



# Aspose.Total for .NET



CA Department of Fish and Game, Information  
Technology Branch

**Project Tracking 3.0, Lake and Streambed Alteration Agreements**

**Randall Biagi, 12/30/2009**

## Product Background / Overview

The CA Department of Fish and Game is a lead agency with statutory responsibilities for project review and comment on all construction projects statewide which may potentially alter existing lakes or streambeds, impacting habitats of species which are of concern to the Department due to their endangered status. The review process requires the generation of many documents which are legally mandated to comply with California Environmental Quality Act regulations. Historically many of these documents have been generated by copy and paste methods. Our goal was to provide a web interface for document generation which would allow the content owners to manage the boilerplate content of any given document (which can change year-to-year as statutes are changed/updated), but allow for document templates to be populated dynamically with information entered by the user and information already stored in our database.

## Requirements Scenario

One of the main requirements of this application is to have the final document be modifiable by the end user. This meant that the doc needed to be as MS Word document, as that is our department-wide word processing application. The second was that the documents needed to be server-side generated in a way that didn't rely on specific versions of MS Word. Several solutions were tested, including MS Open Office XML. The third is that the content owners needed to be able to manage their own content, as stated above in order to take the application development team out of the business of ongoing content management for the customer. Although the MS Open Office solution was viable, it did not allow ease of 3<sup>rd</sup> party content management.

## Solution Implementation

We used Aspose Words Document Builder and merge functionalities to capture fields from a web interface, combine them with fields from our database, and merge those combined fields dynamically into template documents, so that, with a few button clicks, complete documents could be created. These documents could then be automatically uploaded to our Document Library application. The completed documents can then be accessed from inside the Project Tracking 3.0 application directly, modified at will, and the application will automatically record a history of what documents were modified by who when, and update the Document Library version of the document, providing "one-stop-shopping" for document generation, modification/editing, and automatic audit trail generation.

## Benefits

Aspose Words was simple to implement programmatically, rich in functionality, and flexible enough to tweak for specific requirements scenarios, and most importantly to the development team, provides a way for content owners to manage their own content ongoing.

## Future Implementations

Future opportunities are ample with Aspose Words. We actually got the Aspose Total for .NET, and by combining Aspose Words with some of the other modules, we can generate Word Documents, create and auto-populate spreadsheets, turn Spreadsheets and Documents into PDFs, combine multiple PDFs into a single one (very important for a host of documents required for capturing applicant project plans, maps, and other documentation), and even the possibility of using the Aspose Barcode module to develop mobile applications to allow game wardens to tag evidence in the field for chain-of-custody tracking.

## Conclusion

We are extremely satisfied and excited about Aspose Words, plus the rest of the Aspose Total for .NET suite of products. The benefits afforded and development labor saved, make its cost-benefit return very high. We look forward to using it in many other applications here at the California Department of Fish and Game.

**LSA PROJECT CURRENTLY UNDER REVIEW:**

<b>LSA Notification #:</b>	1600-2009-SAC-0016	<b>Project Applicant (PA):</b>	Daniel Lim
<b>Project Name:</b>	Daniel Lim Test Project	<b>PA Phone:</b>	(916) 323-1214
<b>Date Rec'd by DFG:</b>	2/2/2009	<b>PA Email:</b>	DLIM@dfg.ca.gov

**Action History:**

Action Date	Performed By	Action Taken	Referred To
5/26/2009	Randall Biagi	Worked on a PHI-related task	
5/8/2009	Randall Biagi	Generated NOE notice for Office of Planning and Reserach	
4/9/2009	Randall Biagi	Generated Time Extension for Final LSA Agreement letter ...	
4/1/2009	Randall Biagi	Uploaded New Version of LSA Notification Cover Letter to ...	
4/1/2009	Randall Biagi	Generated LSA Notification Received letter for Project App...	

**Documents Associated with This Project:**

Link to Associated Document	Upload New Modified Document Version
<a href="#">LSA NOE Notice</a>	<input type="text"/> <input type="button" value="Browse..."/>
<a href="#">Agreement Extension</a>	<input type="text"/> <input type="button" value="Browse..."/>
<a href="#">Notification Received letter</a>	<input type="text"/> <input type="button" value="Browse..."/>
<input type="button" value="Upload Selected File"/>	

**Select desired task for this project:**

Select a document to generate:

.For a project, a document is selected to generate.

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**Action History:**

Action Date	Performed By	Action
5/26/2009	Randall Biagi	Work
5/8/2009	Randall Biagi	Gene
4/9/2009	Randall Biagi	Gene
4/1/2009	Randall Biagi	Uplo
4/1/2009	Randall Biagi	Gene

--Select--  
Notification Received Letter  
Incomplete Notification Letter  
Complete Notification Letter  
Notification Suspension Letter  
**Fee Refund Letter**  
No Agreement Needed Letter  
Draft Agreement Time Extension Letter  
Draft LSA Agreement Cover Letter  
Draft LSA Agreement Withdrawal Letter  
Op Law Letter  
DFG as CEQA Lead Letter  
DFG as CEQA Responsible Agency Letter  
NOE Final Agreement Cover Letter  
NOD Final Agreement Cover Letter  
No Stay Final Agreement Cover Letter  
Stay Final Agreement Cover Letter  
Final Agreement Time Extension Letter  
Final Agreement Transfer Letter  
Final Agreement Amendment Letter  
Notice of Exemption  
Notice of Determination--Negative Declaration  
Notice of Determination--EIR Negative Declaration  
Evaluate an LSA Notification for Aquatic Features/Generate LSA Draft Agreement  
--Select--

**Documents Associated with This Project:**

Link to Associated Document
<a href="#">LSA NOE Notice</a>
<a href="#">Agreement Extension</a>
<a href="#">Notification Received letter</a>

**Select desired task for this project:**

Select a document to generate: --Select--

Then the web interface allows certain content to be specified:

**PROJECT INFORMATION:**

<b>LSA Notification #:</b>	1600-2009-SAC-0016	<b>Project Applicant (PA):</b>	Daniel Lim
<b>Project Name:</b>	Daniel Lim Test Project	<b>PA Phone:</b>	(916) 323-1214
<b>Date Rec'd by DFG:</b>	2/2/2009	<b>PA Email:</b>	DLIM@dfg.ca.gov

Enter Refund Amount: \$

Select Refund Reason:

☐ Overpayment of fees.

☐ Your request for "long-term" agreement was not granted. The fee amount for a "regular" agreement would apply to your project.

☐ A Notification was not required because your project is not subject to the notification requirement in Fish and Game Code section 1602.

Contact and Signature Options

Specify Contact(s): --Select--

Specify Signator:

☐ Me

☐ Supervising ES

☐ Jeff Funk

Once specified, the document is generated, merging database fields, boilerplate content, and fields specified in the web interface:

**PROJECT INFORMATION:**

<b>LSA Notification #:</b>	1600-2009-SAC-0016	<b>Project Applicant (PA):</b>	Daniel Lim
<b>Project Name:</b>	Daniel Lim Test Project	<b>PA Phone:</b>	(916) 323-1214
<b>Date Rec'd by DFG:</b>	2/2/2009	<b>PA Email:</b>	DLIM@dfg.ca.gov

Enter Refund Amount: \$

☒ Overpayment of fees.

Select Refund Reason: ☐ Your request for "long-term" agreement was not granted. The fee amount for a "regular" agreement would apply to your project.  
☐ A Notification was not required because your project is not subject to the notification requirement in Fish and Game Code section 1602.

Contact and Signature Options

Specify Contact(s):

Specify Signator: ☐ Me  
☐ Supervising ES  
☒ Jeff Funk

The success message displays, then the document may be viewed.

**LSA Fee Refund letter was successfully generated for this project and uploaded to the Document Library. To download the document for viewing or editing:**

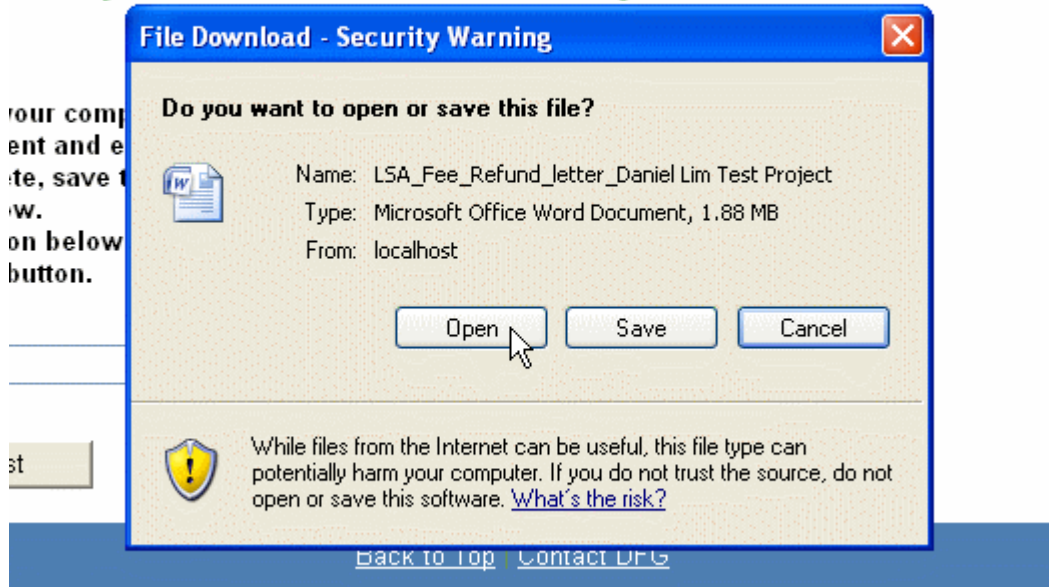
- 1) Click the link below.
- 2) Save the document to your computer.
- 3) Open the saved document and edit it.
- 4) When editing is complete, save the document to your computer.
- 5) Close the editing window.
- 6) Click the "Browse" button below, and locate and select the file.
- 7) click the "Upload File" button.

[LSA Fee Refund letter](#)

The document is downloaded from the Document Library:

.....

s successfully generated for this project and  
t Library. To download the document for viewing or



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And displayed on the user's computer. Note the inclusion of Database content, plus web interface specified content.



State of California - The Resources Agency  
**DEPARTMENT OF FISH AND GAME**  
Head Quarters, Information Technology Branch  
1807 13th Street, Suite 201  
Sacramento, CA 95811  
<<logged-in-user office phone goes here>>

ARNOLD SCHWARZENEGGER, Governor



12/30/2009

Daniel Lim  
1807 13th Street, Suite 201  
Sacramento, CA 95811

Subject: Notification of Lake or Streambed Alteration

Notification No. 1600-2009-SAG-0016

Dear Daniel Lim:

This letter is to inform you that the Department of Fish and Game will be issuing you a refund for the reason indicated below. Your check, in the amount of \$150.00, will take from four to six weeks to process and will be sent to the applicant address provided in your notification.

**Refund Reason:** Overpayment of fees.

If you have any questions regarding your refund, please contact Randall Biagi at (916) 324-6305 or [RBIAGI@dfg.ca.gov](mailto:RBIAGI@dfg.ca.gov).

Sincerely,

Jett Funk  
Chief Information Officer, Information Technology Branch

cc: Randall Biagi, Staff Information Systems Analyst

*Conserving California's Wildlife Since 1870*