

Propellants North Administration Facility

Recycled Waste:

475 tons of concrete

163 pounds of bottles & cans

2.16 tons of cardboard

164 pounds of white paper

2.3 tons of wood

May 2010

NASA

1
00:00:09,379 --> 00:00:04,309
seven six five three engines up and

2
00:00:11,630 --> 00:00:09,389
burning and liftoff of space shuttle

3
00:00:14,930 --> 00:00:11,640
Discovery

4
00:00:17,240 --> 00:00:14,940
I mean alligators rocket ships and trips

5
00:00:19,490 --> 00:00:17,250
out of this world NASA's greenness

6
00:00:23,180 --> 00:00:19,500
facility is taking root in rich history

7
00:00:25,460 --> 00:00:23,190
Kennedy Space Center in Florida from the

8
00:00:27,470 --> 00:00:25,470
plot of land it sits on to the crush

9
00:00:30,170 --> 00:00:27,480
crawl away rocks that will be used for

10
00:00:32,179 --> 00:00:30,180
landscaping and the iconic fire room

11
00:00:34,030 --> 00:00:32,189
window glazing and framing that will

12
00:00:37,220 --> 00:00:34,040
hold up new energy-efficient windows

13
00:00:39,500 --> 00:00:37,230

it's all about reusing what's old to

14

00:00:41,420 --> 00:00:39,510

make a new and feather building we see

15

00:00:43,880 --> 00:00:41,430

look behind me this building is the best

16

00:00:45,590 --> 00:00:43,890

of the best for NASA the new propellants

17

00:00:47,660 --> 00:00:45,600

North administrative and maintenance

18

00:00:50,180 --> 00:00:47,670

facility will be a future hub for

19

00:00:52,369 --> 00:00:50,190

spacecraft fueling support and a storage

20

00:00:54,790 --> 00:00:52,379

facility for cryogenic fuel transfer

21

00:00:56,840 --> 00:00:54,800

equipment it will be a first of his kind

22

00:00:58,790 --> 00:00:56,850

energy-efficient building for the agency

23

00:01:00,950 --> 00:00:58,800

the building is designed to be a

24

00:01:03,470 --> 00:01:00,960

fifty-two percent more efficient than a

25

00:01:05,860 --> 00:01:03,480

traditional commercial building and to

26
00:01:09,340 --> 00:01:05,870
do that we looked at very specific

27
00:01:14,000 --> 00:01:09,350
lighting fixtures design strategies

28
00:01:16,640 --> 00:01:14,010
photovoltaic panels and we left no stone

29
00:01:19,100 --> 00:01:16,650
untuned in that process there will be a

30
00:01:21,319 --> 00:01:19,110
nearly net zero energy and water use

31
00:01:24,350 --> 00:01:21,329
facility and that's not the only thing

32
00:01:26,660 --> 00:01:24,360
that makes it special and unique when

33
00:01:29,499 --> 00:01:26,670
complete the facility will stand as an

34
00:01:32,539 --> 00:01:29,509
icon representing gases past and future

35
00:01:34,100 --> 00:01:32,549
that's because elements and materials

36
00:01:36,380 --> 00:01:34,110
from around the space center are being

37
00:01:40,730 --> 00:01:36,390
repurposed and recycled to make the

38
00:01:45,679 --> 00:01:43,340

every shuttle passed through the crawl

39

00:01:46,940 --> 00:01:45,689

away every every launch has been viewed

40

00:01:48,649 --> 00:01:46,950

through those windows we just thought it

41

00:01:51,139 --> 00:01:48,659

was a shame to waste so you're actually

42

00:01:52,969 --> 00:01:51,149

using it set at the same orientation and

43

00:01:55,850 --> 00:01:52,979

angle as it was in the launch control

44

00:01:58,190 --> 00:01:55,860

center looking out towards Launchpad ad

45

00:02:01,070 --> 00:01:58,200

that reuse approach comes from the

46

00:02:03,169 --> 00:02:01,080

facility's main goal to achieve the US

47

00:02:05,200 --> 00:02:03,179

Green Building Council leadership in

48

00:02:09,139 --> 00:02:05,210

environmental and energy Design or LEED

49

00:02:10,910 --> 00:02:09,149

Platinum status Platinum is the highest

50

00:02:14,020 --> 00:02:10,920

rating a green building can achieve

51
00:02:17,000 --> 00:02:14,030
there are only 267 in the United States

52
00:02:19,370 --> 00:02:17,010
only one other in Florida and this will

53
00:02:20,990 --> 00:02:19,380
be the first for the space agency it's

54
00:02:22,880 --> 00:02:21,000
not just the finished product that will

55
00:02:24,860 --> 00:02:22,890
glisten a shade of green when it opens

56
00:02:27,559 --> 00:02:24,870
for business plans for december two

57
00:02:29,300 --> 00:02:27,569
thousand ten since august two thousand

58
00:02:30,979 --> 00:02:29,310
nine the construction team has been

59
00:02:34,070 --> 00:02:30,989
working to keep the construction site

60
00:02:36,830 --> 00:02:34,080
just as eco-friendly we try to recycle

61
00:02:42,350 --> 00:02:36,840
everything on site that we possibly can

62
00:02:45,710 --> 00:02:42,360
to date 475 tons of concrete 163 pounds

63
00:02:49,160 --> 00:02:45,720

of crush bottles at aluminum cans 2.16

64

00:02:53,479 --> 00:02:49,170

tons of cardboard 164 pounds of white

65

00:02:55,370 --> 00:02:53,489

paper 2.3 tons of wood and 3.5 tons of

66

00:02:57,650 --> 00:02:55,380

steel have been recycled from the

67

00:02:59,539 --> 00:02:57,660

construction site and these numbers will

68

00:03:00,800 --> 00:02:59,549

just increase until the project is

69

00:03:02,720 --> 00:03:00,810

completed

70

00:03:05,570 --> 00:03:02,730

the construction team is dedicated to

71

00:03:07,309 --> 00:03:05,580

recycling every bet they can dumpster

72

00:03:09,380 --> 00:03:07,319

diving has almost turned into a labor of

73

00:03:10,670 --> 00:03:09,390

love so it's really amazing when I show

74

00:03:12,530 --> 00:03:10,680

from the site i can see someone going

75

00:03:14,330 --> 00:03:12,540

through the doser try to segregate the

76
00:03:15,800 --> 00:03:14,340
waste to even a higher level on the

77
00:03:17,900 --> 00:03:15,810
world around nineteen ninety-five

78
00:03:19,400 --> 00:03:17,910
percent waste that's generated on the

79
00:03:21,830 --> 00:03:19,410
site actually gets reused or convert it

80
00:03:23,540 --> 00:03:21,840
to some other process so right there

81
00:03:24,860 --> 00:03:23,550
with its high performance so have

82
00:03:26,600 --> 00:03:24,870
something going and pulling out bottles

83
00:03:28,940 --> 00:03:26,610
and cans out of the closer so we can

84
00:03:34,070 --> 00:03:28,950
recycle an extra can really just shows

85
00:03:36,530 --> 00:03:34,080
you the dedication 13 items that would

86
00:03:38,300 --> 00:03:36,540
normally go into a landfill also are

87
00:03:40,880 --> 00:03:38,310
being used for Kennedy's protected

88
00:03:43,729 --> 00:03:40,890

wildlife that even if Phil fencing after

89

00:03:45,259 --> 00:03:43,739

the project's done we have were we have

90

00:03:48,050 --> 00:03:45,269

our girls that will come over and then

91

00:03:50,479 --> 00:03:48,060

they remove the silt fence and use it

92

00:03:52,370 --> 00:03:50,489

for protection of burrows and steaks for

93

00:03:55,100 --> 00:03:52,380

burrows for the gopher tortoises later

94

00:03:57,050 --> 00:03:55,110

on so the team agrees this

95

00:03:58,880 --> 00:03:57,060

environmentally friendly facility is

96

00:04:01,280 --> 00:03:58,890

just the beginning for the Space Center

97

00:04:02,570 --> 00:04:01,290

and the agency when you drive around the

98

00:04:03,920 --> 00:04:02,580

Space Center up you're not going to see

99

00:04:05,840 --> 00:04:03,930

this kind of architecture this kind of

100

00:04:07,370 --> 00:04:05,850

efficiency this kind of design on any

101

00:04:19,970 --> 00:04:07,380

other building that we've done and I