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File #: 2015-854, Version: 1

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**Report to Mayor and City Council**

Tuesday, November 17, 2015

Discussion

**SUBJECT:**

**CONSIDER STATUS REPORT ON THE REGIONAL WATER QUALITY CONTROL BOARD ENVIRONMENTAL INVESTIGATION AND CARSON DECLARATION OF THE EXISTENCE OF A LOCAL EMERGENCY WITHIN THE CAROUSEL TRACT (CITY COUNCIL)**

**I. SUMMARY**

This item is on the agenda to provide updates at all regularly scheduled City Council meetings related to the environmental investigation of the Carousel Tract. The remediation project is moving into the implementation phase, and the California Regional Water Quality Control Board (Regional Board) held its first Outreach Committee meeting last month. The committee includes staff members of the Regional Board, the City, the County Supervisor's office, and residents of the community. A new schedule and descriptions of the tasks is included in the attachments (Exhibit No. 1).

**II. RECOMMENDATION**

CONSIDER and DISCUSS.

**III. ALTERNATIVES**

TAKE such other action the City Council deems appropriate that is consistent with the requirements of law.

**IV. BACKGROUND**

**History**

The California Regional Water Quality Control Board, Los Angeles (Regional Board) is the lead agency overseeing the environmental investigation and cleanup of the

Carousel Tract. The Regional Board issued a Cleanup and Abatement Order No. R4-2011-0046 (CAO) on March 11, 2011 requiring Shell Oil Products US to investigate and clean up discharges of waste in soil and groundwater at the Carousel Tract site.

### Recent Events

The activities related to the site investigation and cleanup work performed during the month of September and October 2015 includes the following:

- 1) On October 14, 2015, Regional Board completed the review of a letter titled *Modifications to Groundwater Monitoring Program* in accordance with Amended CAO and issued a response. The Regional Board approved the proposed modification of the groundwater monitoring schedule from quarterly to a semi-annual basis.
  
- 2) On October 15, 2015, the Regional Board received a document titled *Site-Wide Remediation Design and Implementation Plan (RDIP)*. The RDIP was submitted in response to the July 10, 2015 RAP approval directive. RDIP is the phase in site cleanup where the technical specifications for cleanup remedies and technologies are designed. The RDIP presents:
  - a. The framework and schedule for implementation of the selected remedy that includes tentative project schedule for RAP implementation has been developed and the work is expected to take approximately 5 years. Cleanup will begin in early 2016 and will be completed in clusters of four to ten homes at a time;
  
  - b. Permitting requirements and regulatory compliance activities such as grading permit, Permit to construct/operate the SVE system, stormwater pollution prevention plan, etc;
  
  - c. An overview of the Property-Specific Remediation Plans (PSRPs), which will be prepared for each property where remedial work will occur. The work will be conducted on groups of properties referred to as clusters (27 clusters in total). Within each cluster of up to 10 properties work will occur sequentially;  
  
The sequence of remediation activities by cluster has been established to begin construction near the topographic high point of the tract at the southern and southeast part of the tract and move to the low point in the northwest corner to best maintain control of the SVE/bioventing piping grades from high to low (generally south to north) since they must provide for gravity flow of condensate fall-out within the vapor stream.
  
  - d. The work that includes removing and replacing soil in front and back yards

and under certain hardscapes, like driveways, walkways, yard walls and patios. In some homes, installation of SVE/bioventing wells and piping, installation of sub-slab depressurization systems, as required or requested, and site restoration;

At least eight weeks prior to the relocation date, a meeting will be held with the homeowners/residents to explain the aspects of the RAP implementation that will be performed at their property, and to provide information about location options for relocation and financial assistance to facilitate relocation, including relocation or boarding of pets and assistance with transportation, if needed

- e. Property owners will be consulted particularly regarding site restoration including any necessary removal and replacement of hardscape and landscaping features to equivalent or better conditions.
- 3) On October 16, 2015, Regional Board staff completed the review of a letter Re: *Request for elimination of bucket auger pilot testing at the Site* and issued a response. Based on the review of the rationale for not using auger excavation methods for RAP implementation, the Regional Board issued a response letter acknowledging the request.
  - 4) On October 26 and 27, Shell conducted group meetings with residents from the first cluster of properties to be remediated. Regional Board staff attended the meeting.
  - 5) On October 28, 2015, Regional Board held a Carousel Cleanup Outreach Committee Meeting (Exhibit No. 2).
  - 6) On November 21, 2015, Regional Board will host an Open House to share more information about the proposed Remedial Design and Implementation Plan (RDIP), which is currently under Regional Board review.

### **Residential Sampling Activity**

Testing of property in the Carousel Tract is continuing and the latest reports are posted on the Regional Board's website at:

[http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T10000000228](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000000228)

As of March 10, 2015, the completed Residential Sampling Activity is as follows:

- 272 homes have been screened for Methane. (95%)
- 273 homes have had soils sampled and vapor probes installed. (96%)
- 273 homes have had vapor probes sampled. (95%)

- 261 homes have had indoor air sampled. (91%)
- 244 of 261 homes have had their 2<sup>nd</sup> round of indoor air sampling. (94%)
- 86% of total homes in the Carousel Community have had second round of Indoor Air conducted

### **Timeline of Activities**

A general timeline that tracks past and current activities of the Carousel Tract environmental investigation is included in the attachments (Exhibit No. 3).

For additional information regarding the Carousel community can be found at the following link:

<http://ci.carson.ca.us/departments/communitydevelopment/carouseltract.asp>.

### **V. FISCAL IMPACT**

None.

### **VI. EXHIBITS**

1. KAST Update for City of Carson dated November 9, 2015. (pgs. 5-6)
2. Regional Waterboard Meeting Summary. (pgs. 7-10)
3. Carousel Tract Environmental Investigation Timeline. (pgs. 11-19)

Prepared by: Zak Gonzalez II, Associate Planner, Planning Division

**November 9, 2015:**

**Regional Board Activities Update for the Former Kast Property Tank Farm (Carousel Tract)**

The activities related to the site investigation and cleanup work performed during the month of October 2015 include the following:

1) On October 15, 2015, the Regional Board received a document titled *Site-Wide Remediation Design and Implementation Plan* (RDIP). The RDIP was submitted in response to the July 10, 2015 RAP approval directive. RDIP is the phase in site cleanup where the technical specifications for cleanup remedies and technologies are designed. The RDIP presents:

- a. The framework and schedule for implementation of the selected remedy that includes tentative project schedule for RAP implementation has been developed and the work is expected to take approximately 5 years. Cleanup will begin in early 2016 and will be completed in clusters of four to ten homes at a time;
- b. Permitting requirements and regulatory compliance activities such as grading permit, Permit to construct/operate the SVE system, stormwater pollution prevention plan, etc;
- c. An overview of the Property-Specific Remediation Plans (PSRPs), which will be prepared for each property where remedial work will occur. The work will be conducted on groups of properties referred to as clusters (27 clusters in total). Within each cluster of up to 10 properties work will occur sequentially;

The sequence of remediation activities by cluster has been established to begin construction near the topographic high point of the tract at the southern and southeast part of the tract and move to the low point in the northwest corner to best maintain control of the SVE/bioventing piping grades from high to low (generally south to north) since they must provide for gravity flow of condensate fall-out within the vapor stream.

- d. The work that includes removing and replacing soil in front and back yards and under certain hardscapes, like driveways, walkways, yard walls and patios. In some homes, installation of SVE/bioventing wells and piping, installation of sub-slab depressurization systems, as required or requested, and site restoration;

At least eight weeks prior to the relocation date, a meeting will be held with the homeowners/residents to explain the aspects of the RAP implementation that will be performed at their property, and to provide information about location options for relocation and financial assistance to facilitate relocation, including relocation or boarding of pets and assistance with transportation, if needed

- e. Property owners will be consulted particularly regarding site restoration including any necessary removal and replacement of hardscape and landscaping features to equivalent or better conditions.

2) On October 26 and 27, Shell conducted group meetings with residents from the first cluster of properties to be remediated. Regional Board staff attended the meeting.

- 3) On November 21, 2015, Regional Board will host an Open House to share more information about the proposed Remedial Design and Implementation Plan (RDIP), which is currently under Regional Board review.
- 4) On October 14, 2015, Regional Board completed the review of a letter titled *Modifications to Groundwater Monitoring Program* in accordance with Amended CAO and issued a response. The Regional Board approved the proposed modification of the groundwater monitoring schedule from quarterly to a semi-annual basis.
- 5) On October 16, 2015, Regional Board staff completed the review of a letter Re: *Request for elimination of bucket auger pilot testing at the Site* and issued a response. Based on the review of the rationale for not using auger excavation methods for RAP implementation, the Regional Board issued a response letter acknowledging the request.

**LA Regional Water Quality Control Board  
 Carousel Cleanup Outreach Committee Meeting  
 Meeting Summary for  
 Wednesday, October 28, 2015  
 6:00 pm – 8:00 pm**

**Desired Results:**

- Walk away with a shared understanding of the purpose, roles and responsibilities of the Outreach Committee and its members.
- Identify committee member recruitment process.
- Define cleanup outreach and engagement strategies.

Agenda Item	Summary
<b>I. Welcome and Agenda Review</b>	<p><b>1. Welcome:</b> Paula provided the welcome and general overview. She thanked everyone for agreeing to participate in the newly-created Carousel Cleanup Outreach Committee and shared that the purpose of this meeting is to launch the committee and to ensure all members walk away with a good understanding about the committee’s purpose and member roles. Paula also shared that the <b>Regional Board will chair this committee</b> but will have the support of an external facilitator to move the process and meeting along.</p> <p><b>2. Members introduced themselves and the group reviewed the desired results and agenda.</b></p> <p><b>3. Members reviewed a set of group agreements to guide each of the meetings, including:</b></p> <ul style="list-style-type: none"> <li>✓ Maintain a speaking order</li> <li>✓ Suspend judgment</li> <li>✓ Everyone participates</li> <li>✓ One person speaks at a time.</li> <li>✓ Respect</li> <li>✓ No retaliation for speaking honestly</li> </ul>
<b>II. Purpose, Roles &amp; Responsibilities</b>	<p><b><u>A. Context:</u></b></p> <p>Members spent time reviewing the Committee, “Welcome” packet which describes the Committee’s purpose, and member roles and responsibilities.</p> <p>Members raised the following questions:</p> <p>Q1: Are we going to discuss technical or non-technical issues?        A: Members can bring any issues they are hearing from the community without having to worry if they are “technical” or “non-technical”. If the issues are technical, the committee will ensure that they will be addressed appropriately.</p> <p>Q2: Where will we be meeting and when will meetings be scheduled?        A. Members agreed that the <b>next meeting will be held on December 9<sup>th</sup> from 6-8</b></p>

	<p><b>pm</b> in the same venue (City Hall).</p> <p>Q3: Will Committee members be responsible for distributing Regional Board materials such as the work orders?  A. Committee members will not have to distribute work orders or any other Regional Board materials, that is the charge of the Regional Board.</p> <p>Q4: How will we ensure that we are telling the same story? Carousel has a number of communications challenges and how will we ensure that we are communicating the same things to people?  A. Next meeting will be dedicated to addressing this question. It will be helpful to debrief some of the activities and events occurring between now and December 9<sup>th</sup> to determine what worked well and what improvements need to be made so that all members of the committee are speaking with one voice.</p> <p>Q5: Who will write up questions from residents?  A. TBD</p>
<p><b>III. Member Recruitment Strategies</b></p>	<p><b>A. Context</b>  The membership for this committee consists of up to eight Carousel Community residents. Three slots still remain on the committee. Members brainstormed strategies to recruit other Carousel residents to serve on this committee. The RB team will review the suggested strategies and provide follow-up.</p> <p>Suggested strategies included:</p> <ul style="list-style-type: none"> <li>• Committee member Barbara Post may have some suggestions.</li> <li>• Committee members can identify folks during the neighborhood meeting on the 7<sup>th</sup>, the Open House on the 21st, and other events.</li> <li>• The outreach documents inviting residents to participate needs to clarify the expectations/role for members – some might think that they are being asked to do door-to-door outreach and that might be a turn-off.</li> <li>• A meeting summary/Update can be sent out to all residents with an invitation to blocks still unrepresented to invite residents to participate.</li> <li>• Provide committee member names/contact information in the update/outreach materials that go out so that interested individuals can call committee members personally to learn more about the committee.</li> <li>• Committee members need to recruit residents on an on-going basis.</li> <li>• Committee might want to explore staggering participation to ensure consistent membership.</li> </ul>
<p><b>IV. Outreach &amp; Engagement Strategies</b></p>	<p>A. Members spent time brainstorming three topics:</p> <ol style="list-style-type: none"> <li>1. Review the Update and discuss outreach to residents and other stakeholders.</li> <li>2. Brainstorm strategies for gaining 100% participation by homeowners in the cleanup effort.</li> <li>3. Share information about the RDIP.</li> </ol> <p><u>1. RB Update and Work Orders</u>  A. The RB designed and mails an Update on a periodic basis to all Carousel residents and interested parties to provide critical information about the cleanup effort. The Updates</p>



provide a timeline, background information, and either key dates or terms Members reviewed examples of the Updates and provided the following feedback:

- Need to design something that stands out a bit more – currently it's on a "white" background which doesn't stand out enough and the color of the title needs to stand out more, perhaps with red font.
- Rename the Update as a Newsletter given the length and amount of information.
- There's too much information in the newsletter, it needs to be even simpler.
- The timeline in the Update is good.
- The glossary is still too technical, need to continue simplifying the terms.

*Work Order*

- Need to emphasize key information like dates and location and make the title stand out more.

Members also discussed how frequently these are needed to engage community residents if there is no "new" news to share.

Members brainstormed the following suggestions:

- Ideally, there is communication with residents at least once a month so that community residents don't feel anxious about the lack of consistent communication.
- The layout for communication tools needs to be consistent so that residents can easily distinguish/associate the purpose of each document.
- Need to include a pitch for the committee.
- If sending something out monthly, and there is no "new" news, then the Newsletter/Update can simply say that there is no new information.
- The reality is that given the next steps in the cleanup effort, it is likely that there will be something to report each month.

B. Members brainstormed how each of them will conduct outreach to communicate key information about the cleanup and identified the following:

- Each "block" is different so block representatives and the committee will need to use different approaches depending on the "block".
- As a follow-up to the work notices, it would be helpful to make calls that are capable of leaving brief messages.
- Door-to-door could be a strategy depending on the block.
- Mailing out meeting summaries to all residents.
- Put questions asked by residents, committee members, etc. in FAQ documents that go out to residents.
- Hosting events in homes.
- Need a centralized place to put information online that is easy to use.
- Need to distribute paper forms because not all residents have computers or email.
- Shell will set up an office in one of the homes in the community that will be staffed and will have paper copies of all the reports. The home can also be used to host meetings if necessary.
- **All members agreed that they are comfortable sharing their contact information**

with the larger community.

- All members also agreed that they are comfortable with an announcement about your participation in this committee in an Update/Newsletter.

## 2. 100% Participation

Members worked together to identify strategies to engage those homeowners who are a bit hesitant to provide access to the cleanup crew. The implication is that their hesitation may delay the overall cleanup effort both in the short-term as well as the long-term timeline.

Members suggested the following strategies to address this challenge.

- Need to determine if the properties are empty, renters, homeowners, or unrepresented.
- Need to share addresses with committee members, particularly resident members, and ask if the representative for the block can reach out to reluctant homeowners.
- Need to be delicate and considerate about how these residents are engaged. It is important to spend time with these homeowners and delicately ask why they are reluctant to allow access. Need to reinforce that this is not their fault and that the cleanup crew understands the inconvenience this is causing to homeowners.
- Need to identify a "special person" who can really engage and listen to these homeowners.
- Some residents are sharing that they will not allow access in the future. It will be important for this committee to maintain engagement strategies and "listen" to residents so that the list can go down over time. This will be accomplished if residents have a positive experience with the cleanup effort and come out of each stage feeling like "satisfied customers".

## 3. Remediation Design Implementation Plan (RDIP)

Thizar provided a general overview on the RDIP and shared that there will be an Open House to explain the RDIP and meet one-on-one with residents to address their individual questions. The Open House will be held on November 21<sup>st</sup>. Residents will be invited to attend one of three time slots organized according to a set of blocks.

Committee members were asked to support outreach to their fellow residents to encourage them to attend the Open House.

## Carousel Tract Environmental Investigation Timeline

Date	Significant Actions/Reports	Notes
March 11, 2008	DTSC informed LARWQCB about former Shell Oil Company Tank Farm	
May 2008	LAWRQCB initiated an environmental investigation	
December 2008	LAWRQCB approved proposed work plan submitted by Shell to investigate contaminants of concern	
December 31, 2008	LARWQCB issued California Water Code § 13267 Investigative Order	
October 15, 2009	Shell submitted Final Phase I Site Characterization Report	
March 2011	LARWQCB issued Cleanup and Abatement Order No. R4-201100046	
February 22, 2013	Shell submitted <i>Site-Specific Cleanup Goal Report</i>	
May 2013	LAWRQCB issued a fact sheet providing information and advising of comment period for <i>Site-Specific Cleanup Goal Report</i>	30-day comment period ending June 24, 2013
June 24, 2013	City submitted comments to <i>Site-Specific Cleanup Goal Report</i>	Forwarded reports by Everett & Associates and Soil/Water/Air Protection Enterprise
July 18, 2013	City Council conducted workshop to allow presentation by Mr. Sam Unger, Executive Director of LARWQCB	Presentation by Dr. Lorene Everett and James T. Wells PhD raising concerns related to environmental conditions
July 29, 2013	City Council adopted Resolution No. 13-081 declaring the existence of an emergency in the Carousel Tract	
July 30, 2013	Letters sent to the Governor, Attorney General, Los Angeles County Board of Supervisors and Mr. Unger	Requested immediate assistance due to emergency conditions in Carousel Tract
July 31, 2013	City staff, Mr. Bob Bowcock, Dr. Everett and Mr. Wells met with representatives of Los Angeles County Fire Department and Los Angeles County Department of Public Health	City Council declaration of emergency conditions discussed and copies of Everett & Associates reports transmitted for review

## Carousel Tract Environmental Investigation Timeline

Date	Significant Actions/Reports	Notes
August 21, 2013	LARWQCB sent detailed letter to Shell denying proposed site-specific cleanup goals and requiring revisions to be submitted by October 21, 2013	LARWQCB incorporated OEHHA Memorandum dated July 22, 2013 and UCLA Expert Panel Interim Report dated July 24, 2013
September 11, 2013	City letter to Mr. Sam Unger	Expressing appreciation from City Council and community for response to <i>Site-Specific Cleanup Goal Report</i>
September 24, 2013	LARWQCB community open house CEQA scoping meeting	Request for input from community and public agencies related to evaluation of environmental impacts; comment period ends on October 8, 2013
September 30 – October 10, 2013	LARWQCB Public Participation Specialist to conduct office hours at Carson City Hall	Opportunity for LARWQCB to meet with residents and community stakeholders
October 8, 2013	CEQA scoping comments due to LARWQCB from September 9 through October 8, 2013	Comment letters sent by City of Carson and Bob Bowcock/Barbara Post
October 10, 2013	City staff arranging for a meeting with LARWQCB, LACoFD, Los Angeles County Department of Public Health, OEHHA, Mr. Bowcock, Dr. Everett and Mr. Wells PhD	Review of technical reports and discussion of public agencies responses and actions
October 21, 2013	Shell submitted a <i>Revised Site-Specific Cleanup Goal Report</i> to LARWQCB	Shell proposed to evaluate options that provide excavation in specific areas and does not include any further evaluation associated with the removal of homes
October 24, 2013	Los Angeles County Department of Public Health Letter to City of Carson	Letter states there is not an immediate health threat from site conditions

## Carousel Tract Environmental Investigation Timeline

Date	Significant Actions/Reports	Notes
October 30, 2013	LARWQCB letter to Shell for review of <i>Community Outdoor Air Sampling and Analysis Report</i>	Based on statistical tests, LARWQCB concludes that outdoor air concentrations do not differ between the site and surrounding area. Shell is required to address OEHHA comments and to develop a work plan for an additional soil-vapor survey by November 29, 2013. LARWQCB determined on January 13, 2014 that no further evaluation required
October 31, 2013	LARWQCB notice on <i>Proposed Draft Revised Cleanup and Abatement Order No. R4-2011-0046</i>	The proposed draft order names Dole Food Company, Inc. as an additional responsible party. Comments and evidence must be submitted by 12:00 p.m. on December 6, 2013. Dole Food Company has requested an extension to January 2014 to provide comments. LARWQCB approved extension to January 13, 2014. On January 7, 2014, Regional Board approved extension to January 21, 2014
November 12, 2013	Letter to Carousel Tract Owners and Occupants advising of November 19, 2013 City Council Workshop	
November 19, 2013	City Council conducted workshop with Los Angeles County Department of Public Health and Los Angeles County Fire Department	
January 8, 2014	LARWQCB response to <i>Assessment of Environmental Impact and Feasibility of Removal of Residual Concrete Reservoir Slabs</i>	Directs Shell to either remove the residential concrete slabs as appropriate or isolate the residual concrete slabs beneath the foundation of the homes and paved areas using engineering techniques to the extent necessary to address long term health risks or nuisance concerns

## Carousel Tract Environmental Investigation Timeline

Date	Significant Actions/Reports	Notes
January 13, 2014	LARWQCB response to <i>Revised Community Outdoor Air Sampling and Analysis Report</i>	LARWQCB concludes that outdoor air concentrations do not differ between the site and surrounding area. No further evaluation required
January 21, 2014	Dole response to <i>Proposed Draft Revised Cleanup and Abatement Order No. R4-2011-0046</i>	Dole requested to not be included in the Draft Order since their subsidiary, Barclay Hollander Corporation, did not discharge any of the contaminants of concern
January 23, 2014	Community meeting organized by Congresswoman Hahn	Meeting to hear from residents and discuss options for obtaining improved levels of response from the Regional Board
January 23, 2014	LARWQCB response to <i>Revised Site-Specific Cleanup Goal Report</i>	LARWQCB identified deficiencies in the Shell Revised Report and directed a remedial action plan, Human Health Risk Assessment and other environmental documents be submitted by March 10, 2014
February 10, 2014	LARWQCB clarification and revision to their January 8, 2014 letter (effective date of January 13, 2014) regarding the Residential Concrete Slab Report	LARWQCB removed reference to regulations for underground storage tanks
February 23, 2014	Shell submitted a Petition for Review and Request for Hearing to the State Water Resources Control Board in the matter of Cleanup and Abatement Order R4-2011-0046 (CAO)	The State Water Resources Control Board has not responded to Shell's petition
March 10, 2014	Shell submitted Remedial Action Plan (RAP), Human Health Risk Assessment (HHRA), and draft environmental documents to LARWQCB	LARWQCB set a tentative period of 30 day to review the documents and provide opportunity for public viewing
March 19, 2014	LARWQCB filed Notice of Preparation (NOP)	Preparation of a draft Environmental Impact Report in accordance to the California Environmental Quality Act (CEQA)
March 25, 2014	LARWQCB and PCR Service Corporation met with City's staff	As part of the draft Environmental Impact Report, staff discussed transportation, noise, and odor concerns with LARWQCB and PCR

## Carousel Tract Environmental Investigation Timeline

April 18, 2014	LARWQCB received comments from LAUSD regarding the NOP	LARWQCB is reviewing LAUSD comments and will provide response
April 30, 2014	LARWQCB responded to Shell's RAP, FS, and HHRA	LARWQCB rejected Shell's proposed cleanup plan and revised RAP to be submitted by Shell by June 16, 2014 by 5 p.m.
April 30, 2014	LARWQCB issued notice of violation (NOV) to Shell for failure to submit a RAP based on approved site-specific cleanup goals	LARWQCB directed Shell to comply by June 16, 2014
May 23, 2014	LARWQCB met with Shell regarding the RAP	LARWQCB discussed deficiencies and revisions with Shell
June 3, 2014	LARWQCB issued notice of opportunity for additional public comment	The deadline to submit public comments is 5 p.m. on June 16, 2014
June 4, 2014	LARWQCB granted Shell a two-week extension to submit the revised RAP, FS, and HHRA	The revised documents are due on June 30, 2014
June 16, 2014	Shell submitted additional comments regarding the Proposed Revised Draft Cleanup and Abatement Order No. RB4-2011-0046	The Regional Board is reviewing Shell's comments
June 30, 2014	Shell submitted the revised RAP, FS, and HHRA to the Regional Board	The Regional Board is reviewing the revised documents
July 7, 2014	The City of Carson sent a letter notifying the Carousel Tract residents of the availability of the RAP, FS, and HHRA via the Regional Board	The documents are part of the draft EIR process

## Carousel Tract Environmental Investigation Timeline

	website	
July 22, 2014	The Regional Board is reviewing the RAP, FS, HHRA and preparing the draft EIR. Testing of property in the Carousel Tract is ongoing	Testing result and the Regional Board latest activities are available at: <a href="http://geotracker.waterboards.ca.gov/">http://geotracker.waterboards.ca.gov/</a>
August 25, 2014	The Regional Board is reviewing the RAP, FS, HHRA and preparing the draft EIR.	No new dates set for meeting with the Carousel Tract residents
August 27, 2014	The Regional Board released August 2014 community update for the Carousel Tract	Tentative release of proposed RAP and Draft EIR in mid October 2014
September 19, 2014	Shell submitted the RAP Relocation Plan to the Regional Board	Tentative release of proposed RAP and Draft EIR at end of October 2014, and meeting with the Carousel Tract resident is projected to begin on November 2014
October 8, 2014	The Regional Board continues preparation of Draft EIR and review of the RAP	The Regional Board required the RAP addendums to be submitted by Shell on October 20, 2014. Meeting with the Carousel Tract residents is projected to occur in the middle of November 2014
October 15, 2014	The Regional Board scheduled community meetings	The Regional Board mailed invitations of community meetings to the Carousel Tract residents
October 15, 2014	Shell submitted addendums to the RAP, FS, and HHRA	The documents are posted on the Regional Board website
November 5, 2014	The Regional Board released the draft EIR proposed RAP for public review and comment	The draft EIR, proposed RAP and support documents are available at the Carson Library, the Los Angeles Regional Board Office and website



## Carousel Tract Environmental Investigation Timeline

November 12,15,18,20, 2014	The Regional Board held community group meetings with Carousel Tract residents	The discussion was centered on the draft EIR and proposed RAP
November 22, 2014	The Regional Board hosted a public meeting at the Carson Community Center	The discussion centered on the draft EIR and proposed RAP
December 3, 2014	City of Carson Environmental Commission received the draft EIR and proposed RAP for review	City staff will submit the Commission's comments to the Regional Board
December 8, 2014	The Regional Board notified Dole Food Company Inc. (Dole) of its intention to revise the Cleanup and Abatement Order No. R4-2011-0046 CAO)	Barclay Hollander Corporation (Barclay), a wholly-owned subsidiary of Dole, to be named as responsible parties to the Carousel Tract contamination
December 24, 2014	Barclay sent a written request to the Regional Board	Barclay submitted additional written evidence, and schedule a formal evidentiary hearing with the Regional Board
January 6, 2015	Barclay sent a follow up letter to its December 24, 2014 Letter to the Regional Board	Barclay submitted additional documentary evidence to the Regional Board
January 6, 2015	Shell sent a letter to the Regional Board	Shell is opposed to Barclay's requests to submit additional evidence and for a formal evidentiary hearing
January 7, 2015	Integrated Resource Management, Inc. (IRM) responded to Barclay's December 24, 2014 Letter	IRM requested appropriate notice and opportunity to be heard for Carousel Tract residents. IRM also commented on the substance of the revised CAO and attached documentary evidence
January 9, 2015	The Regional Board sent an electronic letter to all interest parties	The Regional Board will consider additional comments on pending procedural request by 5 p.m., January 16, 2015

## Carousel Tract Environmental Investigation Timeline

January 15, 2015	Site Cleanup Program Staff (SCP Staff) of the regional Board sent a response letter objecting inclusion of additional evidence into the record as requested by Barclay Hollander Corporation (Barclay)	SPC Staff is requesting opportunity to respond if a hearing for additional evidence is granted by the Chief Deputy Executive Officer of the Regional Board
January 16, 2015	Barclay sent a letter to the Regional Board	Barclay clarified its scope to submit additional evidence, seek clarification from the Regional Board, and request timing of evidential hearing.
February 20, 2015	The Regional Board released a "Notification of Work" to the public	Land (public streets) and aerial photographic survey activities are tentatively scheduled from March 2, 2015 to March 20, 2015 for the Carousel Tract and surrounding area
February 27, 2015	The Regional Board replied to parties and interested persons	The Regional Board accepted Mr. George Bach deposition dated November 19, 2014 into administrative record
March 11, 2015	The SCP Staff provided explanations to assumptions and copies of graphic results	The explanation addressed the three assumptions in memo dated March 20, 2014 from Dr. C.P. Lai to SCP Staff
April 2, 2015	SCP Staff, Barclay, and Shell submitted comments to the Regional Board regarding the revised CAO	Barclay is requesting inclusion of Mr. George Bach deposition dated November 19, 2014 into administrative record. SCP Staff and Shell opposed its inclusion
April 17, 2015	The Regional Board sent letter to all parties and interested persons	Informing all parties and interest persons of the separation of functions between the Advising Team and SCP Staff. The Regional Board intends to issued final action regarding Tentative Revised CAO on or after April 24, 2015
April 22, 2015	Barclay sent a letter to the Regional Board	Barclay is requesting delay of final action regarding the Tentative Revised CAO until depositions of the SCP Staff are completed

## Carousel Tract Environmental Investigation Timeline

April 30, 2015	Regional Board sent a letter to Dole and Barclay aka (BHC)	The Regional Board issued the Revised CAO adding Dole and Barclay as responsible parties
May 21, 2015	Barclay sent a letter to the Regional Board	Barclay requests stay and reconsideration of the Revised CAO
June 1, 2015	The Regional Board reported that Barclay filed a petition with State Water Board	Barclay is requesting the State Water Board to Review, petition for stay, and petition to submit supplemental evidence and to conduct a hearing
June 22, 2015	The Regional Board provided a copy of Barclay petition to the State Water Board	The Regional Board and Shell are proceeding with their work in the Carousel Tract regardless of the outcome of Barclay's petition