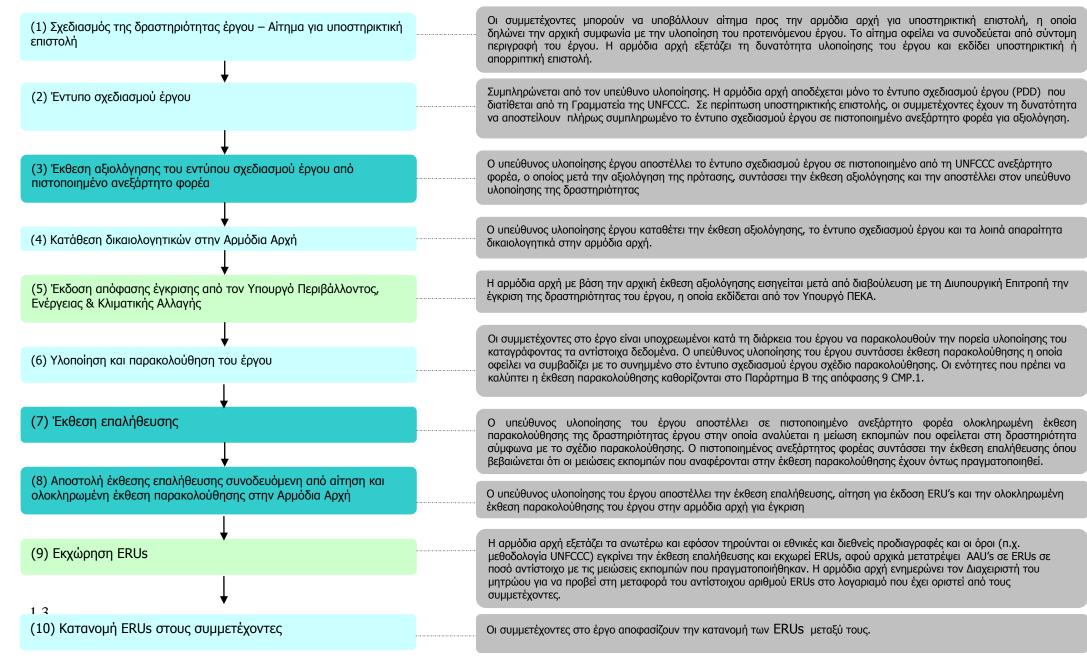
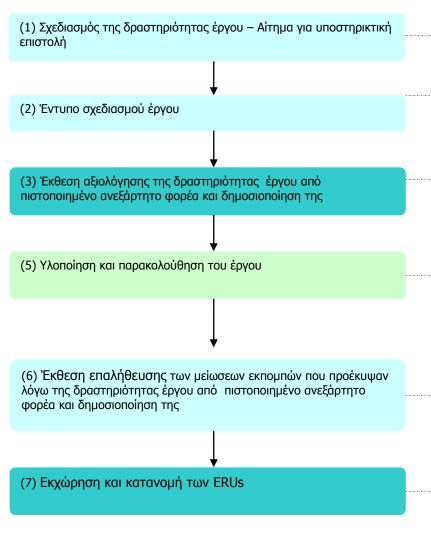
1 Παράρτημα 1

- 1.1.1 Σχήμα 1: Διαδικασία υλοποίησης δραστηριότητας έργου JI κατηγορίας Ι εντός της ελληνικής επικράτειας
- 1.1.2 Σχήμα 2: Διαδικασία υλοποίησης δραστηριότητας ἐργου JI κατηγορίας II εντός της ελληνικής επικράτειας
 - 1.1.3 Σχήμα 3: Διαδικασία υλοποίησης δράστηριότητας έργου CDM 1.1.4

.2 Σχήμα 1: Διαδικασία υλοποίησης δραστηριότητας έργου JI κατηγορίας Ι εντός της ελληνικής επικράτειας



Σχήμα 2: Διαδικασία υλοποίησης δραστηριότητας έργου JI κατηγορίας II εντός της ελληνικής επικράτειας



Οι συμμετέχοντες μπορούν να υποβάλλουν αίτημα προς την αρμόδια αρχή για υποστηρικτική επιστολή, η οποία δηλώνει την αρχική συμφωνία με την υλοποίηση του προτεινόμενου έργου. Το αίτημα οφείλει να συνοδεύεται από σύντομη περιγραφή του έργου. Η αρμόδια αρχή εξετάζει τη δυνατότητα υλοποίησης του έργου και αποστέλλει υποστηρικτική ή απορριπτική επιστολή.

Συμπληρώνεται από τον υπεύθυνο υλοποίησης. Η αρμόδια αρχή αποδέχεται μόνο το έντυπο σχεδιασμού έργου (PDD) που διατίθεται από τη Γραμματεία της UNFCCC. Σε περίπτωση υποστηρικτικής επιστολής, οι συμμετέχοντες έχουν τη δυνατότητα να αποστείλουν πλήρως συμπληρωμένο το έντυπο σχεδιασμού έργου σε πιστοποιημένο ανεξάστητο φορέα για αξιολόνηση.

Ο πιστοποιημένος ανεξάρτητος φορέας εξετάζει και αξιολογεί το έντυπο σχεδιασμού έργου (αποφάσεις έγκρισης, συμπληρωματικότητα, σενάριο βάσης, σχέδιο παρακολούθησης, εκτίμηση περιβαλλοντικών επιπτώσεων) σύμφωνα με τα κριτήρια που ορίζει η απόφαση 9 CMP.1 και συντάσσει αιτιολογημένη έκθεση αξιολόγησης. Στη συνέχεια δημοσιοποιεί την έκθεση του μέσω της Γραμματείας της UNFCCC, Μετά από περίοδο 45 ημερών από τη δημοσιοποιήση και εφόσον δεν υπάρξει αίτημα επανεξέτασης είτε από κάποιον από τους συμμετέχοντες είτε από τρία από τα μέλη της Επιτροπής Εποπτείας του μηχανισμού JI, η αξιολόγηση θεωρείται ότι έχει λήξει επιτυχώς. Η επανεξέταση διενεργείται, σε μέγιστο χρονικό διάστημα 6 μηνών, από την Επιτροπή Εποπτείας και τα αποτελέσματα της είναι οριστικά.

Οι συμμετέχοντες στο έργο είναι υποχρεωμένοι κατά τη διάρκεια του έργου να παρακολουθούν την πορεία υλοποίησης του καταγράφοντας τα αντίστοιχα δεδομένα. Συντάσσουν έκθεση παρακολούθησης της δραστηριότητας έργου η οποία οφείλει να συμβαδίζει με το συνημμένο στο έντυπο σχεδιασμού έργου σχέδιο παρακολούθησης και την καταθέτουν σε πιστοποιημένο ανεξάρτητο φορέα. Οι ενότητες της έκθεσης παρακολούθησης καθορίζονται στο Παράρτημα Β της απόφασης 9 CMP.1.

Ο πιστοποιημένος ανεξάρτητος φορέας συντάσσει την αιτιολογημένη έκθεση επαλήθευσης όπου βεβαιώνεται ότι οι μειώσεις εκπομπών που αναφέρονται στην έκθεση παρακολούθησης έχουν όντως πραγματοποιηθεί. Στη συνέχεια δημοσιοποιεί την έκθεση του μέσω της Γραμματείας της UNFCCC,; Μετά από περίοδο 15 ημερών από τη δημοσιοποιόηση και εφόσον δεν υπάρξει αίτημα επανεξέτασης είτε από κάποιον από τους συμμετέχοντες είτε από τρία από τα μέλη της Επιτροπής Εποπτείας του μηχανισμού JI, η αξιολόγηση θεωρείται ότι έχει λήξει επιτυχώς. Η επανεξέταση διενεργείται, σε μέγιστο χρονικό διάστημα 30 ημερών, από την Επιτροπή Εποπτείας και τα αποτελέσματα της είναι οριστικά.

Η αρμόδια αρχή εκχωρεί ERUs, αφού αρχικά μετατρέψει AAU's σε ERUs σε ποσό αντίστοιχο με τις μειώσεις εκπομπών που πραγματοποιήθηκαν. Η αρμόδια αρχή ενημερώνει τον Διαχειριστή του μητρώου για να προβεί στη μεταφορά του αντίστοιχου αριθμού ERUs στο λογαριαμό που έχει οριστεί από τους συμμετέχοντες. Οι συμμετέχοντες στο έργο αποφασίζουν την κατανομή των ERUs μεταξύ τους.

Σχήμα 3: Διαδικασία υλοποίησης δραστηριότητας έργου CDM 1.4 Οι συμμετέχοντες σχεδιάζουν τη δραστηριότητα έργου λαμβάνοντας (1) Σχεδιασμός της δραστηριότητας έργου και υπόψη τα κριτήρια και τους όρους έγκρισης. Συμπληρώνουν το συμπλήρωση εντύπου σχεδιασμού έργου έντυπο σχεδιασμού έργου το οποίο διατίθεται στο δικτυακό χώρο της UNFCCC ανάλογα με τον τύπο του έργου (μεγάλης ή μικρής κλίμακας, LULUCF). Η έγκριση συμμετοχής από τις αρμόδιες αρχές των χωρών όλων των συμμετεχόντων είναι απαραίτητο να έχει εκδοθεί μέχρι το στάδιο (4) (2) Έγκριση από τις Αρμόδιες Αρχές των όπου γίνεται η επίσημη καταχώρηση της δραστηριότητας έργου στο χωρών των συμμετεχόντων στη δραστηριότητα Μητρώο του CDM. έργου Η επικύρωση αποτελεί ανεξάρτητη αξιολόγηση μίας δραστηριότητας έργου που εκτελείται από πιστοποιημένο ανεξάρτητο φορέα και (3) Επικύρωση από πιστοποιημένο ανεξάρτητο οφείλει να ακολουθεί μία τυποποιημένη διαδικασία. φορέα (DOE) Η καταχώριση διεξάγεται από το Εκτελεστικό Συμβούλιο του CDM με προκαθορισμένη διαδικασία όπως ορίζεται στο CMP/2005/8/Ad1. (4) Καταχώρηση: επίσημη αποδοχή του έργου Για την ολοκλήρωση της καταχώρησης είναι απαραίτητη η υποβολή ως δραστηριότητα έργου CDM της έκθεσης επικύρωσης συνοδευόμενη με το σχετικό αίτημα από του πιστοποιημένου ανεξάρτητου φορέα στη Γραμματεία της UNFCCC. Οι συμμετέχοντες οφείλουν να συλλέγουν και να τηρούν σε αρχείο όλα τα σχετικά δεδομένα για τον υπολογισμό των μειώσεων των (5) Παρακολούθηση της δραστηριότητας εκπομπών Α.Θ. που προέρχονται από τη δραστηρότητα έργου. Το έργου CDM έργο υλοποιείται σύμφωνα με το σχέδιο παρακολούθησης που συμπεριλαμβάνεται στο έντυπο σχεδιασμού έργου. Αιτιολογημένη αίτηση αναθεώρησης του σχεδίου παρακολούθησης μπορεί να κατατεθεί από τον πιστοποιημένο ανεξάρτητο φορέα, πριν από την κατάθεση αιτήματος έκδοσης των CERs (6) Έκθεση επαλήθευσης και έκδοση Η σταδιακή και εκ των υστέρων επαλήθευση των πραγματοποιημένων πιστοποίησης των μειώσεων εκπομπών μειώσεων εκπομπών ως αποτέλεσμα της δραστηριότητας έργου και η σύμφωνα με την έκθεση επαλήθευσης πιστοποίηση τους διεξάγεται από τον πιστοποιημένο ανεξάρτητο (verification & certification) φορέα σύμφωνα με προκαθορισμένη διαδικασία που περιγράφεται στο παράρτημα της απόφασης 3/CMP.1. Το Εκτελεστικό Συμβούλιο του CDM με προκαθορισμένη διαδικασία εκδίδει τα CERs που αντιστοιχούν στην έκθεση πιστοποίησης. 2% (7) Έκδοση CERs των CERs παρακρατείται για την υποστήριξη του κόστους της προσαρμογής των αναπτυσσόμενων χωρών στην κλιματική αλλαγή. Η απόφαση για την κατανομή των CERs μεταξύ των συμμετεχόντων (8) Κατανομή CERs στους συμμετέχοντες λαμβάνεται από τους συμμετέχοντες και ενημερώνεται σχετικά το Εκτελεστικό Συμβούλιο του CDM.

2 Παράρτημα 2

- Εναρμονισμένες κατευθυντήριες οδηγίες για την έγκριση υδροηλεκτρικών έργων άνω των 20 MW
 - 2.1.1 (Guidelines on a common understanding of Article 11b(6) of Directive 2003/87/EC as amended by Directive
 - 2.1.2 2004/101/EC, 17 November 2008)
- «Έκθεση συμμόρφωσης για την αξιολόγηση αιτήσεων δραστηριοτήτων υδροηλεκτρικών έργων με
 2.1.3 δυνατότητα παραγωγής άνω των 20 MW»

COMPLIANCE REPORT ASSESSING APPLICATION OF ARTICLE 11 b (6) OF EMISSIONS TRADING DIRECTIVE TO HYDROELECTRIC PROJECT ACTIVITIES EXCEEDING 20 MW

(Final Version of 17 November 2008)

Section 1: Description of the project

1: Summary description of the CDM project activity	Please complete
Name of the project	
Project ID Number	
Location	
Name of the watercourse	
Date of completion of the Compliance Report	
1.1. Project area	
 Description of the watershed: Political and administrative boundaries Communities located along Principal land use patterns Existing and planned river flow modifications Average annual runoff (m³) 	
2. Average annual river flow (m ³ /s)	
 Average annual river runoff before and after project's implementation (m³⁾ 	

4.	State briefly what impacts other hydrological projects have had on the river basin within 50 km (untouched, affected, significantly affected by other activities).	
5.	Ecological description of the surroundings (forest, cultivated land, wasteland, cultural heritage sites etc.) conservation value	
1.2. Pr	oject-related activities	
1.	Type of water infrastructure (i.e. storage reservoir, run-of-river, other)	
2.	Related infrastructure being built as part of the project (i.e. roads, transmission lines, bridges)	
3.	Installed generation capacity (MW)	
4.	Load factor	
5.	Average annual energy production (MWh)	
6.	What role does the project play in the national/regional electricity supply (base load, peak load, load balancing services for the grid, support for intermittent renewables, etc.)?	
7.	Estimated annual emission reduction potential (tCO2e)	
8.	At what stage is the project's construction at the time of this application?	
9.	What other direct purposes does the project serve	

(irrigation, flood control, water storage for drought protection, water-based transport, leisure facilities, aquaculture, industrial and municipal water supply, etc)?	
1.3. Project components Water-flow: structures and changes	
Production capacity-submerged area (W/m²)	
Retention structure/retarding structure (if present)	
3. Type of water diversion	
4. Length of diversion	
5. Type of water inlet	
6. Reservoir (if present)	
7. Dam height (from the foundation)	
8. Crest length	
Reservoir area at average water level	
10. Total reservoir capacity (m³)	
11. Backwater length	
12. Submerged area in total	

13. Submerged residential area	
14. Submerged farmland/grassland	
15. Number of displaced inhabitants	
16. Production capacity/submerged area(W/m2)	

Section 2: Assessment of compliance with the WCD criteria

Please complete this form with full explanations for all items. If a criterion is not relevant to the project, please explain why.

CRITER	RIA			
1. Gai	nining Public Acceptance Description		Sources ¹	Validator's Assessment
1.1. St	akeholder consultation			
1.	Describe how the relevant stakeholders were identified.			
2.	Are any of these people minority groups, especially indigenous people and if so, what special efforts were taken to identify and meet their needs?			
3.	How many people have to be resettled due to the project?			
4.	Resettled people/annual energy production (number/GWh).			
5.	How many people were otherwise affected by the project (e.g. through loss of land, reduced productivity of fishing or hunting, etc.)?			
6.	Describe how the affected local people and other relevant stakeholders have been informed and involved in the decision-making process of building the power plant.			
7.	Describe how the affected local people and relevant stakeholders have been informed about the impacts of the			

¹ Such as process documentation, stakeholders and issues identification, consultation strategies, resources planning, compensation plans, timetables, information sharing, written agreements with stakeholders, records of interviews, results of surveys/polls, minutes of meetings of the Stakeholders Forum, project documentation, Environmental Impact Assessments, documents related to local spatial planning, government and local authorities permits and agreements, description of methodologies used, decommissioning plans (where appropriate), other related environmental impact and social impact studies, etc.

	project on their quality of life.		
8.	How have the affected local and indigenous communities participated in the decision-making process?		
9.	How will the economic and social impacts of the project on the affected local communities, indigenous people and/or other relevant stakeholders be addressed?		
10.	How do compensation and benefit agreements correspond with the identified needs and rights of the stakeholders negatively affected upstream and downstream due to the project?		
11.	Was a Stakeholders Forum held with a broad local community participation (based on a customary and national law)? Describe the process and its outcome, and the response of project developer, local and national authorities?		
.2. Tra	ansparency.		
1.	Was key project documentation (e.g., social and environmental impact assessments) made publicly available before a decision to start construction was made?		
2.	In what form was project documentation made available to stakeholders? Was it the original EIA etc. or was it in another form e.g., a summary of positive and negative effects of the hydrological construction.		
3.	How many of the total number of stakeholders have had access to the		

4.	key documentation and have been actively involved? Is there a negotiated agreement between the stakeholders and project		
	owner(s)? If so, is it publicly available?		
Validat	or's Conclusions concerning Priority 1	:	
2. Com	prehensive Options Assessment		
2.1 Ne	eds		
1.	What priority is given to hydropower in national development or energy planning (e.g. relevant government decisions)?		
2.	What are the needs for hydropower at regional and local level?		
3.	What are the regional/national supply needs of the electric system (renewable base load, peak load or load balancing of the grid, support of intermittent renewables)?		
4.	Describe safeguards for equitable access to water resources. How do hydropower projects contribute to efficient water resources management?		
5.	Does this hydropower project provide financial incentives to develop a multipurpose project?		
2.2. Alt	ernatives		
1.	Describe the examination of		

	alternatives to the project that have been considered (include details of feasibility studies and do-nothing options analysis that have been conducted).		
2.	Have stakeholders been involved in the identification of the options? Describe process and outcome of that involvement.		
3.	What are the main reasons behind the project choice and site selection (social, environmental, economic, and technical)?		
4.	What are the consequences of non- action for the local and global environment?		
5.	On the project assessment level, describe project variants and types of technology considered in comparison with the selected option.		
Valida	tor's Conclusions concerning Priority 2	:	
3. Add projec	ressing Existing Dams/hydroelectric ts		
1.	For hydroelectric projects with dams, please describe the national requirements and routines for monitoring and reporting regarding: - emergency warning, - sediment management, - safety system, - maintenance system, - environmental impact, - social impact, - implementation of compensation		

	agreements.		
2.	For non-dam projects, describe details of the continuous monitoring of the project (environmental and quality assurance).		
3.	How have relevant outstanding social and environmental issues from existing dams/hydroelectric projects in the river basin been addressed?		
4.	Have national regulations been enforced for existing dams and what can be concluded with regard to compliance?		
5.	Will the implementation of safety measures and evacuation plans be independently audited?		
6.	Provisions for maintenance and decommissioning		
-	What provisions have been made for maintenance and refurbishment (eg. a maintenance and refurbishment fund)?		
-	What arrangements are made for decommissioning at the end of the plant lifetime, if any (e.g. decommissioning set aside fund)?		
-	Describe provisions for emergency drawdown and decommissioning.		
-	Are they sufficiently flexible to accommodate changing future needs and values, including ecosystem needs and ecosystem restoration (Guideline 12)?		

- Does the licence for project development define the responsibility and mechanisms for financing decommissioning costs?		
 Describe economic, environmental, social and political factors that may point against future decommissioning, if this has been recognised as the best solution. 		
Validator's Conclusions concerning Priority 3	:	
4. Sustaining Rivers and Livelihoods		
4.1. Water use ratio ²		
 Water use ratio (ratio of natural flow, agricultural water, industrial water, domestic water) including: 1. population of the river basin area (10⁶ inhabitants); 2. natural mean flow (km³/year); 3. demand (km³/year); 4. water use ratio (%); 5. comparison of water demand with natural mean flow; 6. storage capacity (km³); 7. annual water consumption by type of users (hm³/year): agricultural and farming, domestic use, industrial use 		

² Water Use Ratio - an environmental indicator which refers to the withdrawal of water for irrigation, industry, household use... A ratio of 25% or higher is generally an indicator of water stress. Important water demanding activities affect seriously its quantity and in consequence the availability of water resources. Some of these driving forces are urbanization, industry and agricultural production. The increase in impervious surface has the effect of reducing water infiltration and aquifer recharge Εγκύκλιος για την έγκριση δραστηριοτήτων έργων ευέλικτων μηχανισμών

4.2 Impact Assessment (Note: both positive and negative impacts should be included here) What Impact Assessments have been carried out and on which regulations were they based on? – Describe the major impacts in each of the following categories and the mitigation measures for negative impacts:		
4.2.1. Environmental Impacts Describe environmental impacts of the project (including impact on water quality (temperature, oxygen, etc.), soil, air quality, GHG emissions, biodiversity, habitats, risk of erosion caused by inundation etc.)		
 4.2.2. Environmental Flow Assessment Describe how the environmentally safe minimum flow has been determined. Describe the measures taken to minimise the impact of reduced flow in the affected river. Describe the measures taken to maintain ecosystems, productive fisheries and other aqua-cultures downstream and upstream. 		
4. Describe the activities the project developer will undertake before flooding the land (e.g. clearing of vegetation or other preparations).		
Describe any other compensatory measures addressing environmental impacts of the project		

Social Impact Assessment			
Describe social impacts of the project (including resettlement, impacts on other land or river use e.g. fishing, agriculture, hunting and use of other types of natural resources and including benefits to individuals and communities)			
Describe any identified health impacts due to the project.			
Describe impacts on religious and cultural heritage.			
Describe the liability provisions safeguarding the implementation of the planned measures.			
Is the project planned in a responsible way in order to sustain livelihoods and the environment?			
mulative Impacts			
ogical structures existing in the river			
flow regime,			
water quantity,			
productivity,			
water quality species composition of different rivers in the same river basin			
	Describe social impacts of the project (including resettlement, impacts on other land or river use e.g. fishing, agriculture, hunting and use of other types of natural resources and including benefits to individuals and communities) Describe any identified health impacts due to the project. Describe impacts on religious and cultural heritage. Describe the liability provisions safeguarding the implementation of the planned measures. Is the project planned in a responsible way in order to sustain livelihoods and the environment? Inmulative Impacts be the cumulative impacts of all origical structures existing in the river using variables such as: flow regime, water quantity, productivity, water quality species composition of	Describe social impacts of the project (including resettlement, impacts on other land or river use e.g. fishing, agriculture, hunting and use of other types of natural resources and including benefits to individuals and communities) Describe any identified health impacts due to the project. Describe impacts on religious and cultural heritage. Describe the liability provisions safeguarding the implementation of the planned measures. Is the project planned in a responsible way in order to sustain livelihoods and the environment? Imulative Impacts be the cumulative impacts of all ogical structures existing in the river using variables such as: flow regime, water quantity, productivity, water quality species composition of	Describe social impacts of the project (including resettlement, impacts on other land or river use e.g. fishing, agriculture, hunting and use of other types of natural resources and including benefits to individuals and communities) Describe any identified health impacts due to the project. Describe impacts on religious and cultural heritage. Describe the liability provisions safeguarding the implementation of the planned measures. Is the project planned in a responsible way in order to sustain livelihoods and the environment? Insulative Impacts be the cumulative impacts of all orgical structures existing in the river using variables such as: flow regime, water quantity, productivity, water quality species composition of

Validator's Conclusions concerning Priority 4:					
5. Recognising Entitlements and Sharing Benefits					
Are Mitigation, Resettlement and Development Action Plans (where applicable - including commensurate compensation packages) in place? Provide details:					
1.	Demonstrate that the construction of the plant did not lead to worsening of the living conditions of the local residents and resettled families				
2.	Were compensation and benefit agreements planned in consultation with affected groups?				
3.	What standards were the measures based on? (e. g. national standards or other)				
4.	Were the affected people satisfied with the compensation packages?				
5.	Benefits for the affected people (individuals and communities): In what way will the affected local and indigenous population's livelihoods be improved due to the project?				
Validator's Conclusions concerning Priority 5:					
6. Ensuring Compliance					
6.1. Compliance measures:					

1.	What will be done to ensure that relevant laws, regulations, agreements (including resettlement and compensation agreements) and recommendations are followed?		
2.	Are the compensation agreements legally binding – through treaties, administrative acts or other safeguards?		
3.	Is the cost of the compensation package included in the financial plan?		
4.	Does the project developer already operate other hydroelectric power stations? If so, have there been any conflicts between the project developer and stakeholders related to the development, operation and compensatory measures related to these projects? If so, describe the cause of the conflict and how it was resolved.		
6.2. Monitoring and evaluation during crediting period:			
1.	Describe conditions in place for monitoring and evaluation of environmental and socio-economic impacts of the project.		
2.	What provisions have been made to ensure that all measures not yet implemented at the time of validation will be put in place as appropriate, and monitored (for example through an independent auditing panel or auditor, or through self-auditing etc.)?		

Validator's Conclusions concerning Priority 6:							
7. Sharing rivers for peace, development and security.							
Does the project have trans-boundary impacts? - If so, give details of agreement(s) between affected countries, considering international recommendations for trans-boundary water projects and describe how this affects the project.							
Validator's Conclusions concerning Priority 7:							
Validator's assessment as to how the project respects the seven strategic priorities outlined in the World Commission on Dams November 2000 Report "Dams and Development – A New Framework for Decision-Making"							
Name: Function: Contact details: Company/validating entity: Date of validation of the Compliance Report:							

Guidelines on a common understanding of Article 11b (6) of Directive 2003/87/EC as amended by Directive 2004/101/EC (non-paper)

Objective: To harmonize the procedure in relation to large hydropower projects under Article 11b(6) so as to give the market and the Member States confidence when using and accepting CERs/ERUs under the EU ETS.

I. Introduction

- 1. This document stems from an attempt to reach an agreement among the Member States and the Commission on the interpretation and application of Article 11b(6) of the Linking Directive.
- 2. The document establishes a common understanding of the meaning of certain aspects of the text of Article 11b(6) relating to its scope (see Section III.1.: "Scope", below) and on the means whereby project proponents can establish that their projects meet the relevant requirements (see Section III.2.: "Demonstrating Compliance", below). Although the <u>final decision</u> regarding the acceptance of a project as meeting the aforementioned requirements <u>remains the responsibility of the Member State</u> approving the project activity, agreement on these principles ensures that the competent DNAs/DFPs use the same criteria specified in the Compliance Report Template₁ when assessing similar hydropower project activities. This is aimed to ensure that project proponents receive fair and equal treatment regardless of which Member State they apply to for approval, thus giving clarity to the carbon market.
- 3. By adopting these guidelines, and the Compliance Report Template through national procedures by 1 April 2009, Member States aim at creating a level playing field for proponents of hydroelectric project activities. The agreement to abide by these guidelines is a voluntary agreement by the Member States. Its purpose is to facilitate a harmonised approach to the implementation of Article

11b (6) across the EU and to give Member States confidence in accepting CERs/ERUs from these projects for use in the EU ETS. It does not compromise the sovereign authority of the DNA/DFP of each Member State to decide which project activities to approve.

¹ "Compliance Report assessing application of Article 11 b (6) of the Emissions Trading Directive to hydroelectric project activities exceeding 20MW", see Annex 1 to the "Guidelines".

- 4. According to Article 11a of the Directive, "Member States... may allow operators to use CERs and ERUs from project activities in the Community scheme". The Directive stipulates that a decision which CERs and ERUs can be used is left to Member States, with the exception of carbon credits that are excluded from use in the EU ETS.2 Since participation in JI and CDM project activities is voluntary, and the directive ultimately lets Member States decide whether to allow the use of carbon credits from project activities in the Emissions Trading system, "companies should be encouraged to improve the social and environmental performance of JI and CDM activities in which they participate".3 In the case of hydroelectric projects with generating capacity above 20 MW, these requirements are defined in Article 11b(6) which states: "In the case of hydroelectric power production project activities with a generating capacity exceeding 20 MW, Member States shall, when approving such project activities, ensure that relevant international criteria and guidelines, including those contained in the World Commission on Dams November 2000 Report "Dams and Development – A New Framework for Decision-Making", will be respected during the development of such project activities." The interpretation of this article currently varies among Member States and so has led to fragmentation of the carbon market and uncertainty for its participants.
- 5. Member States have agreed to accept in principle common guidelines for approval of large hydropower project activities, which may also constitute guidance for Member States on which carbon credits to accept for compliance.
- 6. A document entitled "Compliance Report Assessing Application of Article 11b(6) of Emissions Trading Directive to Hydroelectric Project Activities Exceeding 20 MW" (further referred to as the Compliance Report Template) sets out the assessment criteria selected by Member States. These criteria will be applied by DNAs/DFPs to select large hydro project activities that will generate carbon offsets allowed in the Community trading scheme.

² Carbon offsets from nuclear project activities and temporary credits from the LULUCF projects.

Recital 15 in the preamble to the Directive 2004/101/EC

- 7. Once a project activity has received a Letter of Approval (LoA) from an investor country upon the submission and positive assessment of a validated Article 11b(6) Compliance Report, all Member States agree to accept CERs/ERUs from this project for use in their national registries under the EU ETS.
- 8. Credits from all hydro project activities approved by Member States before 1
 April 2009 can also be surrendered for compliance in the national registries of
 Member States. In this regard, in line with Article 11a of the Directive, Member
 States may exercise their sovereign right to decide which carbon offsets to
 accept for compliance. If so decided by a Member State, the acceptance of those
 credits for compliance in its National Registry may be conditional on submission
 to its Registry Administrator of a validated Article 11b (6) Compliance Report, or
 another validated report accepted by another DNA/DFP in a Member State and
 demonstrating that 7 strategic priorities set out in the World Commission on
 Dams November 200 Report "Dams and Development A New Framework for
 Decisions-Making" have been respected during development of that project. The
 validity of CERs/ERUs from such projects for use in the registries of other
 Member States is not thereby questioned.
- 9. Taking into account the desired harmonization of procedures, Member States agree to provide publicly accessible information on projects that have been approved as fulfilling the requirements of Article 11(b)(6) as well as indicating the entities accepted to carry out a validation of the Compliance Report⁴ in each Member State. This is aimed to secure transparency of the procedures and to provide current information on the implementation of this voluntary agreement.

II. Background

1. Large hydropower projects can adversely affect development in certain regions and have unwanted social and environmental impacts. On the other hand, they can also do much to promote human development in a way that is socially equitable, environmentally sustainable and economically viable. Deployment of hydroelectric power production, if undertaken in a responsible and equitable way, can significantly contribute to lowering greenhouse gas emissions. However,

adverse environmental and social effects of large hydroelectric projects could undermine the positive impacts of these projects. By adopting Article 11 b(6) of Directive 2004/101/EC, the European Union undertook to ensure that development of hydroelectric projects respect relevant international guidelines, including those contained in the World Commission on Dams November 2000 Report "Dams and Development – A New Framework for Decision-Making".

Compliance Report prepared in line with the Compliance Report Template which constitutes Annex 1 to these "Guidelines".

2. The World Commission on Dams set two objectives: 1) to review the development effectiveness of large dams and assess alternatives for water resources and energy development; and 2) to develop internationally acceptable criteria, guidelines and standards, where appropriate, for the planning, design, appraisal, construction, operation, monitoring and decommissioning of dams.

These objectives comprise, but are not limited to, the following general aspects:

- avoiding and minimising impacts on ecosystems, livelihoods, health and cultural (and religious) heritage,
- analysing needs and options on the basis of many different criteria (multi-criteria analysis),
- improving the livelihoods of people displaced and affected by projects,
- ensuring compliance with the compensatory measures,
- applying the principles of corporate environmental and social responsibility and accountability, in accordance with recital 15 of Directive 2004/101/EC.5

A harmonised approach should help ensure the sustainability and environmental integrity of the large hydropower project activities, approved by Member States.

Since the aim of the Guidelines is both, to safeguard the obligations of MS under the UNFCCC and the Kyoto Protocol AND to reflect the spirit of Article 11b(6) and relevant recitals in the preamble to the Directive 2004/101/EC.

III. Compliance with Article 11 b (6) of the Emissions Trading Directive 1. Scope

- 1. Article 11b (6) applies to all hydroelectric power production project activities with a generating capacity exceeding 20 MW regardless of whether there is a dam involved or not and regardless of the size of the dam₆.
- 2. When approving project activities, Member States have to ensure that every project involving hydroelectric power production facilities with generating capacity above 20 MW complies with Article 11b (6) during its development.
- 3. In the case of improvements and extensions to existing installations, Article 11b (6) applies only where the CDM/JI project activity which is the subject of the application includes generating capacity which exceeds 20 MW. The capacity of the existing facilities is not relevant. So in the case of improvements and extensions to existing facilities, it is the improvement or extension which must exceed 20 MW, unless the existing facility is already a CDM/JI project.
- 4. Article 11b (6) applies to hydropower project activities exceeding 20 MW which consist of two or more smaller projects that are bundled as one project according to the bundling rules of the CDM Executive Board.
- 5. Where project proponents are applying for approval of several small hydropower project activities in one PDD, which add up to a combined capacity of 20MW or more but there is no technical or environmental link between them7, Article 11b(6) should not be taken into account.

2. Demonstrating Compliance

1. Article 11b (6) refers to "relevant international criteria and guidelines, including those contained in the" WCD Report. The WCD guidelines were designed to reflect best practice on sustainability assessment. As such the WCD Report can be assumed to be a fair reflection of the "relevant international criteria and guidelines", without prejudging the possibility of considering as well other relevant criteria and guidelines in the future, if such are accepted jointly by the Member States.

⁶ Here the "Guidelines" refer to the interpretation of the scope of Article 11b (6). The Directive applies regardless of the definition of a large dam as outlined by the International Commission on Large Dams. According to some stakeholders the WCD could be applied only to projects with a dam and with a dam higher than 15m. Article 11 b (6) sets a different boundary which is defined in the above paragraph.

⁷ As defined in the Environmental Impact Assessment

- 2. Entities seeking the approval of a project by Member States should provide evidence demonstrating compliance of the project with the requirements of Article 11b (6).
- 3. To demonstrate compliance with Article 11b (6), the project proponent should submit a separate Compliance Report with the application documents to the DNA/DFP of the Member State or an entity designated by the Member State to fulfil this function.
- 4. The Compliance Report (based on documents, visits and interviews and following the outline provided in the Compliance Report Templates) may be prepared either by one of the participants in the project or by a third party on behalf of the participant (an outside consultant/expert, or a DOE).
- 5. The Compliance Report should be validated by a Designated Operational Entity (DOE) or an Accredited Independent Entity (AIE) licensed for that particular Sectoral Scope, or other qualified independent third party accepted by the Member State, hereafter referred to as "Independent Validating Entity".
- 6. The <u>final decision</u> on whether the project complies with Article 11 b (6) is taken by a Member State DNA/DFP.
- 7. "Development of a project" includes the following stages:
- · needs and options assessment,
- project preparation,

and

project implementation.

⁸ See Annex 1 to the "Guidelines".

The quality standards set out in the World Commission on Dams November 2000 Report "Dams and Development – A New Framework for Decision-Making" can only be verified at a more advanced stage of project development, once the needs and options have been assessed. So a LoA may be issued to a large hydro project as defined in Article 11b (6) at the earliest at the project preparation stage.

- 8. The compliance in the implementation phase is deemed to have been respected once mitigation and compensatory measures have been put in place and monitored and, <u>where possible</u>, once decommissioning plans have been developed.
- 9. Where a project is at the preparation or implementation stage, Member States may issue a LoA, with parallel requirements regarding monitoring of the implementation of compensatory measures and other undertakings.

3. Content of the "Article 11b (6) Compliance Report"

- 1. The Compliance Report Template establishes a standard for presenting the information required to confirm that the relevant international criteria and guidelines were respected during development of project activities. (See Annex 1)
- 2. Member States agree to accept the Compliance Report Template as the standard template for providing information necessary for demonstrating compliance with Article 11b (6).
- 3. The Compliance Report includes an undertaking by an Independent Validating Entity that, in their assessment, the project respects the seven strategic priorities, outlined in the World Commission on Dams November 2000 Report "Dams and Development— A New Framework for Decision-Making"

- 4. The complexity and level of detail of the Compliance Report should be commensurate with the scale of the project and its impacts.9
- 5. The Compliance Report is modelled on Chapter 8 of the WCD recommendations, consisting of seven strategic priorities for good practice, as explained in the introduction above.
- 6. For the purpose of validation, the project proponent should provide for the Independent Validating Entity objective evidence presented according to best auditing practice. Best practice for preparing a Compliance Report and making a legal declaration on compliance with Article 11b (6) involves:
- Interviews and public involvement: Where possible, interviews should be conducted. The key documentation (e.g., social and environmental impact assessments) should be made public/made available to the relevant stakeholders such as the project owner, the technical advisors, the relevant local authorities, and the people affected;
- Site observation: This entails studying the physical location and other activities related to the construction and management of the hydroelectric project activity as defined in Article 11b (6). Site observations should be conducted with the purpose of confirming what is proposed and approved in the design documents and what the DOEs/DFPs/ independent validating entities affirm in the compliance report based on a desk analysis.
- Document review: This is essential in order to assess documents such as:
- o the Environmental Impact Assessment,
- o any other supporting material for the information listed under section D of the PDD and approval from the relevant environment authority,
- o planning documents (e.g. feasibility studies),
- o option assessment documents 10,
- o documents concerning stakeholder consultation.
- The requirements as to the depth and extent of the report should be commensurate to the characteristics of the project in question. For example, a 20MW run-of-river- project that does not include resettlement requires much less attention than a 1000 MW dam project with a large reservoir and 5000 people resettled.

 $^{10}\,$ As specified in the Compliance Report Template

- 7. Where applicable, further documents may be requested such as compensation, resettlement, development and financing plans. If is not possible to gather all the documentation required, a site visit is necessary.
- 8. Member States may jointly assess and modify the content of the Compliance Report Template and the recommendations in these "Guidelines" from time to time to ensure the desired level of harmonisation as regards compliance with Article 11b (6).