structural Elements in Table 3.2 of the Compliance of Forest Projects (November 14, 2014).	es throughout t or lying dead esouce Comp ssary, implem vood sufficien Offset Protoco	he project wood any will ent t to meet ol U.S.

C.	Describe the management activities that will lead to increased carbon stocks in the Project Area, compar	ed to the
	Management activities that will lead to increased carbon stocks as compared to the base	line
	include forest thinning and plantings to return and maintain optimal stocking levels across	s the
	Project Area, as well as extending the length of harvest rotations.	
D.	Is this project being implemented and conducted as the result of any law, statute, regulation, court order or other legally hinding mandate?	
	If "yes," explain:	∐ Yes ⊠ No
E.	Will the offset project employ broadcast fertilization?	☐ Yes ⊠ No
F.	Does the offset project take place on land that was part of a previously listed and verified Forest Offset	 ☐ Yes
	Project? If "yes," proceed to questions E1 and E2. Otherwise, skip to Part VII.	🖾 No
	1. Was the previous Forest Offset Project terminated due to an Unintentional Reversal?	🗌 Yes
	2. Is the project transitioning to the Compliance Offset Protocol U.S. Forest Projects, November 14	
	2014, after previously being listed as an early action offset project?	
PA	RT VIT. CARBON STOCK INVENTORY	
	Provide a general description of the inventory methodology to be used to quantify carbon stocks for each	required
~.	carbon pool in the forest project's offset boundary. The inventory methodology must describe the inform	nation
	required in Appendix A.3 of the Compliance Offset Protocol U.S. Forest Projects, November 14, 2014. IFM-1 Standing Live:	
	A new forest inventory will be completed because the property was purchased in Septem	1ber 2014
	and the forest inventory records provided as part of the purchase are not complete and de	o not meet
	the requirements of the Compliance Offset U.S. Forest Projects, November 14, 2014 (CC	P).
	The purpose of the new forest inventory will be to directly estimate the onsite carbon stoc	ks in the
	IFIN-1 and IFIM-3 pools, as well as indirectly estimate the additional carbon pools required	l by the
	verifier and will be submitted with the initial Offeet Project Data Report (ORDR)) the
	vermer and win be submitted with the initial Onset Project Data Report (OPDR).	
	The forest will be stratified by forest type and plots will be distributed across each stratum	using a
	random grid created in GIS. Each plot center will be located via GPS and permanently	
	monumented, including reference trees, to facilitate field visits by verifiers and re-inventor	ying at
	least every 12 years during the Project Life.	
	The forest inventory may use variable-radius plot sampling or a combination of variable-radius	adius plot
	and fixed radius plot sampling to gather required tree measurements. The actual BAF pris	sm to be
	before the cruisor goes to the field to collect tree data	jnea
	before the cruiser goes to the held to collect tree data.	
	Standard Operating Procedures (SOPs) will be developed and provided to the cruisers	
	implementing the forest inventory to ensure quality assurance and quality control. SOPs v	will include
	check cruising during the field data collection process to verify data collection procedures	, ensure all
	measurements are within error tolerances, and necessary corrective actions are impleme	nted to
	maintain consistent and quality data.	
	At each plot, the following data will be collected for trees determined to be within the plot:	species,
	sample plot data will be used to generate inventory estimates of outpic feet volume and bi	ion). The
	following the procedures and guidance listed in ARR's website and within the COP	UHASS
	to owing the procedures and guidance instea in ARD's website and within the COP.	

IFM-3 Standing Dead:

At each plot, the following data will be collected for standing dead trees determined to be within the plot: species, dbh, trunk or bole height >=15 feet, and an estimated deduction for missing biomass. The sample plot data will be used to generate inventory estimates of cubic foot volume and biomass following the proceedures and guidance listed in ARB's website and within the COP.

IFM-6 Soil (if applicable):

The carbon stocks for this pool are excluded because the conditions listed in Table 5.2 IFM-6 of the COP are not planned - deep ripping, furrowing, or plowing where soil disturbance exceeds 25% of the Project Area over the Project Life or mechanical site preparation activities are not conducted on contours.

IFM-7 Carbon in in-use forest products:

Annual harvest records will be collected, reported, and stored by the Offset Project Operator. Annual harvest volumes will be used to calculate carbon using conversion factors published or referenced in the Forest Offset Protocol Resources (FOPR) section of ARB's website. **IFM-8 Forest product carbon in landfills (if applicable):**

Annual harvest records will be collected, reported, and stored by the Offset Project Operator. Annual harvest volumes will be used to calculate carbon using conversion factors published or referenced on the ARB FOPR website.

IFM- 9 Biological emissions from site preparation:

The carbon stocks for this pool are excluded because SSR#IFM-6 is not included as conditions listed in Table 5.2 IFM-6 of the COP are not planned.

IFM-14 Biological emissions/removals from change in harvesting on forestland outside project area:

The project will use the protocol default of 20% "leakage" factor applied to the difference in actual harvest volume and the averaged harvest volume in the baseline scenario.

IFM-17 Biological emissions from decomposition of forest products:

This is quantified as a component of calculating carbon stored for 100 years in wood products (SSR#IFM-7) and landfills (SSR#IFM-8), as per Appendix C of the COP.

B. Describe the calculation methodologies to be used to determine metric tons per acre for each of the carbon pools included in the Offset Project Data Report. IFM-1 Standing Live:

Using data collected through a new forest inventory, each tree's carbon will be calculated using the U.S. Forest Service FIA National Program biomass equations, summed across strata and averaged for the project area. The biomass equations will be used in conjunction with the volume equation references and coefficients by species for projects located in CA, OR, and WA, as referenced in the FOPR section of ARB's website. The Cairn's model (Cairns, Brown, Helmer, & Baumgardner, 1997) will be used to estimate below ground biomass density. Carbon will be estimated as 50% of the dry biomass. Carbon will be converted to CO2e using 3.664.

IFM-3 Standing Dead:

Using data collected through a new forest inventory, each standing dead trees' carbon will be caluated as if it were a standing live tree as per IFM-1 above. Adjustments to sound biomass volumes will be made by applying density factors by decay class from Harmon el al. (2001) to estimate density in standing dead trees. The Cairn's model (Cairs, Brown, Helmer, & Baumgardner, 1997) will be used to estimate below-ground biomass density. Carbon will be estimated as 50% of the dry biomass. Carbon will be converted to CO2e using 3.664.

IFM-6 Soil (if applicable):

N/A (see section A IFM-6 above)

IFM-7 Carbon in in-use forest products:

The project will use regional mill efficiencies and 100-year default storage factors. **IFM-8 Forest product carbon in landfills (if applicable):**

The project will use regional mill efficiencies and 100-year default storage factors.

IFM- 9 Biological emissions from site preparation:

N/A (see section A IFM-9 above)

IFM-14 Biological emissions/removals from	change in how opting on forestland	outside project area:	_			
The project will use the protocol defa	ault of 20% "leakage" factor app	lied to the difference in actual				
harvest volume and the averaged harvest volume in the baseline scenario.						
IFM-17 Biological emissions from decompos	IFM-17 Biological emissions from decomposition of forest products:					
This is quantified as a component of	calculating carbon stored for 10	00 years in wood products				
(SSR#IFM-7) and landfills (SSR#IFM	-8), as per Appendix C of the C	OP				
Provide a summary of the inventory of carbo	on stocks for each carbon pool (or ap	oproach used, if inventory is not				
IFM-1 Standing Live:						
31.0 tCO2e/acre (preliminary estimat	te)					
IFM-3 Standing Dead:						
3.1 tCO2e/acre (preliminary estimate	e)					
IFM-6 Soil (if applicable):						
N/A (see section A IFIVI-6 above)						
0 tCO2e (
IFM-8 Forest product carbon in landfills (if a	applicable):					
0 t CO2e						
IFM- 9 Biological emissions from site prepar	ration:					
IN/A IEM-14 Biological emissions / removals from	change in harvesting on forestland	outside project areas				
0 tCO2e						
IFM-17 Biological emissions from decompos	sition of forest products:					
IFM-17 Biological emissions from decompos 0 tCO2e	sition of forest products:					
IFM-17 Biological emissions from decompos 0 tCO2e . Provide a summary of the estimated invento	sition of forest products:	ling error is 50/ based on a				
 IFM-17 Biological emissions from decompos 0 tCO2e Provide a summary of the estimated inventor The preliminary estimate of the total of 00% confidence interval 	sition of forest products: ory confidence statistics. onsite carbon stocks final samp	ling error is 5% based on a				
 IFM-17 Biological emissions from decompos 0 tCO2e Provide a summary of the estimated inventor The preliminary estimate of the total of 90% confidence interval. Provide the calculation of the offset project? 	sition of forest products: ory confidence statistics. onsite carbon stocks final samp 's reversal risk rating and expected o	ling error is 5% based on a				
 IFM-17 Biological emissions from decompos 0 tCO2e Provide a summary of the estimated inventor The preliminary estimate of the total of 90% confidence interval. Provide the calculation of the offset project Account. 	sition of forest products: ory confidence statistics. onsite carbon stocks final samp 's reversal risk rating and expected c	ling error is 5% based on a				
 IFM-17 Biological emissions from decompos 0 tCO2e Provide a summary of the estimated inventor The preliminary estimate of the total of 90% confidence interval. Provide the calculation of the offset project Account. The preliminary estimate of the project 	sition of forest products: ory confidence statistics. onsite carbon stocks final samp 's reversal risk rating and expected c ct's reversal rating and expecte	ling error is 5% based on a contribution to the Forest Buffer d annual contribution to the				
 IFM-17 Biological emissions from decompos 0 tCO2e Provide a summary of the estimated inventor The preliminary estimate of the total of 90% confidence interval. Provide the calculation of the offset project Account. The preliminary estimate of the project Forest Buffer Account is 19.24%, as provide the project 	sition of forest products: ory confidence statistics. onsite carbon stocks final samp 's reversal risk rating and expected of ct's reversal rating and expected per ARB formula contained in A	oling error is 5% based on a contribution to the Forest Buffer ad annual contribution to the Appendix D of the Compliance				
 IFM-17 Biological emissions from decompose 0 tCO2e Provide a summary of the estimated inventor The preliminary estimate of the total of 90% confidence interval. Provide the calculation of the offset project Account. The preliminary estimate of the project Forest Buffer Account is 19.24%, as p Offset Protocol U.S. Forest Projects (sition of forest products: ory confidence statistics. onsite carbon stocks final samp 's reversal risk rating and expected of ct's reversal rating and expecte per ARB formula contained in A (November 14, 2014).	oling error is 5% based on a contribution to the Forest Buffer annual contribution to the appendix D of the Compliance				
 IFM-17 Biological emissions from decompose 0 tCO2e Provide a summary of the estimated inventor The preliminary estimate of the total of 90% confidence interval. Provide the calculation of the offset project Account. The preliminary estimate of the project Forest Buffer Account is 19.24%, as poffset Protocol U.S. Forest Projects (Risk Category 0) 	sition of forest products: ory confidence statistics. onsite carbon stocks final samp 's reversal risk rating and expected of ct's reversal rating and expected per ARB formula contained in A (November 14, 2014). Contribution from Risk (Score)	oling error is 5% based on a contribution to the Forest Buffer ad annual contribution to the Appendix D of the Compliance (1-Score)				
 IFM-17 Biological emissions from decompos 0 tCO2e Provide a summary of the estimated inventor The preliminary estimate of the total of 90% confidence interval. Provide the calculation of the offset project Account. The preliminary estimate of the project Forest Buffer Account is 19.24%, as p Offset Protocol U.S. Forest Projects (Risk Category Einancial 	sition of forest products: ory confidence statistics. onsite carbon stocks final samp 's reversal risk rating and expected of ct's reversal rating and expected per ARB formula contained in A (November 14, 2014). Contribution from Risk (Score)	oling error is 5% based on a contribution to the Forest Buffer ad annual contribution to the appendix D of the Compliance (1-Score) 95.00%				
 IFM-17 Biological emissions from decompos 0 tCO2e Provide a summary of the estimated inventor The preliminary estimate of the total of 90% confidence interval. Provide the calculation of the offset project Account. The preliminary estimate of the project Forest Buffer Account is 19.24%, as p Offset Protocol U.S. Forest Projects (Risk Category Financial Management 	sition of forest products: ory confidence statistics. onsite carbon stocks final samp 's reversal risk rating and expected of ct's reversal rating and expected per ARB formula contained in A (November 14, 2014). Contribution from Risk (Score) Default Risk 5.0%	oling error is 5% based on a contribution to the Forest Buffer ad annual contribution to the Appendix D of the Compliance (1-Score) 95.00%				
IFM-17 Biological emissions from decompos 0 tCO2e Provide a summary of the estimated inventor The preliminary estimate of the total of 90% confidence interval. Provide the calculation of the offset project Account. The preliminary estimate of the project Forest Buffer Account is 19.24%, as p Offset Protocol U.S. Forest Projects (Risk Category Financial Management - Illegal Removals of Forest Biomass	sition of forest products: ory confidence statistics. onsite carbon stocks final samp 's reversal risk rating and expected of ct's reversal rating and expected per ARB formula contained in A (November 14, 2014). Contribution from Risk (Score) Default Risk 5.0%	oling error is 5% based on a contribution to the Forest Buffer annual contribution to the Appendix D of the Compliance (1-Score) 95.00% 100.00%				
 IFM-17 Biological emissions from decompos 0 tCO2e Provide a summary of the estimated inventor The preliminary estimate of the total of 90% confidence interval. Provide the calculation of the offset project Account. Previde the calculation of the offset project Account. The preliminary estimate of the project Forest Buffer Account is 19.24%, as p Offset Protocol U.S. Forest Projects (Risk Category Financial Management Illegal Removals of Forest Biomass Conversion to Alternative L and Use 	sition of forest products: ory confidence statistics. onsite carbon stocks final samp 's reversal risk rating and expected of ct's reversal rating and expected per ARB formula contained in A (November 14, 2014). Contribution from Risk (Score) Default Risk 5.0% Default Risk 0.0% Default Risk 2.0%	oling error is 5% based on a contribution to the Forest Buffer annual contribution to the appendix D of the Compliance (1-Score) 95.00% 100.00% 98.00%				
 IFM-17 Biological emissions from decompos 0 tCO2e Provide a summary of the estimated inventor The preliminary estimate of the total of 90% confidence interval. Provide the calculation of the offset project Account. The preliminary estimate of the project Forest Buffer Account is 19.24%, as p Offset Protocol U.S. Forest Projects (Risk Category Financial Management Illegal Removals of Forest Biomass Conversion to Alternative Land Use Over-Harvesting 	sition of forest products: ory confidence statistics. onsite carbon stocks final samp 's reversal risk rating and expected of ct's reversal rating and expected per ARB formula contained in A (November 14, 2014). Contribution from Risk (Score) Default Risk 5.0% S Default Risk 0.0% Default Risk 2.0% Default Risk 2.0%	eling error is 5% based on a contribution to the Forest Buffer d annual contribution to the Appendix D of the Compliance (1-Score) 95.00% 100.00% 98.00% 98.00%				
IFM-17 Biological emissions from decompos 0 tCO2e Provide a summary of the estimated inventor The preliminary estimate of the total of 90% confidence interval. Provide the calculation of the offset project Account. The preliminary estimate of the project Forest Buffer Account is 19.24%, as p Offset Protocol U.S. Forest Projects (Risk Category Financial Management - Illegal Removals of Forest Biomass - Conversion to Alternative Land Use - Over-Harvesting Social	sition of forest products: ory confidence statistics. onsite carbon stocks final samp 's reversal risk rating and expected of ct's reversal rating and expected per ARB formula contained in A (November 14, 2014). Contribution from Risk (Score) Default Risk 5.0% Se Default Risk 5.0% Default Risk 2.0% Default Risk 2.0% Default Risk 2.0% Default Risk 2.0%	Non-contribution to the Forest Buffer annual contribution to the Appendix D of the Compliance (1-Score) 95.00% 100.00% 98.00% 98.00% 98.00%				
IFM-17 Biological emissions from decompos 0 tCO2e Provide a summary of the estimated inventor The preliminary estimate of the total of 90% confidence interval. Provide the calculation of the offset project Account. The preliminary estimate of the project Forest Buffer Account is 19.24%, as p Offset Protocol U.S. Forest Projects (Risk Category Financial Management - Illegal Removals of Forest Biomass - Conversion to Alternative Land Use - Over-Harvesting Social Natural Disturbance	sition of forest products: ory confidence statistics. onsite carbon stocks final samp 's reversal risk rating and expected of ct's reversal rating and expected per ARB formula contained in A (November 14, 2014). Contribution from Risk (Score) Default Risk 5.0% s Default Risk 5.0% befault Risk 2.0% Default Risk 2.0% Default Risk 2.0% Default Risk 2.0%	Ing error is 5% based on a contribution to the Forest Buffer annual contribution to the appendix D of the Compliance (1-Score) 95.00% 100.00% 98.00% 98.00% 98.00%				
IFM-17 Biological emissions from decompos 0 tCO2e Provide a summary of the estimated inventor The preliminary estimate of the total of 90% confidence interval. Provide the calculation of the offset project Account. The preliminary estimate of the project Forest Buffer Account is 19.24%, as p Offset Protocol U.S. Forest Projects (Risk Category Financial Management - Illegal Removals of Forest Biomass - Conversion to Alternative Land Use - Over-Harvesting Social Natural Disturbance - Wildfire	sition of forest products: ory confidence statistics. onsite carbon stocks final samp 's reversal risk rating and expected of ct's reversal rating and expected per ARB formula contained in A (November 14, 2014). Contribution from Risk (Score) Default Risk 5.0% s Default Risk 5.0% befault Risk 2.0% Default Risk 2.0% Default Risk 2.0% Default Risk 2.0% Default Risk 2.0% Default Risk 2.0% Default Risk 2.0%	Aling error is 5% based on a contribution to the Forest Buffer d annual contribution to the Appendix D of the Compliance (1-Score) 95.00% 100.00% 98.00% 98.00% 98.00% 96.00%				
IFM-17 Biological emissions from decompos 0 tCO2e Provide a summary of the estimated inventor The preliminary estimate of the total of 90% confidence interval. Provide the calculation of the offset project Account. The preliminary estimate of the project Forest Buffer Account is 19.24%, as p Offset Protocol U.S. Forest Projects (Risk Category Financial Management - Illegal Removals of Forest Biomass - Conversion to Alternative Land Use - Over-Harvesting Social Natural Disturbance - Wildfire - Disease or Insect Outbreak	sition of forest products: ory confidence statistics. onsite carbon stocks final samp 's reversal risk rating and expected of ct's reversal rating and expected of ct's reversal rating and expected per ARB formula contained in A (November 14, 2014). Contribution from Risk (Score) Default Risk 5.0% Default Risk 5.0% Default Risk 2.0% Default Risk 2.0% Default Risk 2.0% Default Risk 2.0% Default Risk 3.0%	Aling error is 5% based on a contribution to the Forest Buffer d annual contribution to the Appendix D of the Compliance (1-Score) 95.00% 100.00% 98.00% 98.00% 98.00% 96.00% 97.00%				
IFM-17 Biological emissions from decompos 0 tCO2e Provide a summary of the estimated inventor The preliminary estimate of the total of 90% confidence interval. Provide the calculation of the offset project Account. The preliminary estimate of the project Forest Buffer Account is 19.24%, as p Offset Protocol U.S. Forest Projects (Risk Category Financial Management - Illegal Removals of Forest Biomass - Conversion to Alternative Land Use - Over-Harvesting Social Natural Disturbance - Wildfire - Disease or Insect Outbreak - Other Catastrophic Events	sition of forest products: ory confidence statistics. onsite carbon stocks final samp 's reversal risk rating and expected of ct's reversal rating and expected per ARB formula contained in A (November 14, 2014). Contribution from Risk (Score) Default Risk 5.0% Se Default Risk 5.0% Default Risk 2.0% Default Risk 2.0% Default Risk 2.0% Default Risk 2.0% Default Risk 2.0% Default Risk 3.0% Default Risk 3.0% Default Risk 3.0%	Aling error is 5% based on a contribution to the Forest Buffer annual contribution to the Appendix D of the Compliance (1-Score) 95.00% 100.00% 98.00% 98.00% 98.00% 98.00% 96.00% 97.00%				

1 - ((1 - 0.05)x(1 - 0)x(1 - 0.02)x(1 - 0.02)x(1 - 0.04)x(1 - 0.03)x(1 - 0.03)) = 19.24%

PART VIII. OFFSET PROJECT BASELINE

A. Required for ALL Improved Forest Management Projects

1. Describe the project's modeling plan, following the requirements and methods in Appendix B, Section B.3 of the Compliance Offset Protocol U.S. Forest Projects, November 14, 2014.

1. Silvicultural Methods

The silvicultural prescriptions used for the model are differentiated by forest type and whether the stand is a plantation or mixed age natural stand. The prescription used for the plantations includes a chipper thin from below once stand volume reaches 3 Mbf/acre with a residual target of 120 trees/acre. The next entry is a sawlog harvest done 15 years later. The third entry is a shelterwood cut done 15 years after the sawlog harvest followed by a supplemental planting of 70% ponderosa pine and 30% lodgepole pine at a planting density of 300 trees/acre. The final entry is an overstory removal done 10 years after the shelterwood cut. The harvest cycle then restarts once the stand reaches a volume of 3 Mbf/acre.

The silvicultural prescription used on the mixed age natural stands includes uneven aged management through commercial thinning. A stand will be eligible for thinning once it reaches 3 Mbf/acre. Thinning will occur from below, with a 7" DBH lower diameter cut limit. The stand will also be thinned from above, with a lower diameter cut limit of 16" DBH. The objective of thinning entries is to reduce stocking to about 40 square feet of basal area per acre. Natural regeneration will occur at 75 trees/acre after each thinning with a species mix of 70% ponderosa pine and 30% lodgepole pine. Once thinned, a stand will not be eligible for thinning for at least 15 year.

2. Legal Constraints

The legal constraints affecting forest management activities in the Oregon portion of the project area are contained in the Oregon Department of Forestry Forest Practices Administrative Rules that implements the Oregon Forest Practices Act. The project modeling plan meets the requirements of these rules by utilizing silvicultural methods that conform to leave- tree and reforestation requirements following an entry. Riparian rules, including vegetation retention along designated streams, are met by not allowing the model to simulate any entry into those stands.

3. Site Indexes & Source of Index Values

Site index will be based off of measured dominant and codominant trees' diameters and heights as outlined in the project's new inventory design and procedures. These measurements will be used along with the appropriate site index reference curve for use in the growth and yield modeling described below in Section VIII.A.1.4.

4. Model Used & Calibration

The project will use the South Central Oregon and Northeast California (SO) Variant of the US Forest Service's Forest Vegetation Simulator (FVS) to develop estimates of growth and yield for input into the forest planning process. FVS will be parameterized to represent the above noted silvicultural prescriptions and site productivity metrics. When inventory plots are revisited the resulting data can be used to calibrate the model to represent local conditions. Forest planning in the form of silvicultural prescription adoption and harvest scheduling will be accomplished using a linear programming model based on the project carbon inventory and FVS growth and yield results.

2.	2. Describe and estimate the project's baseline onsite carbon stocks. Explain any annual changes in baseline carbon stocks over time.					
	The modeling of preliminary above-ground live tree carbon stocks in the baseline scenario					
	average 24 tCO2/acre over the 100-year modeling time horizon. Annual changes in ba					
	carbon stocks are the result of considering all legal and financial constraints in the model.					
	A graph portraying the baseline onsite carbon stocks, labeled "Attachment G," and a diagram of the baseline incorporating all					
	required carbon stocks, labeled "Attachment H," are required. See Part X of this listing document for more information.					
5.	The South Central Oregon and Northeast California (SO) Variant of the US Forest Ser	vice's				
	Forest Vegetation Simulator (FVS) will be used as the growth model for the project					
4.	Harvest Planning					
	a. Is harvesting planned in the Project Area?	⊠ Yes				
	If "yes," proceed to question 4b. Otherwise, skip to question A5.					
	If "yes," proceed to question 4c. Otherwise, skip to question A5.	⊠ Yes				
	c. How do you plan to address age class and stratification as part of your harvest scheduling?					
	Harvest scheduling will be constrained so that no more than 40% of the Project Are	a is in age				
	classes less than 20 years old. Harvest unit age class and stratum will be updated	post				
	narvest based on the silvicultural prescriptions utilized (even-aged versus uneven-a	igea).				
5.	The preliminary estimate of average carbon that will be stored long-term in harvested wood products in the baselin	e. vood				
	products in the baseline (including landfill) is 1.5 tCO2e per acre					
B D2	equired for Improved Forest Management Projects on Private Lands ONLY					
1.	Provide the estimated initial above ground standing live carbon stock per acre for the project, if know	<u></u>				
	The preliminary estimate for the initial above ground standing live carbon stock is 24 to	O2e per				
	acre.	•				
2.	2. Provide the estimated adjusted above ground standing live carb stock per acre, if known.					
	The preliminary estimate for the adjusted above ground standing live carbon stock is 25 tCO2e					
	per acre.					
3.	Provide the Common Practice statistic associated with the Project Area.	Area ia				
	The preliminary estimate for the Common Practice Statistic associated with the Project	Area is				
A	Are the Project Area's initial above-ground standing live carbon stocks per acre above or below					
	Common Practice?					
	If below Common Practice, what is the High Stocking Reference for the Project Area?					
	The Project Area was neavily narvested as outlined in Section V.I. with inventory					
	levels growing over the prior 10-year period. Attachment 1 uses Equation 6.6. of the					
	to a below Common Proctice on they are in this area on well on a grant of most	🖂 Below				
	to or below Common Practice as they are in this case as well as a graph of past					
	SLOCKING IEVEIS.					
	attachments labeled "Attachment I." See Part X of this listing document for more information.					
5.	Does the Forest Owner(s) and its affiliate(s) own land in fee or hold timber rights on land outside	🛛 Yes				
	If "no," skip to question B.6.	🗌 No				
	If "yes" does the Protocol require the use of a weighted average carbon stock on lands in the same	🛛 Yes				
	Logical Management Unit (LMU, as defined in Section 6.2.1.1)? If "no." skip to question B.6.					
	If "yes," is inventory data available for the LMU or will the OPO use a					
	stratified vegetation analysis?	on Analysis				
6.	Provide a general description of the legal constraints affecting forest management activities in the Pr	oject Area;				
	include a description of each constraint (referring to Section 6.2.1.2 in the Protocol) as well as a narr constraints have on forest management.	ative those				
	The legal constraints affecting forest management activities in the Project Area are con	ntained in				
	the Oregon Department of Forestry Forest Practices Administrative Rules that implement	ent the				
	Oregon Forest Practices Act statute. The key constraints include limits on the size of c	learcuts.				
L						

	reforestation requirement	s, and vegetation retentio	n along certain stre	eams.		
	7 Broyide a description of the m	odeling techniques used to sir	nulate the effects of t	he constrai	nt	
	The project modeling plan	meets the requirements	of the these rules b	ov utilizina	n. a silvicu	ltural
	methods that conform to l	eave-tree and reforestation	on requirments follo	wina an i	entry R	inarian
	rules including vogetation	rotontion along designat	ad strooms, aro m	ot by not	ollowing	the model
	rules, including vegetation	these stands	eu sileanns, ale me	et by not a	anowing	i the model
	to simulate any entry into	those stands.				
	 baseline? (check one of the box Conducting a financial anal and returns, taking into con documented costs and retu Providing evidence that act place on other properties w Supporting documentation is required more information. 	ves) (ysis of the anticipated growth nsideration all legal, physical, rns for the project area or oth tivities similar to the proposed vithin the Forest Project's Asse vired. Submit as attachment labe	and harvesting regim and biological constra ner properties in the F baseline growth and assment Area within the led "Attachment J." See	e that capt ints, using orest Proje harvesting he past 15 Part X of th	ures all r regional ct's Asse regime f years is listing a	elevant costs norms or ssment Area lave taken
C,	Required for Improved Forest	Management Projects on	Public Lands ONLY			
	1. Has an initial forest carbon inv	ventory been conducted for the	e Project Area?			Yes
L		· · · · · · · · ·				
	2. Provide a projection of future	changes to Project Area fores	t carbon stocks extrap	olating fro	m histori	cal trends.
	3. Explain how current public pol constraints imposed by all app	licy will affect onsite carbon st blicable statutes, regulations, j	ocks and how the bas policies, plans, and ac	eline mode tivity-based	ling inco d funding	rporates
	4. Have carbon stocks in the Program year period?	ject Area been increasing or d	eclining over the prec	eding ten-	Inc	reasing clining
PA	RT IX. ADDITIONAL QUEST	IONS	an a			
Α.	Have any lands within the Projec program in the past? If "yes," identify the registry or progr	t Area ever been listed or regination regination the issue the set of the set	stered with an offset p ued credits below.	project regi	stry or	□ Yes ⊠ No
В.	Have greenhouse gas emission re Project Area been credited or cla whether in a voluntary or regulat If "yes," identify the registry or progr	eductions or removal enhanced imed for the purpose of green cory context? ram and provide details on the iss	ments associated with house gas mitigation o ued credits below.	lands with or reduction	in the 1 goals,	□ Yes ⊠ No
Reg	jistry/Program:	Reporting Period(s):	Vintage(s):	Num	ber of Cr	edits Issued:
N/Ā	A	N/A	N/A	N/A		
PA	RT X. ATTACHMENTS			Contraction (Contraction) Contraction (Contraction)		
А.	If the answer to Part IV.A is "yes ownership interest in the propert If the answer to Part IV.A is "no, undertake and list the project.	," provide documentation (e.g y and its interest in the trees " provide documentation supp	., deed of trust, title r and standing timber o orting the explanatior	eport, etc.) n the prope 1 of the OPC	showing erty. O's right	the OPO's
В.	If the answer to Part IV.C is "put management activities and basel policy decisions concerning the o	olic," provide documentation d ine including any public vettin ffset project.	emonstrating explicit g processes necessary	approval of to evaluat	f the offs te manag	et project's ement and X N/A
1					rmation d	
c.	If a Qualified Conservation Easen this form and the documents atta attachment to this listing docume Forest Projects, November 14, 20	nent (QCE) has been recorded, ached to it will eventually be s ent fulfills the requirement in 9 014 to provide ARB with a copy	, provide a copy. The ubmitted to ARB so su 9.1.1.1(18)(a) of the (/.	bmitting a Compliance	copy of t Offset P	he QCE as an rotocol U.S.
C. D.	If a Qualified Conservation Easen this form and the documents atta attachment to this listing docume Forest Projects, November 14, 20 If the project is located on one of demonstrating that the land with documentation that demonstrate governing body of the Tribe enter	nent (QCE) has been recorded, ached to it will eventually be si ent fulfills the requirement in 9 014 to provide ARB with a copy f the categories of Tribal land in the Project Area is owned b s the existence of a limited wa red into pursuant to section 9	, provide a copy. The ubmitted to ARB so su 9.1.1.1(18)(a) of the (/. listed in Part IV.E, pro by a tribe or private en liver of sovereign imm 5975(I) of the Cap-and	vide docun tity. Also punity betw I-Trade Reg	copy of t Offset P nentation provide reen ARB gulation.	and the N/A
C. D. E.	If a Qualified Conservation Easen this form and the documents atta attachment to this listing docume Forest Projects, November 14, 20 If the project is located on one of demonstrating that the land with documentation that demonstrate governing body of the Tribe enter Attach map(s) of the Project Area	nent (QCE) has been recorded, inched to it will eventually be si ent fulfills the requirement in 9 014 to provide ARB with a copy f the categories of Tribal land in the Project Area is owned b s the existence of a limited wa red into pursuant to section 9 a including:	, provide a copy. The ubmitted to ARB so su 9.1.1.1(18)(a) of the (/. listed in Part IV.E, pro y a tribe or private en liver of sovereign imm 5975(l) of the Cap-and	listing info bmitting a Compliance vide docum tity. Also p bunity betw I-Trade Reg	nentation offset Pr nentation provide reen ARB gulation.	and the

1.	Public	and	private	roads

- 2. Towns
- 3. Major watercourses (4th order or greater), water bodies, and watersheds
- 4. Topography
- 5. Townships, ranges, and sections or latitude and longitude
- 6. Existing land cover and land use (optional)
- 7. Forest vegetation types (optional)
- 8. Site classes (optional)
- 9. Land pressures and climate zone/classification (optional)
- 10. Historical land uses, current zoning, and projected land use within the Project Area (optional)
- 11. A georeferenced shape file (or other electronic file that can be read in a geographic information system) that clearly identifies the Project Area and boundaries. Note that the georeferenced shape file may constitute the required map if it includes the required map information listed above.
- F. Provide supporting documentation demonstrating that the offset project takes places on land that has greater than 10 percent tree canopy cover.
- G. Attach a graph portraying the baseline onsite carbon stocks with time depicted on the x-axis and metric tons CO₂e depicted on the y-axis.
- H. Attach a diagram of the baseline incorporating all required carbon stocks.
- I. For projects on <u>private lands ONLY</u>: If the Project Area's initial above-ground standing live carbon stocks are below Common Practice, submit an affidavit testifying that the inventory depicted over the past 10 years (used to determine the High Stocking Reference for the Project Area) is reasonably accurate and a summary of volume harvested over the past 10 years.
- J. For projects on private lands ONLY: Provide a description and supporting evidence, if applicable, that the growth and harvesting regime assumed for the baseline is financially feasible based on the qualifications in Section 6.2.1.3 of the Protocol.

PART XI. ATTESTATIONS AND OPO SIGNATURE

		e ,				
	I certify under penalty of perjury under the and/or GHG removal enhancements for	laws of	the State of Californi	a the	GHG reductions	
	Project Name:		Crediting Period Start Date:		Crediting Period End Date:	
MSP	Green Diamond Resource Company - Klamath East		09/29/2014		09/28/2039	
Initial	IFM	from		to		
	will be measured in accordance with the Con November 14, 2014, and all information req complete.	npliand uired t	ce Offset Protocol U.S o be submitted to ARE	. Fore 3 is tru	st Projects, ue, accurate, and	
	I understand I am voluntarily participating i Program under title 17, article 5, and by doi and enforcement mechanisms of this progra as the exclusive venue to resolve any and al in this article.	n the C ng so, 1 m and I dispu	California Greenhouse I am now subject to a subject myself to the tes arising from the e	Gas (Il reg juriso nforco	Cap-and-Trade ulatory requirements diction of California ement of provisions	
M5P Initial	I understand that the offset project activity and implementation of the offset project must be in accordance with all applicable local, regional, and national environmental and health and safety laws and regulations that apply to the offset project location. I understand that offset projects are not eligible to receive ARB or registry offset credits for GHG reductions and GHG removal enhancements that are not in compliance with the requirements of the cap-and-trade program.					
In signing this form, I certify under penalty of perjury of the laws of California that the information contained in this form is true, accurate, and complete. I further certify that I am an Account Representative of the Offset Project Operator (OPO)						
SIGNATU	SIGNATUREM L fuet Mike Pruett					
TITLE:	And Management and Rusiness	DATE			Revised	
Develop	oment		4/22/1	5	9/26/15	

Background for Application of Listing an Improved Forest Management U.S. Forest Offset Project

Section 95975 of the Cap-and-Trade Regulation describes the requirements and process for an Offset Project Operator (OPO) or Authorized Project Designee (APD) to list an offset project with an approved Offset Project Registry. This form is designed to help an OPO or APD fulfill the requirements of Section 95975 of the Cap-and-Trade Regulation and of Section 9.1.1 of the Compliance Offset Protocol U.S. Forest Projects, November 14, 2014, for listing an offset project. The U.S. Forest protocol designates three project types: Avoided Conversion, Improved Forest Management, and Reforestation. This form is designed for Improved Forest Management projects only. The information in the completed form should be submitted to the approved Offset Project Registry with which the OPO or APD would like their offset project listed.

Where to Submit Information Contained in This Form

Please complete the information on the form using your computer. Then print, sign, and scan the form. The completed and signed information and all supporting documentation should be submitted to the appropriate <u>Offset Project Registry</u>.

Copies of this form can be downloaded from the ARB website at: http://www.arb.ca.gov/cc/capandtrade/offsets/forms/forms.htm

Detailed Instructions for Application for Listing an Improved Forest Management U.S. Forest Offset Project

This form is protected with restricted editing to facilitate completing the form. If the applicant wishes to unprotect the form, the password is "form".

Part I. Entity Applying for Listing:

- Indicate whether the Offset Project Operator (OPO) or Authorized Project Designee (APD) is submitting the information for project listing. Section 95975(a) of the Cap-and-Trade Regulation requires that the OPO and, if applicable, the APD must register with ARB for the Cap-and-Trade Program prior to listing a project. It also requires that neither the OPO nor APD be subject to any Holding Account restrictions imposed as part of an enforcement action. To register with ARB, please visit the website for Compliance Instrument Tracking System Services (CITSS): <u>https://www.wcicitss.org/</u>
- List the name, organization, phone number, and email address of the person submitting the information. This person should be an employee of the OPO or APD, whichever entity is making the submission. The person submitting the information need not be the same person as the contact person listed for the OPO or APD in Part III and also need not be the person signing the form in Part XI.
- The person submitting the information should indicate the date the form is completed.

Part II. Offset Project Information:

- Provide the name for the offset project. Indicate the offset project commencement date and the start and end dates of the first reporting period; approximations are acceptable if precise dates are unknown.
- Project commencement for an Improved Forest Management Project must be linked to a discrete, verifiable action that delineates a change in practice that increases sequestration and/or decreases emissions relative to the forest project's baseline. This date could be when the Project Area is transferred to public ownership, when a conservation easement on the Project Area is recorded, or when submitting the offset project listing information.

Part III. OPO/APD Information:

- Enter contact information for the OPO and APD requesting the offset project listing. Every offset project will have an OPO. If an offset project does not have an APD, please mark the box indicating the Offset Project does not have an APD and leave the remaining fields blank.
- For both the OPO and, if applicable, the APD, enter the entity's name, its mailing address, and the name, phone number, and email address of a contact person for the entity. Also include its CITSS ID number. The CITSS ID is six characters in length, with two letters followed by four numbers (e.g.,

"CA1234"). **DO NOT PROVIDE THE CONFIDENTIAL CITSS ACCOUNT NUMBER**, which begins

with the CITSS ID number followed by a hyphen and more numbers.

Part IV. Land Ownership:

- This part includes questions regarding land ownership and property interests.
- Further documentation is required based on the responses to some questions. See Part X of this listing form for more information on the precise requirements.

Part V. Offset Project Area:

- This part asks for qualitative descriptions of the offset Project Area.
- Maps are required to complement the descriptions provided in this part. See Part X of this listing form for more information on the precise requirements.
- The Project Area should be determined following the requirements of Section 4 of the Compliance Offset Protocol U.S. Forest Projects, November 14, 2014.
- Assessment areas shall be determined by referencing the Assessment Area Data File available at: <u>http://www.arb.ca.gov/cc/capandtrade/protocols/usforestprojects.htm</u>

Part VI. Offset Project Eligibility:

- The questions in this part are designed to facilitate the determination of project eligibility for Improved Forest Management Projects.
- Further documentation is required based on the responses to some questions. See Part X of this listing form for more information on the precise requirements.
- Details on the eligibility requirements for Improved Forest Management Projects can be found in Sections 2.1.2, 3.1, and 3.8 of the Compliance Offset Protocol U.S. Forest Project, November 14, 2014.
- Details on the Natural Forest Management criteria can be found in Table 3.2 in the Compliance Offset Protocol U.S. Forest Project, November 14, 2014.

Part VII. Carbon Stock Inventory:

- Projects are not required to have completed a full carbon stock inventory at the time of listing, but OPOs/APDs should be familiar with Appendix A and have a plan for how they will meet the requirements therein. Therefore, a general description of the project's inventory methods and procedures, consistent with the requirements in Appendix A.3, is required at the time of listing. ARB recognizes that some information provided will be preliminary and based on best estimates. If the project's inventory methodology changes between the time of listing and submission of the first OPDR, this should be reported as a change to the information submitted at project listing when submitting the first OPDR.
- Section 6.2 of the Compliance Offset Protocol U.S. Forest Projects, November 14, 2014 outlines the approved quantification methodologies for Improved Forest Management Projects. Further details on completing a forest project carbon inventory can be found in Appendix A of the Protocol.
- Follow the steps in Appendix D of the Compliance Offset Protocol U.S. Forest Projects, November 14, 2014 to quantify the project's reversal risk rating.
- The project's expected contribution to the Forest Buffer Account is determined annually based upon the project's risk of reversal and is calculated by multiplying the project specific reversal risk rating by the total net GHG reductions/removals achieved by the project. An approximation of the contribution to the Forest Buffer Account is acceptable.

Part VIII. Offset Project Baseline:

- Projects are not required to have a finalized baseline at the time of listing, but OPOs/APDs should be
 familiar with Appendix B and have a plan for how they will meet the requirements therein. A complete
 modeling plan reflecting the requirements in Appendix B.3 is therefore required at the time of listing.
 ARB recognizes that some information provided will be preliminary or based on best estimates. If the
 project's modeling plan or baseline estimates change between the time of listing and submission of
 the first OPDR, this should be reported as a change to the information submitted at project listing
 when submitting the first OPDR.
- Note that IFM projects located on public land must present documentation demonstrating explicit approval of the offset project's management activities and baseline. These projects may report changes to the baseline within the initial OPDR if the changes have gone through a public review process and meet the Protocol requirements regarding explicit approval of the project's baseline.
- This part is divided into three sections: questions required for all Improved Forest Management Projects; questions for Improved Forest Management Projects on private lands; and questions for

Improved Forest Management Projects on public lands. Answer the questions applicable to the project.

- Section 6.2 of the Compliance Offset Protocol U.S. Forest Projects, November 14, 2014 outlines the approved quantification methodologies for Improved Forest Management Projects. Instructions for considering legal and financial constraints can be found in Sections 6.2.1.2 and 6.2.1.3, respectively. Further details on modeling carbon stocks can be found in Appendix B of the Protocol.
- ARB approved growth models can be found in Appendix B, Section B.1 of the Compliance Offset Protocol U.S. Forest Projects, November 14, 2014.
- When a requirement is not applicable to the project being listed, please select the "N/A" (Not Applicable) checkbox next to the requirement so that it is clear that the question was not inadvertently left unanswered.

Part IX. Additional Questions:

• Answer both questions. If the answer to either question is "yes," identify the registry or program and provide details on the issued credits in the space provided.

Part X. Attachments:

- Provide each attachment on a separate sheet of paper and submit along with the completed application for listing.
- To aid with tracking each attachment, it is recommended that the attachments are labeled to correspond with the letter in Part X that they refer to (e.g. "Attachment B").
- When an attachment is not applicable to the project being listed, please select the "N/A" (Not Applicable) checkbox next to the requirement so that it is clear that the attachment was not inadvertently left off.

Part XI. Attestations and OPO Signature:

- Section 95975(c) of the Cap-and-Trade Regulation requires three attestations for listing an offset project. The required attestations are provided in this section. Each attestation should be initialed by the person signing the form.
- The first attestation requires the applicant to provide the offset project name and the start and end dates of the crediting period to complete the statement. The offset project name should match the name entered in Part II. The dates for the offset project's crediting period must also be provided. Please note that the dates provided in the attestation are for the crediting period, not for the first reporting period provided in Part II. The crediting period dates may be approximate if precise dates are not known.
- Amendments adopted in April 2014 to section 95975(d) require the attestations "be provided to an Offset Project Registry with the listing information, if being listed with an Offset Project Registry."
- The individual signing the document must be registered in CITSS as the OPO's Primary Account Representative or Alternate Account Representative. The individual signing the document may be an APD employee and/or representative; but to sign the document, the individual must be an Account Representative on the OPO's CITSS account.
- Please provide the person's signature, printed name, corporate title, and date signed.

Please contact your Offset Project Registry with any questions.